

XSUNX INC  
Form 424B3  
April 17, 2008

**Filed Pursuant to Rule 424(b)(3)**  
**Registration No. 333-148762**

**XSUNX, INC.**

**48,650,000 Shares Of Common Stock**

This Prospectus relates to the sale of up to 48,650,000 shares of our common stock of which (i) 40,000,000 shares may be sold by Fusion Capital Fund II, LLC and (ii) 8,650,000 shares may be sold by Cumorah Capital, Inc. Fusion Capital and Cumorah Capital are sometimes referred to in this Prospectus as the selling stockholders. The prices at which the selling stockholders may sell the shares will be determined by the prevailing market price for the shares or in negotiated transactions. We will not receive proceeds from the sale of our shares by Fusion Capital or Cumorah Capital.

Our common stock is registered under Section 12(g) of the Securities Exchange Act of 1934, as amended and quoted on the Over-the-Counter Bulletin Board under the symbol "XSNX". On April 14, 2008, the last reported sale price for our common stock as reported on the Over-the-Counter Bulletin Board was \$0.44 per share.

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**Investing in our common stock involves certain risks. See "Risk Factors" beginning on page 6 for a discussion of these risks.**

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Fusion Capital is an "underwriter" within the meaning of the Securities Act of 1933, as amended. Cumorah Capital may be deemed to be an "underwriter" within the meaning of the Securities Act of 1933, as amended.

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**Neither the U.S. Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this Prospectus is truthful or complete. Any representation to the contrary is a criminal offense.**

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The date of this Prospectus is April 16, 2008.

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## PROSPECTUS SUMMARY

### Business

We are a Colorado corporation. Our principal executive offices are located at 65 Enterprise, Aliso Viejo, California 92656. Our telephone number is (949) 330-8060. The address of our website is [www.xsunx.com](http://www.xsunx.com). Information on our website is not part of this Prospectus.

XsunX is a development stage company with no significant sources of revenue to date. We are a thin-film photovoltaic ("TFPV") company that intends to grow its business by manufacturing TFPV amorphous solar modules and selling them into what we believe is a high growth solar market opportunity. Our decision to pursue this strategy is based on our three years of research in the design and use of technologies for the manufacture of TFPV solar cells utilizing amorphous silicon. During this time we have developed the technical capabilities, qualified core staff, and market understanding that we believe will be necessary to establish product manufacturing infrastructure and take our product to market.

We have designed a TFPV solar module which we believe will deliver an average of 125 peak watts. To produce solar modules in commercial quantities we intend to process glass substrates within a proprietary semiconductor manufacturing system which employs the design of a high-throughput, automated, continuous process. We believe that the design of our TFPV module and manufacturing system can deliver per watt costs significantly less than those of traditional crystalline silicon solar module manufacturers, and allow us to market TFPV modules that will be highly competitive with other thin film offerings.

Currently, we do not have a manufacturing facility. Our plan for growth is to build and operate a TFPV solar module manufacturing facility in the state of Oregon. Employing a phased roll-out of manufacturing capacities, we anticipate completing the assembly and installation of a small scale production research and development system and initiating construction of our first full scale 25 MW system in 2008. Barring assembly delays, we anticipate completing the assembly of and commissioning our first 25MW line between December 2008 and February 2009. Near the end of the 2008 calendar year, we plan to launch the build-out of the first of three additional 25 MW systems necessary to eventually bring our capacity to 100 MW by early 2010.

On April 1, 2008, the Company signed a sub-lease ("Lease Agreement") for approximately Ninety Thousand (90,000) square feet of manufacturing facilities located at 23365 NE Halsey Street, Wood Village, Oregon, U.S.A. The purpose of the Lease Agreement was to establish facilities necessary for the installation and operation of the Company's planned thin film solar module manufacturing operations. The Lease Agreement requires that the Company post a security deposit letter of credit in the amount of \$106,000 and a letter of credit in an amount to be determined for 125% of the value for the removal of any improvements performed to the structure by the Company.

Under the terms of Lease Agreement, and conditions precedent to the commencement of the lease, the parties will work together to finalize a scope of work for the removal of certain current building improvements and negotiate for the purchase by the Company of certain industrial equipment by the 25th of April, 2008, submit the sublease agreement to the master landlord for sublet approval for which master landlord has fifteen (15) days to respond and sub-landlord, from whom the Company will be leasing the premises, is required to provide an environmental site assessment report to the Company by May 15, 2008 to determine whether any environmental hazards are present requiring abatement. In the event that environmental hazards are found, or if in the opinion of the Company that such hazards render the premises unsuitable for use, the Company may terminate the Lease Agreement without obligation. There can be no assurance that the above conditions precedent to the commencement of the lease will be completed to the satisfaction of the parties.

The Lease Agreement provides for the sub-landlord to complete demolition of demising walls, fixtures, floor coverings, and general removal of mutually agreed to items by July 30, 2008. During this time, the Company will be allowed access to the premises to initiate preparation efforts for its manufacturing systems. Completion of sub-landlord work and the commencement date of the lease are scheduled for on or before July 31, 2008. The term of the Lease Agreement with the sub-landlord provides for occupancy through July 31, 2011. Thereafter, should the Company elect to continue to occupy the premises, the Company will be required to have established continued lease arrangements with the master landlord. Specific term and lease payment schedule is as follows:

| <b>Each Month During The Time Period:</b> | <b>Monthly Basic Rent Payable With Respect To Each Month During The Subject Time Period:</b> |
|-------------------------------------------|----------------------------------------------------------------------------------------------|
| Commencement Date to July 31, 2009        | \$53,000.00                                                                                  |
| August 1, 2009 to July 31, 2010           | \$54,060.00                                                                                  |
| August 1, 2010 to July 31, 2011           | \$55,141.20                                                                                  |

### **The Offering**

On November 1, 2007, we entered into a Purchase Agreement with Fusion Capital, an Illinois limited liability company. Under the Purchase Agreement, Fusion Capital is obligated, under certain conditions, to purchase shares from us in an aggregate amount of \$21 million from time to time over a twenty-five (25) month period. We have sold 3,333,332 shares of common stock to Fusion Capital (together with 3,333,332 shares issuable under an immediately exercisable common stock purchase warrant that is not part of this offering) under the Purchase Agreement for total proceeds of \$1,000,000. Under the terms of the Purchase Agreement, Fusion Capital has received a commitment fee consisting of 3,500,000 shares of our common stock. As of April 16, 2008, there were 173,403,188 shares outstanding (155,443,288 shares held by non-affiliates) excluding the shares offered by Fusion Capital pursuant to this Prospectus which it has not yet purchased from us. If all of such 40,000,000 shares offered hereby by Fusion Capital were issued and outstanding as of the date hereof, the 40,000,000 shares would represent approximately 23% of the total common stock outstanding or 26% of the non-affiliates shares outstanding as of the date hereof. The number of shares ultimately offered for sale by Fusion Capital is dependent upon the number of shares purchased by Fusion Capital under the Purchase Agreement.

Under the Purchase Agreement and the Registration Rights Agreement we are required to register 6,833,332 shares which have already been issued and at least 20,000,000 shares which we may issue to Fusion Capital. We have chosen to register an additional 13,166,668 shares more than we are obligated to under the Purchase Agreement with Fusion in order to have additional shares available to sell under the Purchase Agreement so that the Company can raise funds to further implement its business plan. We are registering under the Securities Act 40,000,000 shares of our common stock, 6,833,332 shares which have already been issued and 33,166,668 shares (13,166,668 shares more than we are required to register under the agreements) which we may issue to Fusion Capital in the future. All 40,000,000 shares are being offered pursuant to this Prospectus. Under the Purchase Agreement, we have the right but not the obligation to sell more than the 40,000,000 shares to Fusion Capital. As of the date hereof, we do not have any plans or intent to sell to Fusion Capital any shares beyond the 40,000,000 shares offered hereby. However, if we elect to sell more than the 40,000,000 shares (which we have the right but not the obligation to do), we must first register under the Securities Act any additional shares we may elect to sell to Fusion Capital before we can sell such additional shares, which could cause substantial dilution to our shareholders.

Generally we have the right but not the obligation from time to time to sell our shares to Fusion Capital in amounts between \$80,000 and \$1.0 million depending on certain conditions. We have the right to control the timing and amount of any sales of our shares to Fusion Capital. The purchase price of the shares will be determined based upon the market price of our shares without any fixed discount at the time of each sale. Fusion Capital shall not have the right or the obligation to purchase any shares of our common stock on any business day that the price of our common stock is below \$0.20. There are no negative covenants, restrictions on future fundings, penalties or liquidated damages in the Purchase Agreement or the Registration Rights Agreement. The Purchase Agreement may be terminated by us at any time at our discretion without any cost to us, however the agreement provides that neither party has the ability to amend the Purchase Agreement and the obligations of both parties are non-transferable. The conditions to commence funding were satisfied on April 16, 2008.

We believe that, if we choose to sell up to all of the 33,166,668 shares offered hereby to Fusion Capital, we will have access to the remaining \$20 million of funding potentially available to us as payment for purchases of our shares pursuant to the Purchase Agreement. However, no assurance can be given as to what shares we will actually sell to Fusion Capital. The Company and Fusion Capital agreed to \$21 million because it was the maximum amount Fusion Capital would commit to the Company under the agreement and was based on arms-length negotiations between the parties. Based on the market price of our common stock as of April 14, 2008 (\$0.44), proceeds to us from the sale of the remaining 33,166,668 shares of common stock would only be approximately \$15,920,001. However, the market price of our common stock has been higher and lower than this amount during the past twelve months. We believe that as we execute on our business plan, the market price of our stock will increase and thereby allow us to realize the remaining \$20 million under the agreement by selling the 33,166,668 shares or possibly fewer shares. However, no assurance can be given that this will occur.

On January 16, 2008, Cumorah Capital purchased 8,650,000 shares of the Company's restricted common stock in a private transaction for total proceeds of \$2,500,000.00. The Company agreed to register the 8,650,000 shares purchased by Cumorah Capital. Cumorah Capital is a Nevada corporation and an "accredited investor" as such term is defined in Rule 501(a) of Regulation D as promulgated by the U.S. Securities and Exchange Commission ("SEC").

|                                           |                                                                                                            |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Common Stock Offered</b>               | 48,650,000 shares by the selling stockholders                                                              |
| <b>Offering Price</b>                     | Market price                                                                                               |
| <b>Common Stock Currently Outstanding</b> | 173,403,188 shares as of April 16, 2008                                                                    |
| <b>Use of Proceeds</b>                    | We will not receive any proceeds of the shares offered by the selling stockholders. See "Use of Proceeds". |
| <b>Risk Factors</b>                       | The securities offered hereby involve a high degree of risk. See "Risk Factors".                           |

**Over-the-Counter Bulletin Board Symbol** XSNX.OB

## **FORWARD-LOOKING STATEMENTS**

This Prospectus contains forward-looking statements. Such forward-looking statements include statements regarding, among other things, (a) our projected sales and profitability, (b) our growth strategies, (c) anticipated trends in our industry, (d) our future financing plans and (e) our anticipated needs for working capital. Forward-looking statements, which involve assumptions and describe our future plans, strategies, and expectations, are generally identifiable by use of the words “may”, “will”, “should”, “expect”, “anticipate”, “estimate”, “believe”, “intend” or “project” or the negative words or other variations on these words or comparable terminology. This information may involve known and unknown risks, uncertainties, and other factors that may cause our actual results, performance, or achievements to be materially different from the future results, performance, or achievements expressed or implied by any forward-looking statements. These statements may be found under “Management’s Discussion and Analysis of Financial Condition and Results of Operations” and “Business” as well as in this Prospectus generally. Actual events or results may differ materially from those discussed in forward-looking statements as a result of various factors, including, without limitation, the risks outlined under “Risk Factors” and matters described in this Prospectus generally. In light of these risks and uncertainties, there can be no assurance that the forward-looking statements contained in this filing will in fact occur. In addition to the information expressly required to be included in this filing, we will provide such further material information, if any, as may be necessary to make the required statements, in light of the circumstances under which they are made, not misleading.

**SUMMARY FINANCIAL DATA**

The following table below sets forth certain financial information derived from the Company's audited consolidated financial statements and interim unaudited financial statements for the periods and at the dates indicated.

In 2003, the Company completed a Plan of Reorganization and Asset Purchase Agreement and changed the name of the Company from Sun River Mining, Inc. to XsunX, Inc. Due to the Company's change in primary focus in October of 2003 and the developing nature of the business opportunities, these historical results may not necessarily be indicative of results to be expected for any future period. As such, future results of the Company may differ significantly from previous periods. The historical trends reflect this change of primary focus and the associated research and development period of the development stage company. This change in primary focus is the largest factor in the comparability of this information over time.

The information presented below should be read in conjunction with "Management's Discussion and Analysis of Financial Condition and Results of Operations" and our consolidated financial statements and the related notes.

|                                                          | Years Ended   |               |               |               | Period Ended  |              |
|----------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|--------------|
|                                                          | Sept 30, 2007 | Sept 30, 2006 | Sept 30, 2005 | Sept 30, 2004 | Sept 30, 2003 | Dec 31, 2007 |
| <b><u>Statement of Operations Data:</u></b>              |               |               |               |               |               |              |
| Net Sales                                                | 6,880         | 8,000         | -             | -             | -             | 0            |
| Research and Development Expense                         | 435,534       | 949,472       | 501,423       | 129,493       | -             | 6,406        |
| Loan Fees                                                | -             | 628,834       | 115,000       | -             | -             | -            |
| Warrant Expenses                                         | 325,303       | 951,250       | -             | 1,200,000     | -             | 1,308,865    |
| Income(Loss) from Continuing Operations                  | (1,289,497)   | (3,441,940)   | (1,400,839)   | (1,509,068)   | (145,868)     | (1,914,928)  |
| Income(Loss) from Continuing Operations per Common Share | \$ (0.01)     | \$ (0.02)     | \$ (0.02)     | \$ (0.01)     | \$ (0.02)     | \$ (0.01)    |
| <b><u>Cash Flow Data:</u></b>                            |               |               |               |               |               |              |
| Net cash provided by (used in) operating activities      | (843,416)     | (1,942,278)   | (1,049,650)   | (236,630)     | (27,372)      | (392,623)    |
| Net cash used in investing activities                    | (1,822,942)   | (2,099,736)   | (191,995)     | (12,267)      | (3)           | (192,865)    |
| Net cash provided by financing activities                | 135,000       | 8,171,250     | 1,380,170     | 1,483,895     | 29,721        | 1,000,000    |
| <b><u>Balance Sheet Data:</u></b>                        |               |               |               |               |               |              |
| Cash                                                     | 1,773,748     | 4,305,105     | 175,869       | 37,344        | 2,346         | 2,188,260    |
| Property Plant and Equipment, Net                        | 543,993       | 397,626       | 165,831       | 2,270         | -             | 604,410      |

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|                    |           |           |           |          |       |           |
|--------------------|-----------|-----------|-----------|----------|-------|-----------|
| Note Receivable    | 1,500,000 | -         | -         | -        | -     | 1,500,000 |
| Marketable         |           |           |           |          |       |           |
| Prototype          | 1,720,875 | 1,765,000 | -         | -        | -     | 1,632,625 |
| Total Assets       | 5,742,260 | 6,859,464 | 441,684   | 72,114   | 2,349 | 6,171,783 |
| Accounts Payable   | 259,652   | 582,161   | 78,377    | 89,030   | -     | 238,897   |
| Note Payable       | -         | -         | 850,000   | 1,225    | -     | -         |
| Total Liabilities  | 312,688   | 588,699   | 974,233   | 96,163   | -     | 293,974   |
| Total Stockholders |           |           |           |          |       |           |
| Equity (Deficit)   | 5,429,572 | 6,270,765 | (532,549) | (24,049) | 2,349 | 5,877,809 |
| Long Term          |           |           |           |          |       |           |
| Obligations        | -         | -         | -         | -        | -     | -         |
| Cash Dividends     |           |           |           |          |       |           |
| Declared per       |           |           |           |          |       |           |
| Common Share       | \$ -      | \$ -      | \$ -      | \$ -     | \$ -  | \$ -      |

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**SUPPLEMENTARY FINANCIAL INFORMATION**

The following table presents the Company's condensed operating results for each of the ten (10) fiscal quarters through the period ended December 31, 2007. The information for each of these quarters is unaudited. In the opinion of management, all necessary adjustments, which consist only of normal and recurring accruals, have been included to fairly present the unaudited quarterly results. This data should be read together with the Company's consolidated financial statements and the notes thereto, and Management's Discussions and Analysis of Financial Condition and Results of Operations.

|                                                           | <b>Three (3) Months Ended (In Thousands)</b> |                       |                      |                      |                      |                       |                      |                      |                     |                       |
|-----------------------------------------------------------|----------------------------------------------|-----------------------|----------------------|----------------------|----------------------|-----------------------|----------------------|----------------------|---------------------|-----------------------|
|                                                           | <b>Dec 31, 2007</b>                          | <b>Sept. 30, 2007</b> | <b>June 30, 2007</b> | <b>Mar. 31, 2007</b> | <b>Dec. 31, 2006</b> | <b>Sept. 30, 2006</b> | <b>June 30, 2006</b> | <b>Mar. 31, 2006</b> | <b>Dec 31, 2005</b> | <b>Sept. 30, 2005</b> |
| Net Sales                                                 | 0                                            | 0                     | 0                    | 7                    | 0                    | 0                     | 0                    | 0                    | 8                   | 0                     |
| Research and Development Expense                          | 6                                            | 102                   | 15                   | 109                  | 210                  | 67                    | 369                  | 238                  | 275                 | 143                   |
| Loan Fees                                                 | 0                                            | 0                     | 0                    | 0                    | 0                    | 0                     | 0                    | 0                    | 213                 | 115                   |
| Income (loss) from Continuing Operations                  | (106)                                        | 239                   | (496)                | (448)                | (584)                | (174)                 | (1,121)              | (551)                | (1,596)             | (749)                 |
| Income (loss) from Continuing Operations per common share | \$ (0.01)                                    | \$ 0.002              | \$ (0.003)           | \$ (0.01)            | \$ (0.003)           | \$ (0.001)            | \$ (0.008)           | \$ (0.01)            | \$ (0.013)          | \$ (0.006)            |

**WHERE YOU CAN FIND US**

Our principal executive offices are located at 65 Enterprise, Aliso Viejo, California 92656. Our telephone number is (949) 330-8060 and our website is [www.xsunx.com](http://www.xsunx.com).

## RISK FACTORS

An investment in our common stock involves a high degree of risk. You should carefully consider the risks described below and the other information in this Prospectus before investing in our common stock. If any of the following risks occur, our business, operating results and financial condition could be seriously harmed. Please note that throughout this Prospectus, the words “we”, “our” or “us” refer to the Company and not to the selling stockholders.

***We Have Not Generated Any Significant Revenues And May Never Achieve Profitability.***

We are a development stage company and, to date, have not generated any significant revenues. From inception through December 31, 2007, we had an accumulated deficit of \$13,426,778. We cannot assure you that we can achieve or sustain profitability in the future. Our operations are subject to the risks and competition inherent in the establishment of a business enterprise. There can be no assurance that future operations will be profitable. Revenues and profits, if any, will depend upon various factors, including whether our product development can be completed, and if it will achieve market acceptance. We may not achieve our business objectives and the failure to achieve such goals would have an adverse impact on us.

***We expect that we will need to obtain significant additional financing to continue to operate our business, including significant capital expenditures to install our initial 25MW per annum production capacity, and financing may be unavailable or available only on disadvantageous terms.***

We have in the past experienced substantial losses and negative cash flow from operations and have required financing, including equity and debt financing, in order to pursue the commercialization of products based on our technologies. We expect that we will continue to need significant financing to operate our business, including capital expenditures to install our planned production capacity.

On November 1, 2007, XsunX signed a \$21 million Purchase Agreement with Fusion Capital. Upon signing the agreement, XsunX received \$1,000,000 from Fusion Capital as an initial purchase under the \$21 million commitment in exchange for 3,333,332 shares of our common stock. Concurrently with entering into the Purchase Agreement, we entered into a registration rights agreement with Fusion Capital and we are registering under the Securities Act 40,000,000 shares of our common stock, 6,833,332 shares which have already been issued and 33,166,668 shares which we may issue to Fusion Capital in the future. All 40,000,000 shares are being offered pursuant to this Prospectus. Under the Purchase Agreement, we have the right but not the obligation to sell more than the 40,000,000 shares to Fusion Capital. As of the date hereof, we do not have any plans or intent to sell to Fusion Capital any shares beyond the 40,000,000 shares offered hereby. However, if we elect to sell more than the 40,000,000 shares (which we have the right but not the obligation to do), we must first register under the Securities Act any additional shares we may elect to sell to Fusion Capital before we can sell such additional shares, which could cause substantial dilution to our shareholders.

We have the right over a 25-month period to receive \$80,000 every two business days under the Purchase Agreement with Fusion Capital unless our stock price equals or exceeds \$0.30, in which case we can sell greater amounts to Fusion Capital as the price of our common stock increases. Fusion Capital shall not have the right or the obligation to purchase any shares of our common stock on any business day that the market price of our common stock is less than \$0.20. Assuming we sell only the 33,166,668 shares offered pursuant to this Prospectus (which Fusion Capital has not yet purchased from us), the selling price of these shares to Fusion Capital will have to average at least \$0.6030 per share for us to receive the maximum remaining proceeds of \$20.0 million. Assuming a purchase price of \$0.44 per share (the closing sale price of the common stock on April 14, 2008) and the purchase by Fusion Capital of 33,166,668 shares under the Purchase Agreement, proceeds to us would be approximately \$15,920,001.

Also, On January 16, 2008, Cumorah Capital purchased 8,650,000 shares of the Company's restricted common stock in a private transaction for total proceeds of \$2,500,000. The Company agreed to register the 8,650,000 shares purchased by Cumorah Capital. Cumorah Capital is a Nevada corporation and an Accredited Investor, as defined in Rule 501(a) of Regulation D as promulgated by the SEC.

The extent we rely on Fusion Capital as a source of funding will depend on a number of factors including, the prevailing market price of our common stock and the extent to which we are able to secure working capital from other sources. Specifically, Fusion Capital shall not have the right or the obligation to purchase any shares of our common stock on any business days that the market price of our common stock is less than \$0.20. If obtaining sufficient financing from Fusion Capital were to prove unavailable or prohibitively dilutive and if we are unable to commercialize and sell enough of our TFPV amorphous solar modules, we will need to secure another source of funding in order to satisfy our working capital needs. Even if we are able to access the full \$21.0 million under the Purchase Agreement with Fusion Capital, we may still need additional capital to fully implement our business, operating and development plans. Should the financing we require to sustain our working capital needs be unavailable or prohibitively expensive when we require it, the consequences could be a material adverse effect on our business, operating results, financial condition and prospects.

***We are working to establish our manufacturing capacity for TFPV products in order to meet anticipated demand, and our revenues and profits will depend upon our ability to successfully complete our initial 25MW of manufacturing capacity and then to sell our TFPV products at volumes to match our available production capacity.***

We do not currently have a manufacturing facility. We are working to establish initial manufacturing capacity of 25MW per annum and plan to expand manufacturing capacity to 100MW per annum by 2010. This plan includes establishing a new facility in Oregon. We will be installing and testing the equipment for this manufacturing facility internally and through third parties. We may experience delays, additional or unexpected costs and other adverse events in connection with our projects, including those associated with the equipment we purchase from third parties. Additionally, there can be no assurance that market demand will absorb our manufacturing capacity or that our marketing capabilities will be successful. As a result, we may not be able to realize revenues and profits based upon the expected capacity, or we may experience delays or reductions in these revenues and profits, and our business could be materially adversely affected.

***Continued research and development efforts will be required to improve or maintain competitiveness of our products, and there can be no assurance that such efforts will be successful.***

There can be no assurance that such research and development efforts will be successful or that we will be able to develop commercial applications for our products and technologies. Further, the areas in which we are developing technologies and products are characterized by rapid and significant technological change. Rapid technological development may result in our products becoming obsolete or noncompetitive. If future products based on our technologies cannot be developed for manufacture and sold commercially or our products become obsolete or noncompetitive, we may be unable to recover our investments or achieve profitability. In addition, the commercialization schedule may be delayed if we experience delays in meeting development goals, if products based on our technologies exhibit technical defects, or if we are unable to meet cost or performance goals. In this event, potential purchasers of products based on our technologies may choose alternative technologies and any delays could allow potential competitors to gain market advantages.

***There is no assurance that the market will accept our products once commercial-scale manufacturing has been achieved.***

There can be no assurance that products based on our technologies will be perceived as being superior to existing products or new products being developed by competing companies or that such products will otherwise be accepted by consumers. The market prices for products based on our technologies may exceed the prices of competitive products based on existing technologies or new products based on technologies currently under development by competitors. There can be no assurance that the prices of products based on our technologies will be perceived by consumers as cost-effective or that the prices of such products will be competitive with existing products or with other new products or technologies. If consumers do not accept products based on our technologies, we may be unable to recover our investments or achieve profitability.

***Other companies, many of which have greater resources than we have, may develop competing products or technologies which cause products based on our technologies to become noncompetitive.***

We will be competing with firms, both domestic and foreign, that perform research and development, as well as firms that manufacture and sell solar products. In addition, we expect additional potential competitors to enter the markets for solar products in the future. Some of these current and potential competitors are among the largest industrial companies in the world with longer operating histories, greater name recognition, access to larger customer bases, well-established business organizations and product lines and significantly greater resources and research and development staff and facilities. There can be no assurance that one or more such companies will not succeed in developing technologies or products that will become available for commercial sale prior to our products, that will

have performance superior to products based on our technologies or that would otherwise render our products noncompetitive. If we fail to compete successfully, our business would suffer and we may lose or be unable to gain market share.

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***The loss of strategic relationships used in the development of our products and the systems and components to our planned 25MW manufacturing system could impede our ability to complete our product and/or our initial manufacturing system and result in a material adverse effect causing our business to suffer.***

We have established a plan of operations under which a portion of our operations rely on strategic relationships with third parties, to provide systems design, assembly and support. The Company is not an affiliate of or to any of our strategic relationships and we anticipate the use of written contracts to govern the terms of each service agreement, and the vendor customer relationship. A loss of any of our third party relationships for any reason could cause us to experience difficulties in implementing our business strategy. The loss of any strategic relationship could severely impede our ability to complete the assembly of our planned manufacturing facility causing, at minimum, delays and the need to re-qualify suitable providers. There can be no assurance that we could establish other relationships of adequate expertise in a timely manner or at all.

***The loss of existing vendor relationships or inability to locate vendors with the specific capabilities or capacities could significantly impede our ability to commercialize the Company's technology resulting in a material adverse effect causing the business to suffer***

We rely on vendors to provide materials for use in our manufacturing process, component parts, and equipment for use in the assembly of our manufacturing system. We have selected a primary and secondary vendor for the supply of the various materials, component parts, and equipment employed in our manufacturing process. The Company is not affiliated with any of our vendors and we anticipate the use of written contracts to govern the terms of each purchase and supply commitment, and the vendor customer relationship. The market for the materials, components, and equipment employed by XsunX in the manufacture of our products are developing rapidly and we anticipate that continued growth in the demand for similar material and supplies may cause supplies to become limited or deliveries delayed until such time that vendors can adjust to growth in the demand for their products. There can be no assurance that vendors of sufficient capabilities and/or capacities can adjust in a timely manner or at all to meet any growth in demand for their products. A loss by the Company of any of these vendor relationships or an inability to locate vendors with capabilities and /or capacities necessary to meet our manufacturing system assembly requirements or provide materials in sufficient quantities to support our product production efforts could cause the Company to experience difficulties in implementing our business strategy. The loss of any vendor relationship could severely impede our ability to complete the assembly of our planned manufacturing facility and/or impede or prevent us from producing products thereby causing, at minimum, delays and the need to re-qualify vendors and materials. There can be no assurance that we could establish other relationships of adequate expertise or qualification in a timely manner or at all.

***We cannot guarantee you that our patents are broad enough to provide any meaningful protection nor can we assure you that one of our competitors may not develop more effective technologies, designs or methods without infringing our intellectual property rights or that one of our competitors might not design around our technologies.***

We have been granted, and exclusively own, three patents from the United States Patent and Trademark Office. We have also been granted a license to a patent and technology portfolio relating to photovoltaic technology design, manufacturing processes, and the development of technology. Under our current plans we intend to leverage the technical experience and knowhow we have developed while working to commercialize our patents and licensed technologies. However, our current TFPV solar module design leverages our experience and knowhow but independently is not the product of nor is it protected under any domestic or international patent rights. Our patents and licenses, and our proprietary TFPV solar module designs, may not protect us against our competitors, and patent litigation is very expensive. We may not have sufficient cash available to pursue any patent litigation to its conclusion because currently we do not generate revenues.

We cannot rely solely on our current patents or our proprietary TFPV solar module designs to be successful. The standards that the U.S. Patent and Trademark Office and foreign patent office's use to grant patents, and the standards that U.S. and foreign courts use to interpret patents are not the same and are not always applied predictably or uniformly and can change, particularly as new technologies develop. As such, the degree of patent protection obtained in the U.S. May differ substantially from that obtained in various foreign countries. In some instances, patents have been issued in the U.S. while substantially less or no protection has been obtained in Europe or other countries.

We cannot be certain of the level of protection, if any, that will be provided by our patents or our efforts to maintain the secrecy of our proprietary TFPV solar module designs. If we attempt to enforce them and they are challenged in court where our competitors may raise defenses such as invalidity, unenforceability or possession of a valid license. In addition, the type and extent of any patent claims that may be issued to us in the future are uncertain. Our patents may not contain claims that will permit us to stop competitors from using similar technology.

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***We may suffer the loss of key personnel or may be unable to attract and retain qualified personnel to maintain and expand our business.***

Our success is highly dependent on the continued services of a limited number of skilled managers, scientists and technicians. The loss of any of these individuals could have a material adverse effect on us. In addition, our success will depend upon, among other factors, the recruitment and retention of additional highly skilled and experienced management and technical personnel. There can be no assurance that we will be able to retain existing employees or to attract and retain additional personnel on acceptable terms given the competition for such personnel in industrial, academic and nonprofit research sectors.

***Raw Material Costs Could Impact Our Cost Of Goods And Our Ability To Successfully Develop Our Products and Technologies.***

Higher costs for certain raw materials and commodities, principally glass, resin-based polymers and industrial gases, as well as higher energy costs, could negatively impact our cost of operations. While we have developed strategies to mitigate or partially offset the impact of higher raw material, commodity and energy costs, there can be no assurances such measures will be successful. In addition, no assurances can be given that the magnitude and duration of these cost increases or any future cost increases will not have a larger adverse impact on our profitability and consolidated financial position than currently anticipated. As part of our planned research and development activities, we are attempting to reduce costs through improved automation and substitution strategies. There can be no assurances that we will succeed in these future cost-reduction efforts, which may be essential for the continued development of our competitive presence.

***Due to our need to lease manufacturing facilities of suitable size we may encounter difficulties in locating and qualifying for the necessary manufacturing space we need to effectuate our plan.***

Our current commercial research and development facilities, located in Golden Colorado, are not sufficient in size to allow for our commercial TFPV module production plans. We will need to secure at least 65,000 sq. ft. of additional commercial space. There can be no assurance that we can locate facilities that are appropriate for our operations, or that we can negotiate reasonable lease terms, qualify, or find access to sufficient utility infrastructure. Our failure to secure suitable manufacturing facilities will have a material adverse effect limiting and potentially prohibit our ability to successfully complete our plan to build and operate 25 MW of TFPV solar module manufacturing capabilities.

***Colorado Law Provides Indemnification For Officers, Directors, Employees and Agents of The Company, Which Could Result in Substantial Expenditures By and Have An Adverse Effect On Our Company.***

The Colorado Business Corporation Act provides for the indemnification of its directors, officers, employees, and agents, under certain circumstances, against attorney's fees and other expenses incurred by them in any litigation to which they become a party arising from their association with or activities on behalf of the Company. The Company will also bear the expenses of such litigation for any of its directors, officers, employees, or agents, upon such person's promise to repay the Company therefore if it is ultimately determined that any such person shall not have been entitled to indemnification. This indemnification policy could result in substantial expenditures by the Company which it may be unable to recoup and such expenditures could have an adverse effect on our Company.

***Colorado Law Excludes Personal Liability of Our Directors To The Company Which Could Limit Our Right To Recover Damages And Have An Adverse Effect On Our Company.***

The Colorado Business Corporation Act excludes personal liability of its directors to the Company and its stockholders for monetary damages for breach of fiduciary duty except in certain specified circumstances. Accordingly, the Company will have a much more limited right of action against its directors than otherwise would be

the case, which could have an adverse effect on our Company. This provision does not affect the liability of any director under federal or applicable state securities laws.

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***Compliance With Sarbanes-Oxley Could Be Time Consuming and Costly, Which Could Cause Our Independent Registered Public Accounting Firm To Conclude That Our Internal Control Over Financial Reporting Is Not Effective.***

As a public company, we are required to document and test our internal control procedures in order to satisfy the requirements of Section 404 of the Sarbanes-Oxley Act, which will require annual management assessments of the effectiveness of our internal control over financial reporting and a report by our independent registered public accounting firm that both addresses management's assessment of the effectiveness of internal control over financial reporting and the effectiveness of internal control over financial reporting. During the course of our testing, we may identify deficiencies which we may not be able to remediate in time to meet our deadline for compliance with Section 404. Testing and maintaining internal controls can divert our management's attention from other matters that are important to our business. We also expect the new regulations to increase our legal and financial compliance cost, make it more difficult to attract and retain qualified officers and members of our Board of Directors (particularly to serve on an audit committee) and make some activities more difficult, time consuming and costly. We may not be able to conclude on an ongoing basis that we have effective internal control over financial reporting in accordance with Section 404. Our independent registered public accounting firm may not be able or willing to issue an unqualified report on the effectiveness of our internal control over financial reporting. If we conclude that our internal control over financial reporting is not effective, we cannot be certain as to the timing of completion of our evaluation, testing and remediation actions or their effect on our operations since there is presently no precedent available by which to measure compliance adequacy. If we are unable to conclude that we have effective internal control over financial reporting or our independent auditors are unable to provide us with an unqualified report as required by Section 404, then we may be unable to continue to have our common stock traded on the Over-the-Counter Bulletin Board and investors could lose confidence in our reported financial information, which could have a negative effect on the trading price of our stock.

***Our Common Stock is deemed a low-priced "penny" stock, therefore an investment in our common stock should be considered high risk and subject to marketability restrictions.***

Since our common stock is a penny stock, as defined in Rule 3a51-1 under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), it will be more difficult for investors to liquidate their investment. Until the trading price of the common stock rises above \$5.00 per share, if ever, trading in our common stock is subject to the penny stock rules of the Exchange Act specified in rules 15g-1 through 15g-10. Those rules require broker-dealers, before effecting transactions in any penny stock, to:

- Deliver to the customer, and obtain a written receipt for, a disclosure document;
- Disclose certain price information about the stock;
- Disclose the amount of compensation received by the broker-dealer or any associated person of the broker-dealer;
- Send monthly statements to customers with market and price information about the penny stock; and
- In some circumstances, approve the purchaser's account under certain standards and deliver written statements to the customer with information specified in the rules.

Consequently, the penny stock rules may restrict the ability or willingness of broker-dealers to sell our common stock and may affect the ability of holders to sell their common stock in the secondary market and the price at which such holders can sell any such securities. These additional procedures could also limit our ability to raise additional capital in the future.

***We Do Not Anticipate Paying Any Cash Dividends, Which Could Reduce The Value Of Your Stock.***

We have never paid cash dividends on our common stock and do not anticipate paying cash dividends in the foreseeable future. The payment of dividends on our common stock will depend on earnings, financial condition and other business and economic factors affecting it at such time as our Board of Directors may consider relevant. If we do not pay dividends, our common stock may be less valuable because a return on your investment will only occur if our stock price appreciates.

***There Is A Limited Public Market For Our Common Stock, Which Could Prevent You From Liquidating Your Investment.***

There is only a limited public market for the Company's common stock, and no assurance can be given that a market will continue or that a stockholder ever will be able to liquidate his investment without considerable delay, if at all. If a market should continue, the price may be highly volatile. Factors such as those discussed in this "Risk Factors" section may have a significant impact upon the market price of our common stock. Due to the low price of the securities, many brokerage firms may not be willing to effect transactions in our common stock. Even if a purchaser finds a broker willing to effect a transaction in our common stock, the combination of brokerage commissions, state transfer taxes, if any, and any other selling costs may exceed the selling price. Further, many lending institutions will not permit the use of our common stock as collateral for any loans.

***The sale of our Common Stock to Fusion Capital may cause dilution and the sale of the shares of Common Stock acquired by Fusion Capital could cause the price of our Common Stock to decline.***

In connection with entering into the Purchase Agreement, we are registering under the Securities Act 40,000,000 shares of our common stock, 6,833,332 shares which have already been issued and 33,166,668 shares which we may issue to Fusion Capital in the future. All 40,000,000 shares are being offered pursuant to this Prospectus. Under the Purchase Agreement, we have the right but not the obligation to sell more than the 40,000,000 shares to Fusion Capital. As of the date hereof, we do not have any plans or intent to sell to Fusion Capital any shares beyond the 40,000,000 shares offered hereby. However, if we elect to sell more than the 40,000,000 shares (which we have the right but not the obligation to do), we must first register under the Securities Act any additional shares we may elect to sell to Fusion Capital before we can sell such additional shares, which could cause substantial dilution to our shareholders.

The number of shares ultimately offered for sale by Fusion Capital is dependent upon the number of shares purchased by Fusion Capital under the Purchase Agreement. The purchase price for the common stock to be sold to Fusion Capital pursuant to the Purchase Agreement will fluctuate based on the price of our common stock. All 40,000,000 shares being registered hereunder are expected to be freely tradable. It is anticipated that the shares registered in this offering will be sold over a period of up to twenty-five (25) months from the date of such Prospectus. Depending upon market liquidity at the time, a sale of shares under such offering at any given time could cause the trading price of our common stock to decline. Fusion Capital may ultimately purchase all, some or none of the 33,166,668 shares of common stock being registered herewith which have not already been purchased by Fusion Capital. After it has acquired such shares, it may sell all, some or none of such shares. Therefore, sales to Fusion Capital by us under the Purchase Agreement may result in substantial dilution to the interests of other holders of our common stock. The sale of a substantial number of shares of our common stock under this offering, or anticipation of such sales, could make it more difficult for us to sell equity or equity-related securities in the future at a time and at a price that we might otherwise wish to effect sales. However, we have the right to control the timing and amount of any sales of our shares to Fusion Capital and the Purchase Agreement may be terminated by us at any time at our discretion without any cost to us.

***The Market Price Of Our Common Stock Is Highly Volatile, Which Could Adversely Affect The Market Price Of Your Stock.***

The market price of our common stock is likely to be highly volatile and could fluctuate widely in price in response to various factors, many of which are beyond our control, including:

- technological innovations or new products and services by us or our competitors;
- additions or departures of key personnel;
- sales of our common stock;
- our ability to integrate operations, technology, products and services;
- our ability to execute our business plan;
- operating results below expectations;
- loss of any strategic relationship;
- industry developments;

· economic and other external factors; and

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period-to-period fluctuations in our financial results.

Because we have a limited operating history with limited revenues to date, you may consider any one of these factors to be material. Our stock price may fluctuate widely as a result of any of the above listed factors.

In addition, the securities markets have from time to time experienced significant price and volume fluctuations that are unrelated to the operating performance of particular companies. These market fluctuations may also materially and adversely affect the market price of our common stock.

**An Adverse Ruling in the Wharton Capital Litigation Could Reduce The Proceeds Available To Us From Sales of Common Stock to Fusion Capital.**

On January 3, 2008, Wharton Capital Partners, Ltd, and Wharton Capital Markets LLC, filed an action in the U.S. District Court for the Southern District of New York against the Company pursuant to which plaintiffs seek fees in an amount equal to seven percent (7%) of the gross proceeds received by the Company under the Purchase Agreement. Although the Company asserts that no fees are owed to Wharton Capital Partners, Ltd, Wharton Capital Markets LLC or Capitoline Financial Group LLC, an adverse ruling in favor of plaintiffs could reduce the amount of gross proceeds the Company would otherwise receive under the Purchase Agreement by up to seven percent (7%).

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## USE OF PROCEEDS

This Prospectus relates to shares of our common stock that may be offered and sold from time to time by the selling stockholders. We will receive no proceeds from the sale of shares of common stock in this offering. However, we have received (a) \$1,000,000 from Fusion Capital in connection with the initial sale of shares under the Purchase Agreement and we may receive up to an additional \$20 million in proceeds from the sale of our common stock to Fusion Capital under the Purchase Agreement and (b) \$2.5 million in proceeds from the prior sale of our common stock to Cumorah Capital. Any proceeds from Fusion Capital we receive under the Purchase Agreement will be used for working capital and general corporate purposes.

The proceeds received by the Company under the Purchase Agreement are expected to be used to build an initial base production system delivering full size commercial quality solar modules, and initiate the manufacture of the first of four (4) planned twenty-five (25) megawatt systems under the Company's planned one hundred (100) megawatt thin film solar module production facility. Proceeds may also be used to lease and prepare manufacturing facilities with the necessary support systems for the manufacturing line, inventory, staff, and general working capital. We have provided the table below which reflects the receipt by the Company of an aggregate of \$23,500,000 in proceeds from the completed sales to both Fusion Capital and Cumorah Capital and which also assumes the future sale to Fusion Capital of up to an additional \$20,000,000 (the maximum possible) in shares of our common stock under the Purchase Agreement. Please also note that if we are unsuccessful in defending the Wharton Action described in the "Legal Proceedings" section of this Prospectus, each of the figures set forth herein below would be reduced by up to seven percent (7%):

### Aggregate Proceeds To Be Received by the Company (Fusion Capital and Cumorah Capital)

|                                                         |                      |
|---------------------------------------------------------|----------------------|
| Manufacturing Equipment and Sub Systems                 | \$ 12,773,974        |
| Working Capital and General and Administrative          | 6,998,279            |
| Lease Payments and Manufacturing Leasehold Improvements | 2,725,098            |
| New Manufacturing Devices, Techniques and R&D           | 1,002,649            |
| <b>Total:</b>                                           | <b>\$ 23,500,000</b> |

The table below reflects our use of proceeds based on the issuance of 33,166,668 shares to Fusion Capital at the market price of our shares as of April 14, 2008 (\$0.44 per share) and also the floor price as set forth in the Purchase Agreement (\$0.20 per share). The table also includes \$1,000,000 in proceeds already received by the Company for the sale of 3,333,332 shares to Fusion under the Purchase Agreement, and \$2,500,000 in proceeds received by the Company from the sale of 8,650,000 shares to Cumorah Capital. Please also note that if we are unsuccessful in defending the Wharton Action described in the "Legal Proceedings" section of this Prospectus, each of the figures set forth herein below could be reduced by up to seven percent (7%):

| Use Proceeds From Sale of Common Stock To Fusion Capital Only<br>(Including Previous Sales to Fusion Capital and Cumorah Capital) | Market Price<br>at April 14,<br>2008<br>(\$0.44) | Floor Price<br>(\$0.20) |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------|
| Manufacturing Equipment and Sub Systems                                                                                           | \$ 11,300,000                                    | \$ 5,900,000            |
| Working Capital and General and Administrative                                                                                    | 3,993,334                                        | 2,608,334               |

|                                                         |                      |                      |
|---------------------------------------------------------|----------------------|----------------------|
| Lease Payments and Manufacturing Leasehold Improvements | 2,300,000            | 1,400,000            |
| New Manufacturing Devices, Techniques and R&D           | 500,000              | 225,000              |
| <b>Total:</b>                                           | <b>\$ 18,093,334</b> | <b>\$ 10,133,334</b> |

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**SELLING STOCKHOLDERS**

The following table presents information regarding the selling stockholders. Neither the selling stockholders nor any of their affiliates has held a position or office, or had any other material relationship, with us.

| <b>Selling Stockholder</b>                 | <b>Shares Beneficially Owned Before Offering</b> | <b>Percentage of Outstanding Shares Beneficially Owned Before Offering <sup>(1)</sup></b> | <b>Shares to be Sold in the Offering Assuming The Company Issues All 33,166,668 Number of Shares Offered Hereby</b> | <b>Percentage of Outstanding Shares Beneficially Owned After Offering <sup>(1)</sup></b> |
|--------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Fusion Capital Fund II, LLC <sup>(2)</sup> | 8,496,707 <sup>(3)</sup>                         | 4.9% <sup>(4)</sup>                                                                       | 40,000,000 <sup>(3)</sup>                                                                                           | 0.02% <sup>(6)</sup>                                                                     |
| Cumorah Capital, Inc. <sup>(5)</sup>       | 8,650,000                                        | 4.99%                                                                                     | 8,650,000                                                                                                           | 0%                                                                                       |
| <b>Total:</b>                              | <b>17,146,707</b>                                | <b>9.89%</b>                                                                              | <b>48,650,000</b>                                                                                                   | <b>0.02%</b>                                                                             |

(1) Applicable percentage of ownership is based on 173,403,188 shares of our common stock outstanding as of April 16, 2008, together with securities exercisable or convertible into shares of Common Stock within sixty (60) days of April 16, 2008 for each selling stockholder. Beneficial ownership is determined in accordance with the rules of the SEC and generally includes voting or investment power with respect to securities. Shares of common stock are deemed to be beneficially owned by the person holding such securities for the purpose of computing the percentage of ownership of such person, but are not treated as outstanding for the purpose of computing the percentage ownership of any other person. Note that affiliates are subject to Rule 144 and insider trading regulations, percentage computation is for form purposes only.

(2) Steven G. Martin and Joshua B. Scheinfeld, the principals of Fusion Capital, are deemed to be beneficial owners of all of the shares of common stock owned by Fusion Capital. Messrs. Martin and Scheinfeld have shared voting and disposition power over the shares being offered under this Prospectus.

(3) Of the 8,496,707 shares beneficially held by Fusion Capital, (a) 6,833,332 shares of our common stock have been acquired by Fusion Capital under the Purchase Agreement, consisting of (i) 3,333,332 shares purchased by Fusion Capital for \$1,000,000 and (ii) 3,500,000 shares we issued to Fusion Capital as a commitment fee and (b) up to 1,663,375 shares may be currently issued to Fusion Capital upon the exercise of up to 4.9% of 3,333,332 shares underlying two (2) identical warrants (except for strike price, one at \$0.50 and the other at \$0.75 per share) in accordance with the terms of the warrants (1,666,666 shares underlie each warrant). Both warrants have a provision stating that in no event shall Fusion Capital be entitled to exercise the warrant for a number of shares in excess of that number of shares which, upon giving effect to such exercise, would cause the aggregate number of shares of common stock beneficially owned by Fusion Capital to exceed 4.9% of the then outstanding shares of common stock following such exercise. The shares underlying the warrants are not part of this offering. Without giving effect to the 4.9% ownership cap in the warrants, Fusion Capital would beneficially own 10,166,664 shares, which would constitute approximately 5.86% of the total number of shares outstanding as of the date of this Prospectus. The Company may elect in its sole discretion to sell to Fusion Capital up to an additional 33,166,668 shares under the Purchase Agreement but Fusion Capital does not presently beneficially own those shares as determined in accordance with the rules of the SEC. If, as of the date of this Prospectus, Fusion Capital had purchased and held all of the 33,166,668 shares potentially available under the Purchase Agreement then, as of the date of this Prospectus, Fusion Capital could beneficially own 40,000,000 shares, which would constitute

approximately 23% of the total number of shares of common stock outstanding as of the date of this Prospectus. Under these circumstances, Fusion Capital would be unable to exercise the warrants because of the 4.9% ownership cap in such warrants.

- (4) Fusion Capital beneficially owns 3.94% of the outstanding shares not including 3,333,332 shares which may be issued to Fusion Capital upon the exercise of two (2) identical warrants (except for strike price, one at \$0.50 and the other at \$0.75 per share) of 1,666,666 shares each, and 4.9% of the outstanding shares including such warrant shares as a result of a 4.9% ownership cap in accordance with the terms of the warrants (and as summarized in footnote (3) herein above).
- (5) Mr. William E. Beifuss, President of Cumorah Capital, is deemed to be the beneficial owner of all of the shares of common stock owned by Cumorah Capital. Mr. William E. Beifuss has voting and disposition power over the shares being offered under this Prospectus. Cumorah Capital is not a broker dealer or an affiliate of a broker dealer.
- (6) Outstanding shares beneficially owned after offering is based on 209,903,188 shares (which includes the 33,166,668 shares to be sold in the offering and the 3,333,332 shares which may be issued to Fusion Capital upon the exercise of two (2) identical warrants (except for strike price, one at \$0.50 and the other at \$0.75 per share) of 1,666,666 shares each). This percentage represents Fusion Capital's beneficial ownership of the 3,333,332 shares underlying such warrants only.

## THE FUSION TRANSACTION

### General

On November 1, 2007, we entered into a Purchase Agreement with Fusion Capital, an Illinois limited liability company. Under the Purchase Agreement, Fusion Capital is obligated, under certain conditions, to purchase shares from us in an aggregate amount of \$21 million from time to time over a twenty-five (25) month period. We have sold 3,333,332 shares of common stock to Fusion Capital (together with 3,333,332 shares issuable under an immediately exercisable common stock purchase warrant that is not part of this offering) under the Purchase Agreement for total proceeds of \$1,000,000. Under the terms of the Purchase Agreement, Fusion Capital has received a commitment fee consisting of 3,500,000 shares of our common stock. As of April 16, 2008, there were 173,403,188 shares outstanding (155,443,288 shares held by non-affiliates) excluding the 33,166,668 shares offered by Fusion Capital pursuant to this Prospectus which it has not yet purchased from us. If all of such 33,166,668 shares offered hereby were issued and outstanding as of the date hereof, the 33,166,668 shares would represent 19.12% of the total common stock outstanding or 21.33% of the non-affiliates shares outstanding as of the date hereof. The number of shares ultimately offered for sale by Fusion Capital is dependent upon the number of shares purchased by Fusion Capital under the Purchase Agreement.

Under the Purchase Agreement and the Registration Rights Agreement we are required to register 6,833,332 shares which have already been issued and at least 20,000,000 shares which we may issue to Fusion Capital in the future. We have chosen to register an additional 13,166,668 shares more than we are obligated to under the Purchase Agreement with Fusion in order to have additional shares available to sell under the Purchase Agreement so that the Company can raise funds to further implement its business plan. We are registering under the Securities Act 40,000,000 shares of our common stock, 6,833,332 shares which have already been issued and 33,166,668 shares (13,166,668 shares more than we are required to register under the agreements) which we may issue to Fusion Capital in the future. All 40,000,000 shares are being offered pursuant to this Prospectus. Under the Purchase Agreement, we have the right but not the obligation to sell more than the 40,000,000 shares to Fusion Capital. As of the date hereof, we do not have any plans or intent to sell to Fusion Capital any shares beyond the 40,000,000 shares offered hereby. However, if we elect to sell more than the 40,000,000 shares (which we have the right but not the obligation to do), we must first register under the Securities Act any additional shares we may elect to sell to Fusion Capital before we can sell such additional shares, which could cause substantial dilution to our shareholders.

Generally we have the right but not the obligation from time to time to sell our shares to Fusion Capital in amounts between \$80,000 and \$1.0 million depending on certain conditions. We have the right to control the timing and amount of any sales of our shares to Fusion Capital. The purchase price of the shares will be determined based upon the market price of our shares without any fixed discount at the time of each sale. Fusion Capital shall not have the right or the obligation to purchase any shares of our common stock on any business day that the price of our common stock is below \$0.20. There are no negative covenants, restrictions on future fundings, penalties or liquidated damages in the Purchase Agreement or the Registration Rights Agreement. The Purchase Agreement may be terminated by us at any time at our discretion without any cost to us, however the agreement provides that neither party has the ability to amend the Purchase Agreement and the obligations of both parties are non-transferable. The conditions to commence funding were satisfied on April 16, 2008.

We believe that, if we choose to sell up to all of the 33,166,668 shares offered hereby to Fusion Capital, we will have access to the remaining \$20 million of funding potentially available to us as payment for purchases of our shares pursuant to the Purchase Agreement. However, no assurance can be given as to what shares we will actually sell to Fusion Capital. The Company and Fusion Capital agreed to \$21 million because it was the maximum amount Fusion Capital would commit to the Company under the agreement and was based on arms-length negotiations between the parties. Based on the market price of our common stock as of April 14, 2008 (\$0.44), proceeds to us from the sale of the remaining 33,166,668 shares of common stock would only be approximately \$15,920,001. However, the market

price of our common stock has been higher and lower than this amount during the past twelve months. We believe that as we execute on our business plan, the market price of our stock will increase and thereby allow us to realize the remaining \$20 million under the agreement by selling the 33,166,668 shares or possibly fewer shares. However, no assurance can be given that this will occur.

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### **Purchase of Shares Under the Purchase Agreement**

Under the Purchase Agreement, on any business day selected by us, we may direct Fusion Capital to purchase up to \$80,000 of our common stock. The purchase price per share is equal to the lesser of:

- the lowest sale price of our common stock on the purchase date; and
- the average of the three (3) lowest closing sale prices of our common stock during the twelve (12) consecutive business days prior to the date of a purchase by Fusion Capital.

The purchase price will be equitably adjusted for any reorganization, recapitalization, non-cash dividend, stock split, or other similar transaction occurring during the business days used to compute the purchase price. We may direct Fusion Capital to make multiple purchases from time to time in our sole discretion; no sooner than every two (2) business days.

### **Our Right to Increase the Amount to Be Purchased**

In addition to purchases of up to \$80,000 from time to time, we may also from time to time elect on any single business day selected by us to require Fusion Capital to purchase our shares in an amount up to \$200,000 provided that our share price is not below \$0.30 during the three (3) business days prior to and on the purchase date. We may increase this amount to up to \$400,000 if our share price is not below \$0.50 during the three (3) business days prior to and on the purchase date. This amount may also be increased to up to \$600,000 if our share price is not below \$0.80 during the three (3) business days prior to and on the purchase date. This amount may also be increased to up to \$1.0 million if our share price is not below \$1.25 during the three (3) business days prior to and on the purchase date. We may direct Fusion Capital to make multiple large purchases from time to time in our sole discretion; however, at least two (2) business days must have passed since the most recent large purchase was completed. The price at which our common stock would be purchased in this type of larger purchases will be the lesser of (i) the lowest sale price of our common stock on the purchase date and (ii) the lowest purchase price (as described above) during the previous ten (10) business days prior to the purchase date.

### **Minimum Purchase Price**

Under the Purchase Agreement, we have set a minimum purchase price ("floor price") of \$0.20. However, Fusion Capital shall not have the right or the obligation to purchase any shares of our common stock in the event that the purchase price would be less the floor price. Specifically, Fusion Capital shall not have the right or the obligation to purchase shares of our common stock on any business day that the market price of our common stock is below \$0.20.

### **Events of Default**

Generally, Fusion Capital may terminate the Purchase Agreement without any liability or payment to the Company upon the occurrence of any of the following events of default:

- the effectiveness of the registration statement of which this Prospectus is a part of lapses for any reason (including, without limitation, the issuance of a stop order) or is unavailable to Fusion Capital for sale of our common stock offered hereby and such lapse or unavailability continues for a period of ten (10) consecutive business days or for more than an aggregate of thirty (30) business days in any 365-day period;
- suspension by our principal market of our common stock from trading for a period of three (3) consecutive business days;

- the de-listing of our common stock from our principal market provided our common stock is not immediately thereafter trading on the Nasdaq Global Market, the Nasdaq Capital Market, the New York Stock Exchange or the American Stock Exchange;
- the transfer agent's failure for five (5) business days to issue to Fusion Capital shares of our common stock which Fusion Capital is entitled to under the Purchase Agreement;
- any material breach of the representations or warranties or covenants contained in the Purchase Agreement or any related agreements which has or which could have a material adverse effect on us subject to a cure period of five (5) business days; or

any participation or threatened participation in insolvency or bankruptcy proceedings by or against us.

### Our Termination Rights

We have the unconditional right at any time for any reason to give notice to Fusion Capital terminating the Purchase Agreement without any cost to us.

### No Short-Selling or Hedging by Fusion Capital

Fusion Capital has agreed that neither it nor any of its affiliates shall engage in any direct or indirect short-selling or hedging of our common stock during any time prior to the termination of the Purchase Agreement.

### Effect of Performance of the Common Stock Purchase Agreement on Our Stockholders

All 40,000,000 shares registered on behalf of Fusion Capital in this offering are expected to be freely tradable. It is anticipated that shares registered in this offering will be sold over a period of up to twenty-five (25) months from the date of this Prospectus. The sale by Fusion Capital of a significant amount of shares registered in this offering at any given time could cause the market price of our common stock to decline and to be highly volatile. Fusion Capital may ultimately purchase all, some or none of the 33,166,668 shares of common stock not yet issued but registered in this offering. After it has acquired such shares, it may sell all, some or none of such shares. Therefore, sales to Fusion Capital by us under the Purchase Agreement may result in substantial dilution to the interests of other holders of our common stock. However, we have the right to control the timing and amount of any sales of our shares to Fusion Capital and the Purchase Agreement may be terminated by us at any time at our discretion without any cost to us.

The number of shares ultimately offered for sale by Fusion Capital under this Prospectus is dependent upon the number of shares purchased by Fusion Capital under the Purchase Agreement. The following table sets forth the amount of proceeds we would receive from Fusion Capital from the sale of shares at varying purchase prices:

| Assumed Average<br>Purchase Price | Number of Shares to be<br>Issued if Full Purchase <sup>(2)</sup> | Percentage of<br>Outstanding Shares After<br>Giving Effect to the<br>Issuance to Fusion<br>Capital <sup>(1)</sup> | Proceeds from the Sale of<br>Shares to Fusion Capital<br>Under the Purchase<br>Agreement <sup>(2)</sup> |
|-----------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| \$ 0.20                           | 33,166,668                                                       | 16.06%                                                                                                            | \$ 6,633,334                                                                                            |
| \$ 0.30                           | 33,166,668                                                       | 16.06%                                                                                                            | \$ 9,950,000                                                                                            |
| \$ 0.40                           | 33,166,668                                                       | 16.06%                                                                                                            | \$ 13,266,667                                                                                           |
| \$ 0.44 <sup>(3)</sup>            | 33,166,668                                                       | 16.06%                                                                                                            | \$ 14,593,334                                                                                           |
| \$ 0.50                           | 33,166,668                                                       | 16.06%                                                                                                            | \$ 16,583,334                                                                                           |
| \$ 0.75                           | 26,666,667                                                       | 13.33%                                                                                                            | \$ 20,000,000                                                                                           |
| \$ 1.00                           | 20,000,000                                                       | 10.34%                                                                                                            | \$ 20,000,000                                                                                           |
| \$ 2.00                           | 10,000,000                                                       | 5.45%                                                                                                             | \$ 20,000,000                                                                                           |

(1) The denominator is based on 173,403,188 shares outstanding as of April 16, 2008, which includes the 6,833,332 shares previously issued to Fusion Capital and the number of shares set forth in the adjacent column. The numerator is based on the number of shares issuable under the Purchase Agreement at the corresponding assumed purchase price set forth in the adjacent column.

(2) Includes the 33,116,668 shares of common stock being purchased at the assumed average purchase price. Does not include the 3,333,332 shares of common stock previously purchased by Fusion Capital under the Purchase Agreement.

Agreement for \$1,000,000 and 3,500,000 shares of our common stock issued to Fusion Capital as a commitment fee under the Purchase Agreement.

(3) Closing sale price of our shares on April 14, 2008.

Under the Purchase Agreement, we have the right but not the obligation to sell more than the 40,000,000 shares to Fusion Capital, which includes the 6,833,332 shares previously issued to Fusion Capital. As of the date hereof, we do not have any plans or intent to sell to Fusion Capital any shares beyond the 40,000,000 shares offered hereby. However, if we elect to sell more than the 40,000,000 shares (33,166,668 shares not including the 6,833,332 shares previously issued to Fusion Capital), which we have the right but not the obligation to do, we must first register under the Securities Act any additional shares we may elect to sell to Fusion Capital before we can sell such additional shares, which could cause substantial dilution to our shareholders.

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### **Material Terms of the Registration Rights Agreement**

In connection with the Purchase Agreement, the Company and Fusion Capital entered into that certain Registration Rights Agreement, dated November 1, 2007, pursuant to which the Company provided to Fusion Capital certain registration rights under the Securities Act. Specifically, the Company was obligated to and did file with the SEC a registration statement covering 6,833,332 initial shares issued by the Company to Fusion Capital on November 1, 2007 plus 20,000,000 additional shares which may be issued by the Company to Fusion Capital from time to time after November 1, 2007 pursuant to the Purchase Agreement (collectively, the “Registrable Securities”). Furthermore, the Company agreed to use its best efforts to and did have such registration statement or amendment(s) declared effective by the SEC at the earliest possible date, and the Company shall use reasonable best efforts to keep such registration statement effective pursuant to Rule 415 promulgated under the Securities Act and available for sales of all of the Registrable Securities at all times until the earlier of (i) the date as of which Fusion Capital may sell all of the Registrable Securities without restriction pursuant to Rule 144(k) promulgated under the Securities Act (or successor thereto) or (ii) the date on which (A) Fusion Capital shall have sold all the Registrable Securities and no available amount remains under the Purchase Agreement.

All reasonable expenses, other than sales or brokerage commissions, incurred in connection with registrations, filings or qualifications, including, without limitation, all registration, listing and qualifications fees, printers and accounting fees, and fees and disbursements of counsel for the Company, shall be paid by the Company.

### **Material Terms of the Common Stock Purchase Warrants**

In connection with the Purchase Agreement, the Company issued two (2) immediately exercisable common stock purchase warrants to Fusion Capital on November 1, 2007. The first warrant entitles Fusion Capital to purchase up to 1,666,666 shares of the Company’s common stock at a purchase price equal to \$0.50 per share and the second warrant entitles Fusion Capital to purchase 1,666,666 shares of the Company’s common stock at a purchase price equal to \$0.75 per share. Both warrants expire on October 31, 2012. If at any time the shares of common stock underlying the warrants are not registered and would not be freely tradable upon an exercise of the warrant and cash payment, then Fusion Capital may elect to exercise the warrants via a “cashless” exercise in accordance with the formula set forth in the warrants. In no event shall Fusion Capital be entitled to exercise the warrants for a number of shares in excess of that number of shares which, upon giving effect to such exercise, would cause the aggregate number of shares of common stock beneficially owned by Fusion Capital to exceed 4.9% of the then outstanding shares of the common stock following such exercise.

## THE CUMORAH CAPITAL TRANSACTION

On January 17, 2008, Cumorah Capital purchased 8,650,000 shares of the Company's restricted common stock in a private transaction for total proceeds of \$2,500,000. The Company agreed to register the 8,650,000 shares purchased by Cumorah Capital in this offering. Cumorah Capital is a Nevada corporation and an "accredited investor" as such term is defined in Rule 501(a) of Regulation D as promulgated by the SEC. The Company accepted the Cumorah Capital investment for use in the support of efforts to build and operate a solar module manufacturing facility. There is no relationship between Cumorah Capital and Fusion Capital.

## PLAN OF DISTRIBUTION

The common stock offered by this Prospectus is being offered by the selling stockholders. The common stock may be sold or distributed from time to time by the selling stockholders directly to one or more purchasers or through brokers, dealers, or underwriters who may act solely as agents at market prices prevailing at the time of sale, at prices related to the prevailing market prices, at negotiated prices, or at fixed prices, which may be changed. The sale of the common stock offered by this Prospectus may be effected in one or more of the following methods:

- ordinary brokers' transactions;
- transactions involving cross or block trades;
- through brokers, dealers, or underwriters who may act solely as agents;
- "at the market" into an existing market for the common stock;
- in other ways not involving market makers or established business markets, including direct sales to purchasers or sales effected through agents;
- in privately negotiated transactions; or
- any combination of the foregoing.

In order to comply with the securities laws of certain States, if applicable, the shares may be sold only through registered or licensed brokers or dealers. In addition, in certain States, the shares may not be sold unless they have been registered or qualified for sale in the state or an exemption from the registration or qualification requirement is available and complied with.

Brokers, dealers, underwriters, or agents participating in the distribution of the shares as agents may receive compensation in the form of commissions, discounts, or concessions from the selling stockholders and/or purchasers of the common stock for whom the broker-dealers may act as agent. The compensation paid to a particular broker-dealer may be less than or in excess of customary commissions.

Fusion Capital is an "underwriter" within the meaning of the Securities Act. Cumorah Capital may be deemed to be an "underwriter" within the meaning of the Securities Act.

Neither we nor the selling stockholders can presently estimate the amount of compensation that any agent will receive. We know of no existing arrangements between the selling stockholders, any other stockholder, broker, dealer, underwriter, or agent relating to the sale or distribution of the shares offered by this Prospectus. At the time a particular offer of shares is made, a prospectus supplement, if required, will be distributed that will set forth the names of any agents, underwriters, or dealers and any compensation from the selling stockholders, and any other required

information.

We will pay all of the expenses incident to the registration, offering, and sale of the shares to the public other than commissions or discounts of underwriters, broker-dealers, or agents. We have also agreed to indemnify Fusion Capital and related persons against specified liabilities, including liabilities under the Securities Act.

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Insofar as indemnification for liabilities arising under the Securities Act may be permitted to our directors, officers, and controlling persons, we have been advised that in the opinion of the SEC this indemnification is against public policy as expressed in the Securities Act and is therefore, unenforceable.

Fusion Capital and their affiliates have agreed not to engage in any direct or indirect short selling or hedging of our common stock during the term of the Purchase Agreement.

We have advised the selling stockholders that while it is engaged in a distribution of the shares included in this Prospectus it is required to comply with Regulation M promulgated under the Exchange Act. With certain exceptions, Regulation M precludes the selling stockholders, any affiliated purchasers, and any broker-dealer or other person who participates in the distribution from bidding for or purchasing, or attempting to induce any person to bid for or purchase any security which is the subject of the distribution until the entire distribution is complete. Regulation M also prohibits any bids or purchases made in order to stabilize the price of a security in connection with the distribution of that security. All of the foregoing may affect the marketability of the shares offered hereby this Prospectus.

This offering will terminate on the date that all shares offered by this Prospectus have been sold by the selling stockholders.

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## LEGAL PROCEEDINGS

In the ordinary conduct of our business, we are subject to periodic lawsuits, investigations and claims, including, but not limited to, routine employment matters. Although we cannot predict with certainty the ultimate resolution of lawsuits, investigations and claims asserted against us, we are currently not aware of nor have any knowledge of any legal proceedings or claims that we believe will have, individually or in the aggregate, a material adverse affect on our business, financial condition or operating results.

On December 7, 2007, the Company filed an action for breach of contract and declaratory relief in the Superior Court of Orange County, California, against Wharton Capital Partners, Ltd, Wharton Capital Markets LLC, and Capitoline Financial Group LLC. The action is captioned XsunX, Inc. v. Wharton Capital Partners, Ltd, et al., and is pending in the above Court as case no. 07CC12772 ("XsunX Action"). The XsunX Action was brought to seek a court determination that the Company does not owe any fees to the above defendants by reason of the Fusion Capital transaction. The Company believes that no agreement between Wharton and the Company was executed and therefore no valid agreement between the parties exists. The XsunX Action also seeks return of confidential materials from the above defendants. On January 3, 2008, Wharton Capital Partners, Ltd, and Wharton Capital Markets LLC, filed an action in the U.S. District Court for the Southern District of New York against the Company stemming from the same matter. That action is captioned Wharton Capital Partners Ltd, and Wharton Capital Markets LLC v. XsunX, Inc., and is pending in the above Court as case no. 080CV0056 ("Wharton Action"). The Wharton Action seeks fees in an amount equal to seven percent (7%) of the gross proceeds received by the Company under the Fusion financing agreement. The Company asserts that no fees are owed to Wharton Capital Partners, Ltd, Wharton Capital Markets LLC, or Capitoline Financial Group LLC. The Company intends to vigorously prosecute the XsunX Action and to vigorously defend the Wharton Action. In the event that the Company does not prevail we may be required to provide Wharton a payment of up to seven percent (7%) of any proceeds received by the Company under the Purchase Agreement with Fusion Capital.

**DIRECTORS, EXECUTIVE OFFICERS, PROMOTERS AND CONTROL PERSONS**

The following table lists the executive offices and directors of the Company as of April 16, 2008:

| <b>Name</b>           | <b>Age</b> | <b>Position Held</b>     | <b>Tenure</b>       |
|-----------------------|------------|--------------------------|---------------------|
| Tom Djokovich         | 50         | President, CEO, Director | Since October 2003  |
| Joseph Grimes         | 50         | COO                      | Since April 2006    |
| Jeff Huitt            | 46         | CFO, Secretary           | Since January 2007  |
| Thomas Anderson       | 42         | Director                 | Since August 2001   |
| Oz Fundingsland       | 64         | Director                 | Since November 2007 |
| Dr. Michael A. Russak | 60         | Director                 | Since November 2007 |

The directors named above will serve until the next annual meeting of the Company's stockholders. Thereafter, directors will be elected for one-year terms at the annual stockholders' meeting. Officers will hold their positions at the pleasure of our Board of Directors. There is no arrangement or understanding between the directors and officers of the Company and any other person pursuant to which any director or officer was or is to be selected as a director or officer.

The directors of the Company will devote such time to the Company's affairs on an "as needed" basis, but typically less than twenty (20) hours per month. As a result, the actual amount of time which they will devote to the Company's affairs is unknown and is likely to vary substantially from month to month.

**Biographical Information****Tom Djokovich, President and Chief Executive Officer since October 2003, and Director**

Mr. Djokovich was the founder and served from 1995 to 2002 as the Chief Executive Officer of Accesspoint Corporation, a vertically integrated provider of electronic transaction processing and e-business solutions for merchants. Under Mr. Djokovich's guidance, Accesspoint became a member of the Visa/MasterCard association, the national check processing association NACHA, and developed one of the payment industry's most diverse set of network based transaction processing, business management and CRM systems for both Internet and conventional points of sale. Prior to Accesspoint, Mr. Djokovich founded TMD Construction and Development in 1979. TMD provided management for multimillion-dollar projects incorporating at times hundreds of employees, subcontractors and international material acquisitions for commercial, industrial and custom residential construction services as a licensed building firm in California. In 1995 Mr. Djokovich developed an early Internet based business-to-business ordering system for the construction industry.

**Joseph Grimes, Chief Operating Officer since April 2006**

Mr. Grimes brings to XsunX more than eight years direct experience in thin-film technology and manufacturing. He was most recently Vice President, Defense Solutions, for Envisage Technology Company, where he directed and managed the defense group business development process, acquisition strategies and vision for next generation applications from October 2005 to March 2006. Previously he was Co-Founder, President and CEO of ISERA Group, where he established the company infrastructure and guided five development teams, finally selling the company to Envisage from 1993 to 2005. His direct experience in thin-film technology came with Applied Magnetics Corporation from 1985 to 1993 as manager for thin-film prototype assembly. Mr. Grimes holds a Bachelor's degree in business economics and environmental studies, and a Master's in computer modeling and operation research applications, both from the University of California at Santa Barbara.

**Jeff Huitt, Chief Financial Officer since January 2007, Secretary since April 30, 2007**

Jeff Huitt serves as Chief Financial Officer and Secretary at XsunX. Located in the Golden, Colorado research facility, his responsibilities include operations management and coordination of resources. He has over twenty (20) years experience in leadership positions of both larger organizations and start ups, most recently as President of Parking Stripes Advertising, a private start-up media company from October 2006 to August 2007. Prior to that, he was COO/CFO of a startup defense contractor guiding the company through high growth and a recapitalization from January 2004 to October 2006. His additional experience includes CFO of iSherpa Capital, from October 2001 to January 2004 and Controller of Qwest Wireless from 1996 to 2000. Mr. Huitt is a CPA and holds two degrees from the University of Denver: a Bachelor of Science in Accounting and a Master's in Business Administration.

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**Thomas Anderson, became a Director of the Company in August 2001**

Mr. Anderson presently works as the Managing Director of the Environmental Science and Engineering Directorate of Qinetiq North America in Los Alamos, New Mexico. He has been with Qinetiq North America, formerly Apogen Technologies, since January, 2005. Mr. Anderson has worked for the past 18 years in the environmental consulting field, providing consulting services in the areas of environmental compliance, characterization and remediation services to Department of Energy, Department of Defense, and industrial clients. He formerly worked as a Senior Environmental Scientist at Concurrent Technologies Corp. from November 2000 to December 2004. He earned his B.S. in Geology from Denison University and his M.S. in Environmental Science and Engineering from Colorado School of Mines.

**Oz Fundingsland, became a Director of the Company in November 2007**

Mr. Fundingsland brings over forty (40) years of sales, marketing, executive business management, finance, and corporate governance experience to XsunX. His professional and business experience principally originated with his tenure, commencing in 1964, at Applied Magnetics Corp., a disk drive and data storage company. Prior to his retirement from Applied Magnetics in 1994, Mr. Fundingsland served as an Executive Officer and Vice President of Sales and Marketing for 11 years directing sales growth from \$50 million to over \$550 million. Commencing in 1993 through 2003 Mr. Fundingsland served as a member of the board of directors for the International Disk Drive Equipment Manufacturers Association "IDEMA" where he retired emeritus, and continues to serve as an advisor to the board. For the last thirteen (13) years, Mr. Fundingsland has provided consulting services assisting with sales, marketing, and management to a host of companies within the disk drive, optical, software, and LED industries.

**Dr. Michael A. Russak, became a Director of the Company November 2007**

Dr. Russak is also a member of the Company's Scientific Advisory Board. Dr. Michael A. Russak has been working as a consultant in the hard disk drive and photovoltaic industries since Jan 2007. He is also currently the Executive Director of IDEMA-U.S. (the hard disk drive industry trade association) and a member of the Board of Directors and Scientific Advisory Board of XsunX, Inc. From 2001 to 2006 he was President and Chief Technical Officer of Komag, Inc., a manufacturer of hard magnetic recording disks for hard disk drive applications. From 1993 to 2001 he was Chief Technical Officer of HMT Technology, Inc. also a manufacturer of magnetic recording disks. From 1985 to 1993 he was a research staff member and program manager in the Research Division of the IBM Corporation. Dr. Russak has over thirty five years of industrial experience progressing from a research scientist to senior executive officer of two public companies. He has expertise in thin film materials and devices for magnetic recording, photovoltaic, solar thermal applications, semiconductor devices as well as glass, glass-ceramic and ceramic materials. He also has over twelve years experience at the executive management level of public companies with significant off shore development and manufacturing functions. He received his B.S. in Ceramic Engineering in 1968 and Ph.D. in Materials Science in 1971, both from Rutgers University in New Brunswick, NJ. During his career, he has been a contributing scientist and program manager at the Grumman Aerospace Corporation, a Research Staff Member and technical manager in the areas of thin film materials and processes at the Research Division of the IBM Corporation at the T.J. Watson Research Laboratories. In 1993, he joined HMT Technology, a manufacturer of thin film disks for magnetic storage, as Vice President of Research and Development. His responsibilities included new product design and introduction. Dr. Russak became Chief Technical Officer of HMT and held that position until 2000 when HMT merged with Komag Inc. Dr. Russak was appointed President and Chief Technical Officer of the combined company. He continued to set technical, operational and business direction for Komag until his retirement at the end of 2006. He has published over 90 technical papers, and holds 23 U.S. patents.

**Board Committees**

As of September 30, 2007, our Board of Directors had one outside director and did not have any committees. Additional outside directors were appointed in November of 2007. The newly expanded Board of Directors intends to appoint committees as necessary.

**Director Independence**

The following directors are independent: Thomas Anderson, Oz Fundingsland and Michael Russak.

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The following director is not independent: Tom Djokovich.

The Company uses the following standards for determining independence of its directors:

- They must not have been employed by the Company at anytime during the past three (3) years.
- They must not be a family member of anyone who is or who has been an executive officer of the Company within the past three (3) years.
- They or their family members must not have received in excess of \$120,000 from the Company, except for board fees, for the current fiscal year or the last three (3) fiscal years.
- They or their family members did not work on the Company's audit as part of the Company's independent auditors in the current year or past three (3) years.
- They or their family members must not in the current or past three years be a partner, controlling shareholder or executive officer of an organization that receives more than \$200,000 or five percent (5%) of the Company's gross revenue.
- They or their family members must not be employed as an executive officer of another company on which any of the Company's executive officers serve or has served in the past three (3) years on the compensation committee.
- Additionally, the independence of a director is evaluated by the Company based on all relationships that the director or family members have with the Company and the executive officers. Transaction independence is evaluated on a case-by-case basis using these criteria.

**SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT**

The following table sets forth, as of the date of this Prospectus, the number of shares of common stock owned of record and beneficially by executive officers, directors and persons who hold five percent (5%) or more of the outstanding common stock of the Company as of April 16, 2008. Also included are the shares held by all executive officers and directors as a group. Unless otherwise indicated, the address of each beneficial owner listed below is c/o XsunX, Inc., 65 Enterprise, Aliso Viejo, California 92656.

| <b>Stockholders/<br/>Beneficial Owners</b>                      | <b>Number Of<br/>Shares</b> | <b>Ownership<br/>Percentage<sup>(1)</sup></b> |
|-----------------------------------------------------------------|-----------------------------|-----------------------------------------------|
| Tom Djokovich <sup>(2)</sup><br>President & Director            | 17,903,000                  | 10.32%                                        |
| Thomas Anderson <sup>(3)</sup><br>Director                      | 1,173,338                   | *                                             |
| Oz Fundingsland <sup>(3)</sup><br>Director                      | 87,671                      | *                                             |
| Michael Russak <sup>(3)</sup><br>Director                       | 101,370                     | *                                             |
| Joseph Grimes <sup>(3)</sup><br>Chief Operating Officer         | 664,000                     | *                                             |
| Jeff Huitt <sup>(3)</sup><br>Chief Financial Officer, Secretary | 200,000                     | *                                             |

All directors and executive officers as a group of (6 persons) account for ownership of 20,133,899 shares representing 11.62% of the issued and outstanding common stock. Each principal stockholder, unless noted otherwise, has sole investment power and sole voting power over the shares.

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\* Represents less than one percent (1%).

(1) Applicable percentage ownership is based on 173,403,188 shares of common stock issued and outstanding as of April 16, 2008. Beneficial ownership is determined in accordance with the rules of the SEC and generally includes voting or investment power with respect to securities. Shares of common stock that are currently exercisable or exercisable within sixty (60) days of April 16, 2008 are deemed to be beneficially owned by the person holding such securities for the purpose of computing the percentage of ownership of such person, but are not treated as outstanding for the purpose of computing the percentage ownership of any other person.

(2) Includes 16,978,000 shares owned by the Djokovich Limited Partnership. Mr. Djokovich shares voting and dispositive power with respect to these shares with Mrs. Tamara Djokovich.

(3) Includes warrants/options that may vest and be exercised within sixty (60) days of the date of April 16, 2008.

## DESCRIPTION OF SECURITIES

### General

Our authorized capital stock consists of 500,000,000 shares of common stock at a no par value and 50,000,000 shares of preferred stock at a par value of \$0.01 per share ("Preferred Stock"). There are no provisions in our Articles of Incorporation or Bylaws that would delay, defer or prevent a change in our control.

### Common Stock

As of April 16, 2008, 173,403,188 shares of common stock are issued and outstanding and held by approximately 1,456 stockholders. Holders of our common stock are entitled to one (1) vote for each share on all matters submitted to a stockholder vote.

Holders of common stock do not have cumulative voting rights. Therefore, holders of a majority of the shares of common stock voting for the election of directors can elect all of the directors. Holders of our common stock representing a majority of the voting power of our capital stock issued and outstanding and entitled to vote, represented in person or by proxy, are necessary to constitute a quorum at any meeting of our stockholders. A vote by the holders of a majority of our outstanding shares is required to effectuate certain fundamental corporate changes such as liquidation, merger or an amendment to our Articles of Incorporation.

Although there are no provisions in our charter or Bylaws that may delay, defer or prevent a change in control, we are authorized, without stockholder approval, to issue shares of preferred stock that may contain rights or restrictions that could have this effect.

Holders of common stock are entitled to share in all dividends that our Board of Directors, in its discretion, declares from legally available funds. In the event of liquidation, dissolution or winding up, each outstanding share entitles its holder to participate pro rata in all assets that remain after payment of liabilities and after providing for each class of stock, if any, having preference over the common stock. Holders of our common stock have no pre-emptive rights, no conversion rights and there are no redemption provisions applicable to our common stock.

### Preferred Stock

The Company is authorized to issue up to 50,000,000 shares of Preferred Stock. Dividends on the Preferred Stock may be declared from time to time by our Board of Directors. The Preferred Shares are entitled to a preference over holders of the Company's common stock equal to the par value of the shares of Preferred Stock held, plus any unpaid dividends declared. As of April 16, 2008, no shares of Preferred Stock had been issued.

### Dividends

We have never declared or paid any cash dividends on shares of our capital stock. We currently intend to retain earnings, if any, to fund the development and growth of our business and do not anticipate paying cash dividends in the foreseeable future. Our payment of any future dividends will be at the discretion of our Board of Directors after taking into account various factors, including our financial condition, operating results, cash needs and growth plans.

**INTERESTS OF NAMED EXPERTS AND COUNSEL**

**LEGAL MATTERS**

The validity of the shares offered hereby has been opined on for us by Michael Littman Esq. No expert or counsel named in this Prospectus as having prepared or certified any part of this Prospectus or having given an opinion upon the validity of the securities being registered or upon other legal matters in connection with the registration or offering of the common stock was employed on a contingency basis, or had, or is to receive, in connection with the offering, a substantial interest, direct or indirect, in the registrant or any of its parents or subsidiaries. Nor was any such person connected with the registrant or any of its parents or subsidiaries as a promoter, managing or principal underwriter, voting trustee, director, officer or employee.

The financial statements for the years ended September 30, 2007, 2006 and 2005 included in this Prospectus have been audited by Jaspers + Hall, PC, independent registered public accounting firm, to the extent and for the periods set forth in their report elsewhere herein, and are included in reliance upon such report given upon the authority of said firm as experts in auditing and accounting.

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**DISCLOSURE OF COMMISSION POSTION  
OF INDEMNIFICATION FOR SECURITIES ACT LIABILITIES**

Directors and officers are indemnified as provided by the Colorado Statutes and our Bylaws. We have been advised that in the opinion of the SEC indemnification for liabilities arising under the Securities Act is against public policy as expressed in the Securities Act, and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities is asserted by one of our directors, officers, or controlling persons in connection with the securities being registered, we will, unless in the opinion of our legal counsel the matter has been settled by controlling precedent, submit the question whether such indemnification is against public policy to a court of appropriate jurisdiction. We will then be governed by the court's decision.

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## DESCRIPTION OF BUSINESS

### Business Overview

XsunX is a development stage company with no significant sources of revenue to date. We are a thin-film photovoltaic ("TFPV") company that intends to grow its business by manufacturing TFPV amorphous solar modules and selling them into what we believe is a high growth solar market opportunity. Our decision to pursue this strategy is based on our three years of research in the design and use of technologies for the manufacture of TFPV solar cells utilizing amorphous silicon. During this time we have developed the technical capabilities, qualified core staff, and market understanding that we believe will be necessary to establish product manufacturing infrastructure and take our product to market.

We have designed a TFPV solar module which we believe will deliver an average of 125 peak watts. To produce solar modules in commercial quantities we intend to process glass substrates within a proprietary semiconductor manufacturing system which employs the design of a high-throughput, automated, continuous process. We believe that the design of our TFPV module and manufacturing system can deliver per watt costs significantly less than those of traditional crystalline silicon solar module manufacturers, and allow us to market TFPV modules that will be highly competitive with other thin film offerings.

Currently, we do not have a manufacturing facility. Our plan for growth is to build and operate a TFPV solar module manufacturing facility in the state of Oregon. Employing a phased roll-out of manufacturing capacities, we anticipate completing the assembly and installation of a small scale production research and development system and initiating construction of our first full scale 25 MW system in 2008. Barring assembly delays, we anticipate completing the assembly of and commissioning our first 25MW line between December 2008 and February 2009. Near the end of the 2008 calendar year, we plan to launch the build-out of the first of three additional 25 MW systems necessary to eventually bring our capacity to 100 MW by early 2010.

On April 1, 2008, the Company signed a sub-lease ("Lease Agreement") for approximately Ninety Thousand (90,000) square feet of manufacturing facilities located at 23365 NE Halsey Street, Wood Village, Oregon, U.S.A. The purpose of the Lease Agreement was to establish facilities necessary for the installation and operation of the Company's planned thin film solar module manufacturing operations. The Lease Agreement requires that the Company post a security deposit letter of credit in the amount of \$106,000 and a letter of credit in an amount to be determined for 125% of the value for the removal of any improvements performed to the structure by the Company.

Under the terms of Lease Agreement, and conditions precedent to the commencement of the lease, the parties will work together to finalize a scope of work for the removal of certain current building improvements and negotiate for the purchase by the Company of certain industrial equipment by the 25th of April, 2008, submit the sublease agreement to the master landlord for sublet approval for which master landlord has fifteen (15) days to respond and sub-landlord, from whom the Company will be leasing the premises, is required to provide an environmental site assessment report to the Company by May 15, 2008 to determine whether any environmental hazards are present requiring abatement. In the event that environmental hazards are found, or if in the opinion of the Company that such hazards render the premises unsuitable for use, the Company may terminate the Lease Agreement without obligation. There can be no assurance that the above conditions precedent to the commencement of the lease will be completed to the satisfaction of the parties.

The Lease Agreement provides for the sub-landlord to complete demolition of demising walls, fixtures, floor coverings, and general removal of mutually agreed to items by July 30, 2008. During this time, the Company will be allowed access to the premises to initiate preparation efforts for its manufacturing systems. Completion of sub-landlord work and the commencement date of the lease are scheduled for on or before July 31, 2008. The term of the Lease Agreement with the sub-landlord provides for occupancy through July 31, 2011. Thereafter, should the

Company elect to continue to occupy the premises, the Company will be required to have established continued lease arrangements with the master landlord. Specific term and lease payment schedule is as follows:

| <b>Each Month During The Time Period:</b> | <b>Monthly Basic Rent Payable With Respect To Each Month During The Subject Time Period:</b> |
|-------------------------------------------|----------------------------------------------------------------------------------------------|
| Commencement Date to July 31, 2009        | \$53,000.00                                                                                  |
| August 1, 2009 to July 31, 2010           | \$54,060.00                                                                                  |
| August 1, 2010 to July 31, 2011           | \$55,141.20                                                                                  |

## Markets

We believe the solar market represents a high growth opportunity nationally and internationally, both currently and into the foreseeable future. The global demand for electrical energy has experienced significant growth due to growth in populations and the economic vitality of emerging economies. This has created a growing need to diversify and establish new sources of electrical production, and we believe has created tremendous opportunities for growth in the solar market. Within the markets for solar products we anticipate that growth in demand for solar products based on TFPV technologies will out perform the balance of the solar market.

Macro growth drivers for solar energy production products include political support and government subsidies, high energy prices, technical progress having led to cost reductions in manufacturing techniques, and advantages over other renewable energy sources including:

- Proven, commercialized and widely used solar technologies adapting to a host of applications
  - Negligible environmental impact
  - Reliability, little or no delivery risk
- Maximum power generation coincides with peak energy demands
  - Potential for distributed point of use generation

Growth drivers that we believe may allow TFPV to outpace the balance of the solar market include:

- Highly scalable and automated manufacturing processes

- Lower material costs and fewer constraints to sufficient material supplies
- Lower per watt production costs for solar cells and integrated solar modules

Driving our solar module manufacturing plan is what we believe to be the ability to capitalize on long term growth in solar spurred by increasing electrical energy costs and demand. Large markets are developing for commercial operators of private solar farms, utilities meeting green mandates, government subsidized installations, and operators of large commercial and industrial properties. These projects represent large installations typically approaching 1MW or more.

While we believe that the market conditions are excellent for all producers of solar products, we intend to deliver thin film solar products that provide extra value in performance and cost.

## **Products**

### ***Solar Modules***

In designing our XsunX ASI-120 module, we interviewed solar systems integrators and developed a design that we believe provides for a module delivering high power output (relative to other thin films), and size and framing that would allow for the use of many existing mounting systems. In doing so, we believe our modules strike a balance between higher rated power silicon wafer modules and lower rated power thin film modules. Further, we believe the market will dictate retail installed pricing. Systems integrators will look to sell installed watts at market dictated prices, and after accounting for certain fixed installation costs inherent to each of the different solar technologies, they will drive pricing per watt for factory delivered modules to compensate for any added installation costs when using certain technologies.

We have focused on the development of thin film amorphous technologies and products due to what we perceive as inherent advantages of amorphous silicon over other solar absorbers in regards to conversion efficiencies. Amorphous silicon produces more power earlier in the day and later into the evening because it requires less incident light than many other technologies. Amorphous silicon also exhibits less thermal coefficient degradation effects when operating in hot climates. In contrast, other thin film and conventional silicon wafer technologies degrade at significant rates of approximately 10% to 20% conversion loss of peak rated performance when operating at normal temperatures of 65 degrees centigrade.

We plan to deposit two separate solar cell layers of a thin film solar absorbing compound called amorphous silicon on to a glass substrate. We have designed the use of two layers of amorphous silicon to increase the amount of absorbed and converted solar energy in our modules. Based on previous experimental and limited commercial use of our thin film deposition recipes, we anticipate the finished solar module to produce 7.9% frame to frame efficiency delivering approximately 125 peak watts of direct current “DC” power. We believe that we may be able to improve conversion efficiencies through the use of derivative forms of amorphous and other proprietary cell structures.

The specific dimensions and characteristics of the solar module design are as follows:

### **Physical Characteristics of Modules**

Dimensions – 100 x 160 x 5cm (39 x 69 x 2in)

Weight – 13.6 kg (30 lb.)

### **Maximum Temperature Ratings of Modules**

Operating Temperature – -40 to 180°F

**Electrical Characteristics of Modules**

Cell Spacing – 1.2cm

Number of Cells per Module – 82

Maximum Power Point Voltage,  $V_{mpp}$  – 2 Strings, 50V ea or 100V

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§ Maximum Power Point Current,  $I_{mpp}$  – 1.27 A/string, 2.54 A/parallel

§ Maximum Power,  $P_{max}$  – 120 watts

§ Module Efficiency, Total Area – 7.9%

We anticipate that we can present the superior per-rated-watt-performance of amorphous in “real world” operating conditions as a competitive strength over the factory-rated performance of various other solar technologies. We believe these factors will influence the purchasing decision process of large solar power farms and utility size installations.

### ***Product Competitive Strengths***

Other product and manufacturing design strengths that may allow us to become a competitive force within the solar energy industry and the broader electric power industry include:

***Cost-per-Watt Advantage.*** We contend the design of our solar module and our vertical, in-line, continuous process production system may allow us to take advantage of economies of scale and accelerate development cycles, enabling possible further reductions in our manufacturing costs per watt. As we introduce planned manufacturing efficiency gains, we anticipate our per watt production costs to fall from initially \$1.58 in 2008 to approximately \$1.19 per watt by 2011. We believe this pricing will continue to be significantly less than the costs of crystalline silicon solar modules. As we mature and integrate new cell designs and materials, we believe the opportunity exists to drive cell performance above 8% and deliver wholesale costs per watt approaching \$1 per watt or less.

***Stable Material Availability.*** Our planned operations are not impacted by the current shortage of polysilicon (a key raw material for conventional non thin film solar module products) that is affecting most of our competitors through higher costs and limited availability. The key raw materials to be used in our solar module design are low iron tempered glass, high purity industrial gases such as argon, nitrogen, hydrogen, silane and germane, and extruded aluminum for module framing with polymer materials employed in the encapsulation for weather proofing. We believe we have adequate sources for the supply of these key raw materials and components for our manufacturing needs and in most instances, have selected multiple source suppliers. As we begin to scale manufacturing efforts, we may single out certain key suppliers to enhance efficiency, cost and quality. The cost of certain raw materials may rise over the next several years and we intend to actively manage these costs through purchasing strategies, product design, and operating improvements.

***Non-Toxic Finished Product.*** The design of our amorphous solar module transfers no heavy metals or toxic compounds in the finished product. Conventional polysilicon solar modules contain lead based cell interconnections and thin films such as cadmium telluride (CdTe) and copper indium gallium selenide (CIGS) contain toxic materials in the finished product.

***Large Area, High Power Delivery Module Design.*** Our intent and execution plan is to work on establishing the most efficient way to deliver a commercially viable solar module at competitive price points as opposed to focusing strictly on how to increase energy conversion efficiencies of the solar cell. Our solar module is based on established module designs and well known manufacturing processes necessary to deliver a large area, TFPV module producing what we believe to be nearly twice the rated power delivery per module of other thin film offerings. We believe this design will require fewer solar panels per installation compared to the use of other thin film systems, thereby reducing the overall costs associated with mounting, installation, wiring and interconnection of fewer parts and pieces.

***Knowledgeable System Component Vendor Base.*** Amorphous TFPV benefits from nearly thirty years of process development and research, which has produced a knowledgeable and experienced vendor base. These vendors provide

access to improved semiconductor device technologies resulting in improvements to manufacturing processes in related areas such as thin film transistors, memory devices, and high performance opto-electric coatings. We have engaged a select group of these vendors and established a primary and secondary vendor for each major system component.

***Certifications***

We have selected components for use in our TFPV solar module that have previously been tested by Underwriters Laboratories (UL) and approved for use in the manufacture of solar modules. We plan to submit these materials, and a full scale working sample of our TFPV module, to UL for the purpose of receiving UL certification 1703 in the 2008 period. Upon completion of initial module production capabilities we plan to submit modules for participation in laboratory and field tests with the National Renewable Energy Laboratory, the Fraunhofer Institute for Solar Energy.

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We plan to work to achieve and maintain all certifications required to sell solar modules in the markets we plan or expect to serve, including UL 1703, IEC 61646, TÜV Safety Class II and CE.

### **Planned Manufacturing Capacities**

#### ***Production Line Features***

The core feature of our plan revolves around the design of an efficient mass production system. The design utilizes an in-line vertical glass coating system processing two balanced and independent lines simultaneously. This design incorporates material handling, cell deposition, laser segmentation, cleaning, and module packaging functions necessary to convert an inexpensive piece of 100cm X 160cm sheet glass into a complete solar module in less than three hours. Our process uses only a fraction of the semiconductor material that would be necessary to produce crystalline silicon solar modules.

#### ***Planned Manufacturing Facilities***

We plan to assemble and operate our initial 25 MW production line within leased single level, commercial manufacturing type facilities of approximately sixty five thousand square feet (65,000 sq. ft.) or more. Our production line requires that we prepare and install service for electrical, water, compressed air, and industrial gases to our machines. These improvements are specific to the support of our manufacturing systems. We plan to establish material and finished product shipping and receiving capabilities within the same facility to support the material requirements for production, and the inventory and shipment of our finished solar modules.

In preparation for the establishment of our thin film solar module manufacturing facility, we have been engaged in a detailed search for an appropriate building. On April 1, 2008, the Company signed a sub-lease ("Lease Agreement") for approximately Ninety Thousand (90,000) square feet of manufacturing facilities located at 23365 NE Halsey Street, Wood Village, Oregon, U.S.A. The purpose of the Lease Agreement was to establish facilities necessary for the installation and operation of the Company's planned thin film solar module manufacturing operations. The Lease Agreement requires that the Company post a security deposit letter of credit in the amount of \$106,000 and a letter of credit in an amount to be determined for 125% of the value for the removal of any improvements performed to the structure by the Company.

Under the terms of Lease Agreement, and conditions precedent to the commencement of the lease, the parties will work together to finalize a scope of work for the removal of certain current building improvements and negotiate for the purchase by the Company of certain industrial equipment by the 25th of April, 2008, submit the sublease agreement to the master landlord for sublet approval for which master landlord has fifteen (15) days to respond and sub-landlord, from whom the company will be leasing the premises, is required to provide an environmental site assessment report to the Company by May 15, 2008 to determine whether any environmental hazards are present requiring abatement. In the event that environmental hazards are found, or if in the opinion of the Company that such hazards render the premises unsuitable for use, the Company may terminate the Lease Agreement without obligation. There can be no assurance that the above conditions precedent to the commencement of the lease will be completed to the satisfaction of the parties.

The Lease Agreement provides for the sub-landlord to complete demolition of demising walls, fixtures, floor coverings, and general removal of mutually agreed to items by July 30, 2008. During this time, the Company will be allowed access to the premises to initiate preparation efforts for its manufacturing systems. Completion of sub-landlord work and the commencement date of the lease are scheduled for on or before July 31, 2008. The term of the Lease Agreement with the sub-landlord provides for occupancy through July 31, 2011. Thereafter, should the Company elect to continue to occupy the premises, the Company will be required to have established continued lease arrangements with the master landlord. Specific term and lease payment schedule is as follows:

|                                               |                                                                                                      |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>Each Month During The Time<br/>Period:</b> | <b>Monthly Basic Rent Payable With<br/>Respect To Each Month<br/>During The Subject Time Period:</b> |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------|

|                                       |             |
|---------------------------------------|-------------|
| Commencement Date to July 31,<br>2009 | \$53,000.00 |
|---------------------------------------|-------------|

|                                 |             |
|---------------------------------|-------------|
| August 1, 2009 to July 31, 2010 | \$54,060.00 |
|---------------------------------|-------------|

|                                 |             |
|---------------------------------|-------------|
| August 1, 2010 to July 31, 2011 | \$55,141.20 |
|---------------------------------|-------------|

In addition to current efforts to finalize a manufacturing facility lease, the Company has also begun placing orders for the major system components necessary to build its planned solar module manufacturing line. To date, orders have been placed for plasma deposition systems, sputtering systems, and lasers systems. These major components, along with other minor subsystems, are scheduled to begin arriving later this year.

***Phased Production Build Out and Planned Capacities***

In the 2008 calendar year, we anticipate completing the assembly and installation of a small production research and development system and initiating construction of our first full scale 25 MW system. Barring assembly delays, we anticipate completing the assembly of and commissioning our first 25MW line between December 2008 and February 2009. Near the end of the 2008 calendar year, we plan to launch the build-out of the first of three additional 25 MW systems necessary to eventually bring our capacity to 100 MW. Barring assembly delays, we anticipate completing the assembly of the first of these additional lines in November 2009, the second in January 2010, and the final 25 MW in March 2010. We intend to use the balance of the 2010 year to continue to work to improve system utilization, add shifts, and increase module yields to bring our production to peak capacities of 100 MW or more of annualized solar module production. To complete each new production line, we plan to use a systematic replication process that is designed to enable us to add production lines rapidly and efficiently, and achieve operating metrics that are comparable to the performance of our initial 25 MW system.

***Production Line Planned Utilization and Production Costs***

Each system, or line, has an estimated annualized initial module production capacity of approximately 25 megawatts, “MW” per annum, based on an initial 58% system utilization (the percentage of system utilization in each 7 day by 24 hour period) and 80% yield (the percentage of product meeting saleable specifications). We plan to ramp-up system utilization and yield to industry standards of 80% & 85% respectively over the course of the first full year of production in 2009, thereby increasing total production capacities per line to an anticipated 33MW. Initial per watt production costs during ramp-up of operations in the 2009 period are anticipated to be \$1.58 per watt. As we improve system utilization and production yield in 2009, we anticipate our production costs will lower to \$1.38 in 2010 and \$1.19 in 2011. By continuing to expand production and improve solar energy conversion efficiencies and manufacturing processes, we believe we can further reduce our manufacturing costs per watt and improve our cost advantage over traditional crystalline silicon solar module manufacturers.

At present, the majority of our operations development efforts for the period ending September 2008 and the foreseeable future thereafter will focus on establishing and expanding facilities necessary to manufacture our TFPV solar modules for commercial sale. Areas of specific focus and capital expenditures include:

- (a) Lease and preparation of facilities necessary to house and operate, at minimum, our first of four proposed 25MW manufacturing lines; and
- (b) Establishment of a baseline production system to produce full size (100cm x 160cm) sample modules; and
- (c) The placement of orders with selected vendors for the core and sub-system components necessary to begin assembly leading to the commissioning of the first of four proposed 25MW manufacturing lines; and
- (d) Continued R&D efforts to establish enhanced solar cell deposition methods and reduce manufacturing costs.

The purpose of these ongoing investments is to first establish a base TFPV solar module manufacturing infrastructure necessary to produce approximately 25MW of annualized solar module production, and second, to establish a replication process designed to enable us to add the balance of our proposed three additional production lines as rapidly and efficiently as possible.

The following chart summarizes our planned initial production capacity and installation timing:

| Manufacturing Facility           | Number of<br>Production Lines | Initial Annualized<br>Solar Modules* | Anticipated System           |                       |
|----------------------------------|-------------------------------|--------------------------------------|------------------------------|-----------------------|
|                                  |                               |                                      | Initial Annualized<br>Watts* | Commissioning<br>Date |
| 1st line                         | 1                             | 190,000                              | 25MW                         | Dec 2008              |
| Addition of 2 <sup>nd</sup> line | 1                             | 190,000                              | 25MW                         | Nov 2009              |
| Addition of 3 <sup>rd</sup> line | 1                             | 190,000                              | 25MW                         | Jan 2010              |
| Addition of 4 <sup>th</sup> line | 1                             | 190,000                              | 25MW                         | Mar 2010              |
| Total Planned:                   | 4                             | 760,000                              | 100MW                        |                       |

\*Annualized solar module production rates are based on an initial system utilization rate of 58% (the percentage of system utilization in each 7 day by 24 hour period) and 80% yield (the percentage of product meeting saleable specifications). We plan to ramp-up system utilization and yield to industry standards of 80% & 85% respectively over the course of the first full year of production of each system. We anticipate that due to normal production variables we will produce on average marketable solar modules ranging from between 115 to 130 watts each.

### Sales and Marketing

Driving our solar module manufacturing plan is what we believe to be the ability to capitalize on long term growth in solar spurred by increasing electrical energy costs and demand. Large markets are developing for commercial operators of private solar farms, utilities meeting green mandates, government subsidized installations, and operators of large commercial and industrial properties. These projects represent large installations typically approaching 1MW or more.

Solar systems installers looking to satisfy the module needs of these large and long term projects are looking for opportunities to secure access to modules supplies. We believe that the design and performance of our solar module is ideally suited for use in these project types, and we further believe that our module production capacities can be pre-sold well into the future.



## Target Markets

Our primary target markets for our TFPV solar modules will be applications for On-Grid (facilities tied to conventional power distribution infrastructure) application of 1MW in size and above. Typical applications and buyers would include:

|   |                                                                    |
|---|--------------------------------------------------------------------|
|   | Solar Farms                                                        |
| – | License Holders in Germany, Spain & Canada                         |
| – | US installers servicing commercial and utility scale installations |
|   | Government Agencies (DOD)                                          |
| – | Bureau of Land Management                                          |
| – | Department of Defense                                              |
|   | Power Purchase Agreements                                          |
| – | Renewable Ventures                                                 |
|   | Utility Companies                                                  |
| – | Meeting Green Mandates                                             |
|   | Large Commercial Installations                                     |

## Pricing

Our analysis made in predicting the anticipated sales per watt for module production in the years 2009, 2010, and 2011 was based on several factors. These factors included a review of pricing of both crystalline and thin film per watt sales trends for the previous several years including 2007 pricing trends. Trends were primarily derived from pricing surveys conducted by interviews and from an industry watch firm named SolarBuzz.com. The following pricing of both crystalline and thin film for September 2007 was produced by SolarBuzz.com:

*“The lowest retail price for a multicrystalline solar module is \$4.11 per watt (€3.00 per watt) from a US retailer. The lowest retail price for a monocrystalline module is \$4.30 per watt (€3.14 per watt), also from a US retailer.” And “The lowest thin film module price is at \$3.49 per watt (€2.55/Wp) per watt from a European retailer. As a general rule, it is typical to expect thin film modules to be at a price discount to crystalline silicon (for like module powers). This thin film price is represented by a 60 watt module.”*

The pricing in the thin film category represents modules below 100 watts of stated peak power. Specifically, modules producing total peak power of only 60 watts were priced lowest at \$3.49 per watt.

XsunX determined that a key driver in the lower price point for most thin film in relation to crystalline modules was the discount value assigned to the lower total power output per module requiring more modules per installation. As an example, if a 10 kW project were to employ the use of 65watt cadmium telluride (CdTe) or copper indium gallium selenide (CIGS) modules as opposed to 125 watt amorphous silicon (a-Si) modules, the required number of modules necessary for installation would be approximately 70 more units. Additional units may also be necessary to compensate for thermal coefficient performance loss of a CdTe or CIGS solar cell resulting in power production loss from heat at normal operating temperatures\*. In our estimate, this may bring the total number of additional units to an excess of 70 more 65 watt modules for the same project than with the use of a 125 watt amorphous module. To an installer/integrator, the use of more modules would increase overall balance of systems (BOS) cost due to increased labor, mounting hardware, and interconnection cost. We believe that integrators may demand lower per watt price points for certain modules over others as a result of these additional system costs.

In developing price points for the XsunX ASI-120 module, we determined that the rated power output of our device struck a balance between higher energy density crystalline modules and the lower power 60 to 75 watt products offered by other TFPV manufactures such as First Solar, Sharp, and ECD. The following chart reviews our factory per

watt pricing assumptions based on integrator interviews, industry publications, and our manufacturing cost assumptions.

| Period | Crystalline | Thin-Film <100 watt | XsunX Thin Film >120 watt |
|--------|-------------|---------------------|---------------------------|
| 2009   | \$ 3.25     | \$ 2.25             | \$ 2.60                   |
| 2010   | \$ 3.00     | \$ 2.00             | \$ 2.40                   |
| 2011   | \$ 2.90     | \$ 1.75             | \$ 2.00                   |

**\*NOTE:** Solar technologies such as silicon wafer, CdTe, and CIGS exhibit performance loss due to heat. While the factory rated “Peak” power is determined at 25 degrees centigrade, real world operating temperatures average 65 degrees centigrade. This potential 40 degree increase can affect different solar technologies in varying percentages of approximately ¼ to ½ percent per degree in conversion efficiency. This results in an approximate reduction in efficiency at the “Peak” period (noon) of about 10% to 20%. To place this in perspective, a 100 watt module (silicon wafer, CdTe, CIGS) would deliver approximately 90 to 80 watts of power during the peak periods while operating at 65 degrees centigrade. Amorphous silicon does not experience the same degree of performance degradation, realizing only about 3% or less performance loss.

## ***Sales & Distribution***

In anticipation of commercial production, we have developed a pre-sales reservation program, based upon the solar module manufacturing industry's policy of pre-selling manufacturing capacity to system installers and large users of solar. This is intended to aid in building a sales channel, loading that channel with customers interested in purchasing our future module production, and developing brand presence and recognition as early as possible. The program enables qualified, interested parties to specify the amount of solar module capacity they anticipate purchasing at favorable per watt pricing. As of the date of this report, we have signed reservation agreements with five (5) solar system integrators indicating interest in 145 MW of production in calendar 2009, 2010 and 2011. Our agreements provide for the payment of a five percent (5%) deposit based on the 2009 calendar year purchase commitment either prior to, or not later than, 30 days after the delivery by XsunX to the reserving party of commercial samples for evaluation. The information in this paragraph is designed to summarize the general terms of the pre-sales reservation program and market opportunities. It is not intended to provide guidance about our future operating results, including revenues or profitability.

## **Product and Technology Development**

Since our initial reorganization in October 2003 through the second period ended March 2007, we have focused the majority of our operational budgets towards the development of technological infrastructure, research and development of solar cell device types and manufacturing techniques, and the licensure of certain patented and patent pending technologies related to solar cell devices and manufacturing techniques. We focused on the solar cell structure and thin film manufacturing processes for amorphous and microcrystalline materials. The primary business purpose for these efforts was to establish intellectual property and "know how" that could be sold and/or licensed to third parties for use in the development of their respective solar product businesses. Over this period, we committed approximately \$4,069,981 towards the above product and technical "know how" development.

In March 2007, we re-evaluated our business development and technology plans and launched efforts to prepare a plan to grow XsunX through the manufacturing and sales of TFPV solar modules. Our proposed expansion into solar module manufacturing required that we develop additional technical expertise in the areas of large area cell integration and packaging techniques necessary to produce commercially viable solar modules. Between March 2007 and the period ended September 30, 2007 we focused on the development of a TFPV solar module design, an integrated manufacturing and assembly line, attracting government incentive programs to offset start-up and initial operations costs of our proposed facilities, and the qualification of systems and material vendors to supply the manufacturing equipment and materials necessary to establish and operate our proposed manufacturing facilities.

We anticipate that for the foreseeable future the core of our operations and efforts will focus on the establishment of TFPV solar module manufacturing capabilities. Separately, we continue to explore opportunities with parties interested in the licensing and cooperative commercial development and use of our semi-transparent TFPV technologies.

The Company continues to develop additional processes, techniques, and device designs. These research and development efforts may provide the Company with additional proprietary technology that may lead to the filing of new provisional and patent applications.

## **Intellectual Property**

In September 2003 the Company was assigned the rights to three patents as part of an Asset Purchase Agreement with Xoptix Inc., a California corporation. The patents acquired were No. 6,180,871 for Transparent Solar Cell and Method of Fabrication (Device), granted on January 30, 2001; No. 6,320,117 for Transparent Solar Cell and Method of Fabrication (Method of Fabrication), granted on November 20, 2001; and No. 6,509,204 for Transparent Solar Cell

and Method of Fabrication (formed with a Schottky barrier diode and method of its manufacture), granted on January 21, 2003.

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XsunX licensed the patent and technology portfolio of MVSystems, Inc., a Colorado corporation (“MVSystems”) in September 2004 and then later expanded our use rights under the license in October 2005. The patents acquired were Semiconductor Vacuum Deposition System And Method Having A Reel-To-Reel Substrate Cassette: US6, 258,408 B1: July 10th, 2001 (Method of Fabrication); and US Provisional Patent Application serial number 60/536,151- three terminal and four terminal solar cells, solar cell panels, and method of manufacture (Device and Method of Fabrication). The license granted XsunX the royalty free exclusive rights for use by XsunX in its pursuit to establish a commercially viable process for the manufacture of TFPV solar cells and accordingly, included all MVSystems technology, know how, and resources which are part of or related to the licensed patents and technology that was then or may become applicable or beneficial to the furtherance of the business objectives of XsunX in the future. The license was exclusive as to technology pertaining to the XsunX field of use as it pertains to the business of developing, commercializing and licensing processes for the manufacture of solar cells or photovoltaic technologies.

Effective January 1, 2007 we entered into a cooperative development agreement with Sencera, LLC for the licensure and development of a Sencera patent pending plasma source for use in the manufacture of deposited thin-film solar cells. Under the terms of the agreement, XsunX and Sencera entered into a Technology Development and License Agreement, providing for a phased program to further develop and proof the Sencera plasma source for use in the manufacture of deposited thin-film solar cells. In connection with the agreement, Sencera issued XsunX a seven (7) year royalty based license that provides XsunX with exclusivity in the area of the XsunX field of use as claimed in U.S. Patent No. 6,180,871; 6,320,117; 6,509,204; 6,488,777; 6,258,408; 6,472,622; and (b) as claimed in U.S. Provisional Application No. 60/536,151; and (c) for use in semi-transparent photovoltaic devices, multi-terminal photovoltaic devices, and cassette-based roll-to-roll manufacturing equipment.

The Company continues to develop additional processes, techniques, and device designs. These research and development efforts may provide the Company with additional proprietary technology that may lead to the filing of new provisional and patent applications.

### **Company History**

XsunX is a Colorado corporation formerly known as Sun River Mining Inc. “Sun River”). The Company was originally incorporated in Colorado on February 25, 1997. Effective September 24, 2003, the Company completed a Plan of Reorganization and Asset Purchase Agreement (the “Plan”).

Pursuant to the Plan, the Company acquired the following three patents from Xoptix, Inc., a California corporation for Seventy Million (70,000,000) shares of common stock (post reverse split one for twenty): No. 6,180,871 for Transparent Solar Cell and Method of Fabrication (Device), granted on January 30, 2001; No. 6,320,117 for Transparent Solar Cell and Method of Fabrication (Method of Fabrication), granted on November 20, 2001; and No. 6,509,204 for Transparent Solar Cell and Method of Fabrication (formed with a Schottky barrier diode and method of its manufacture), granted on January 21, 2003.

Pursuant to the Plan, the Company authorized the issuance of 110,530,000 (post reverse split) common shares. Prior to the Plan the Company had no tangible assets and insignificant liabilities. Subsequent to the Plan, the Company completed its name change from Sun River Mining, Inc. to XsunX, Inc. The transaction was completed on September 30, 2003.

### **Government Contracts**

There are no government contracts at this time.

### **Competitive Conditions**

Currently, management is aware of other amorphous silicon and thin film products similar to those proposed for manufacture by us on the market. Although similar in respect to the operation and use of these technologies, the Company believes the design of our large area TFPV solar module delivering 125 watts of DC power provides marketable improvements over other thin film products offering less total power output per module technologies. We believe our design will require fewer TFPV solar panels per installation compared to the use of other thin film systems, thereby reducing the overall costs associated with mounting, installation, wiring, and interconnection of fewer parts and pieces.

However, a number of solar cell technologies have and are being developed by other companies. Such technologies include amorphous silicon, cadmium telluride, copper-indium-gallium-selenide (CIGS), and copper indium diselenide as well as advanced concepts in thin film crystalline silicon, and the use of organic materials. Given the benefit of time, investment, and advances in manufacturing technologies any of these competing technologies may be offered in formats delivering power similar or greater to our design, and they may also achieve manufacturing costs per watt lower than our cost per watt to manufacture a TFPV solar module.

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In accessing the principal competitive factors in the market for solar electric power products, we use price per watt, stability and reliability, conversion efficiency, diversity in use applications, and other performance metrics such as scalability of manufacturing processes and the ability to adapt new technologies into cell designs and the manufacturing process without antiquation of existing infrastructure. If we do not compete successfully with respect to these or other factors, it could materially and adversely affect our business, results of operations, and financial condition.

A number of large companies are actively engaged in the development, manufacturing and marketing of solar electric power products. The five largest TFPV cell suppliers are Q-Cells Shell Solar, Sharp Corporation, BP Solar, Kyocera Corporation, First Solar, and Energy Conversion Devices, which together supply the significant portion of the current TFPV market. All of these companies have greater resources to devote to research, development, manufacturing and marketing than we do.

Other competitive factors lie in the current use of other clean, renewable energy technologies such as wind, ocean thermal, ocean tidal, and geo-thermal power sources and conventional fossil fuel based technologies for the production of electricity. We expect our primary competition will be within the solar cell marketplace itself. Barriers to entering the solar cell manufacturing industry include the technical know-how required to produce solar cells that maintain acceptable efficiency rates, the design of efficient and scalable manufacturing processes, and access to necessary manufacturing infrastructure.

### **Compliance with Environmental Laws and Regulations**

The operations of the Company are subject to local, state and federal laws and regulations governing environmental quality and pollution control. To date, compliance with these regulations by the Company has had no material effect on the Company's operations, capital, earnings, or competitive position, and the cost of such compliance has not been material. The Company is unable to assess or predict at this time what effect additional regulations or legislation could have on its activities.

### **Employees and Consultants**

The Company is a development stage company and as of September 30, 2007 had 6 salaried employees. This represents an increase of 1 employee over the same period ended 2006. The Company also engages several consultants to perform specific functions that otherwise would require an employee. The Company projects that during the next 12 months the Company's workforce is likely to increase to 22, with 2 of the new employees being in Administrative, 2 in Marketing and Sales positions, 5 Scientific and Technical positions, 4 in Manufacturing Technicians, and 3 in Administrative Support. In addition to the anticipated retention of new employees the Company expects to expand its use of strategic relationships to leverage industry expertise in areas of design, systems automation, manufacturing and assembly to augment product commercialization time lines and the delivery of technologies. The Company may find a need to engage additional full-time employees as necessary.

### **Scientific Advisory Board**

In September 2004 the Company established the XsunX Scientific Advisory Board to attract qualified specialists from the fields of material and device engineering. During the fiscal year 2007, the membership of the advisory board was enhanced to reflect the current operational status of the Company. It is anticipated that panel members will be engaged for a period of two years. The qualifications and biographical information for the members of the panel are as follows:

#### **Dr. John J. Moore – Chairman Scientific Advisory Board**

Dr. John J. Moore is a Materials Scientist who currently holds the position of Trustees' Professor and Head of Department of Metallurgical and Materials Engineering at the Colorado School of Mines. Dr. Moore is also Director of the interdisciplinary graduate program in Materials Science and Director of the Advanced Coatings and Surface Engineering Laboratory, ACSEL, at the Colorado School of Mines in Golden. He has been at the Colorado School of Mines since 1989.

Dr. Moore was awarded a B.Sc. in Materials Science and Engineering from the University of Surrey, UK, in 1966, a Ph.D. in Industrial Metallurgy from the University of Birmingham, UK, in 1969, and a D.Eng. from the School of Materials of the University of Birmingham, UK, in 1996. Dr. Moore worked as a Student Apprentice at Stewarts and Lloyds Ltd., UK, from 1962 to 1966, and as Manager of Industrial Engineering and Production Control at Birmid-Qualcast Industries Ltd., UK, the largest die casters in Europe at the time, from 1969 to 1974.

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Prior to his appointment at the Colorado School of Mines, Dr. Moore served as Professor & Head, Department of Chemical and Materials Engineering, University of Auckland, New Zealand, from 1986 to 1989; Professor of Metallurgical Engineering at the University of Minnesota, USA, from 1979 to 1986, and Senior Lecturer of Chemical Metallurgy at Sandwell College, England, from 1974 to 1979.

Dr. Moore has published more than 500 papers in materials science and engineering journals, holds 13 patents, and has been the author or co-author/editor of 9 books. Dr. Moore is a Fellow of the Institute of Materials (UK), a Fellow ASM International, a Fellow of the American Ceramic Society, and a Chartered Engineer, (C.Eng.), in the UK. Dr. Moore is also an Honorary Professor and has been awarded an Honorary Doctorate from the Moscow State Institute of Steels and Alloys, Russia.

**Dr. Richard K. Ahrenkiel, Member Scientific Advisory Board**

Richard K. Ahrenkiel is currently a Research Professor of Metallurgical and Materials Engineering at the Colorado School of Mines in Golden, Colorado. He is also a Consultant and Research Fellow Emeritus at the National Renewable Energy Laboratory (NREL), (formerly the Solar Energy Research Institute) Golden, Colorado, where he worked from 1981 to 2005. He became a Research Fellow at NREL in 2000. His area of specialization is the measurement and characterization of photovoltaic cells and materials. He also works in photovoltaic device design and modeling. He received a B.S. degree in Engineering Physics and the M.S. and Ph.D degrees in Physics at the University of Illinois, Urbana. He joined the staff of the Research Laboratories of the Eastman Kodak Company. From 1972-76, he worked on the newly founded electronic photography project using silicon charge coupled devices as sensing elements. He joined Laser Division of the Los Alamos National Laboratory in 1976 (then LASL), and in 1978, he became a Group Leader in the Electronics Division of LANL. He is a Fellow of the American Physical Society, the Institute of Electrical and Electronic Engineers (IEEE), the American Vacuum Society, and the Optical Society of America.

**Edward T. Yu, Member Scientific Advisory Board**

Edward T. Yu is currently Professor of Electrical and Computer Engineering at the University of California, San Diego (UCSD). He received his A.B. (summa cum laude) and A.M. degrees in Physics from Harvard University in 1986, and his Ph.D. degree in Applied Physics from the California Institute of Technology in 1991. From 1986 to 1989 he was a National Science Foundation Doctoral Fellow, and from 1989 to 1991 he was an AT&T Bell Laboratories Ph.D. Scholar, holding both appointments at Caltech. From 1991 to 1992 he was a Postdoctoral Fellow at the IBM Thomas J. Watson Research Center in Yorktown Heights, NY. From 1992 to 1996 he was Assistant Professor of Electrical and Computer Engineering at UCSD, and from 1996 to 1998 he was Associate Professor. He has held his current appointment as Professor since 1998. Dr. Yu also serves currently as a member of the DARPA Defense Sciences Research Council.

At UCSD Professor Yu directs a research laboratory concerned generally with the characterization, understanding, and application of physical phenomena and of solid-state material and device properties at nanometer to atomic length scales. Current research interests in his group include III-V nitride heterostructure materials and device physics; scanning probe characterization of advanced electronic materials and devices; solid-state nanoscience and nanotechnology; and photovoltaics and other technologies for energy generation. The results of his research have been reported in over 120 refereed journal publications and over 175 conference and seminar presentations.

**Dr. Michael A. Russak, Member Scientific Advisory Board**

Dr. Michael A. Russak has been working as a consultant in the hard disk drive and photovoltaic industries since Jan 2007. He is also currently the Executive Director of IDEMA-U.S. (the hard disk drive industry trade association) and a member of the Board of Directors and Scientific Advisory Board of XsunX, Inc. From 2001 to 2006 he was

President and Chief Technical Officer of Komag, Inc., a manufacturer of hard magnetic recording disks for hard disk drive applications. From 1993 to 2001 he was Chief Technical Officer of HMT Technology, Inc. also a manufacturer of magnetic recording disks. From 1985 to 1993 he was a research staff member and program manager in the Research Division of the IBM Corporation. Dr. Russak has over thirty five years of industrial experience progressing from a research scientist to senior executive officer of two public companies. He has expertise in thin film materials and devices for magnetic recording, photovoltaic, solar thermal applications, semiconductor devices as well as glass, glass-ceramic and ceramic materials. He also has over twelve years experience at the executive management level of public companies with significant off shore development and manufacturing functions. He received his B.S. in Ceramic Engineering in 1968 and Ph.D. in Materials Science in 1971, both from Rutgers University in New Brunswick, NJ. During his career, he has been a contributing scientist and program manager at the Grumman Aerospace Corporation, a Research Staff Member and technical manager in the areas of thin film materials and processes at the Research Division of the IBM Corporation at the T.J. Watson Research Laboratories. In 1993, he joined HMT Technology, a manufacturer of thin film disks for magnetic storage, as Vice President of Research and Development. His responsibilities included new product design and introduction. Dr. Russak became Chief Technical Officer of HMT and held that position until 2000 when HMT merged with Komag Inc. Dr. Russak was appointed President and Chief Technical Officer of the combined company. He continued to set technical, operational and business direction for Komag until his retirement at the end of 2006. He has published over 90 technical papers, and holds 23 U.S. patents.

**Available Information**

Our website address is [www.xsunx.com](http://www.xsunx.com). We make available on our website access to our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and amendments to these reports that we have filed with the SEC. The information found on our website is not part of this or any other report we file with, or furnish to, the SEC.

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## MANAGEMENT'S DISCUSSION AND ANALYSIS OR PLAN OF OPERATION

### Business Overview

XsunX is a development stage company with no significant sources of revenue to date. We are a thin-film photovoltaic ("TFPV") company that intends to grow its business by manufacturing TFPV amorphous solar modules and selling them into what we believe is a high growth solar market opportunity. Our decision to pursue this strategy is based on our three years of research in the design and use of technologies for the manufacture of TFPV solar cells utilizing amorphous silicon. During this time we have developed the technical capabilities, qualified core staff, and market understanding that we believe will be necessary to establish product manufacturing infrastructure and take our product to market.

We have designed a 125 peak watt TFPV solar module utilizing glass substrates and a proprietary semiconductor manufacturing system which employs the design of a high-throughput, automated, continuous process to produce solar modules in commercial quantities. We believe that these key processes can deliver per watt costs significantly less than those of traditional crystalline silicon solar module manufacturers and allow us to market TFPV modules that will be highly competitive with other thin film offerings.

Currently, we do not have a manufacturing facility. Our plan for growth is to build and operate a TFPV solar module manufacturing facility in the state of Oregon. Employing a phased roll-out of manufacturing capacities, we anticipate completing the assembly and installation of a small scale production research and development system and initiating construction of our first full scale 25 MW system in 2008. Barring assembly delays, we anticipate completing the assembly of and commissioning our first 25MW line between December 2008 and February 2009. Near the end of the 2008 calendar year, we plan to launch the build-out of the first of three additional 25 MW systems necessary to eventually bring our capacity to 100 MW by early 2010.

On April 1, 2008, the Company signed a sub-lease ("Lease Agreement") for approximately Ninety Thousand (90,000) square feet of manufacturing facilities located at 23365 NE Halsey Street, Wood Village, Oregon, U.S.A. The purpose of the Lease Agreement was to establish facilities necessary for the installation and operation of the Company's planned thin film solar module manufacturing operations. The Lease Agreement requires that the Company post a security deposit letter of credit in the amount of \$106,000 and a letter of credit in an amount to be determined for 125% of the value for the removal of any improvements performed to the structure by the Company.

Under the terms of Lease Agreement, and conditions precedent to the commencement of the lease, the parties will work together to finalize a scope of work for the removal of certain current building improvements and negotiate for the purchase by the Company of certain industrial equipment by the 25th of April, 2008, submit the sublease agreement to the master landlord for sublet approval for which master landlord has fifteen (15) days to respond and sub-landlord, from whom the Company will be leasing the premises, is required to provide an environmental site assessment report to the Company by May 15, 2008 to determine whether any environmental hazards are present requiring abatement. In the event that environmental hazards are found, or if in the opinion of the Company that such hazards render the premises unsuitable for use, the Company may terminate the Lease Agreement without obligation. There can be no assurance that the above conditions precedent to the commencement of the lease will be completed to the satisfaction of the parties.

The Lease Agreement provides for the sub-landlord to complete demolition of demising walls, fixtures, floor coverings, and general removal of mutually agreed to items by July 30, 2008. During this time, the Company will be allowed access to the premises to initiate preparation efforts for its manufacturing systems. Completion of sub-landlord work and the commencement date of the lease are scheduled for on or before July 31, 2008. The term of the Lease Agreement with the sub-landlord provides for occupancy through July 31, 2011. Thereafter, should the Company elect to continue to occupy the premises, the Company will be required to have established continued lease

arrangements with the master landlord. Specific term and lease payment schedule is as follows:

| <b>Each Month During The Time Period:</b> | <b>Monthly Basic Rent Payable With Respect To Each Month During The Subject Time Period:</b> |
|-------------------------------------------|----------------------------------------------------------------------------------------------|
|-------------------------------------------|----------------------------------------------------------------------------------------------|

|                                    |             |
|------------------------------------|-------------|
| Commencement Date to July 31, 2009 | \$53,000.00 |
|------------------------------------|-------------|

|                                 |             |
|---------------------------------|-------------|
| August 1, 2009 to July 31, 2010 | \$54,060.00 |
|---------------------------------|-------------|

|                                 |             |
|---------------------------------|-------------|
| August 1, 2010 to July 31, 2011 | \$55,141.20 |
|---------------------------------|-------------|

In anticipation of commercial production, we have begun to market our TFPV solar module under the brand name of the XsunX ASI-120. In anticipation of commercial production, we have developed a pre-sales reservation program, based upon the solar module manufacturing industry's policy of pre-selling manufacturing capacity to system installers and large users of solar as is more fully described in the "Sales & Distribution" subsection of the "Sales and Marketing" section herein below. The Company's program enables qualified, interested parties to specify the amount of solar module capacity they anticipate purchasing at favorable per watt pricing. As of the date of this Prospectus, we have signed reservation agreements with five (5) solar system integrators indicating interest in 145 MW of production in calendar 2009, 2010 and 2011.

## Markets

We believe the solar market represents a high growth opportunity nationally and internationally, both currently and into the foreseeable future. The global demand for electrical energy has experienced significant growth due to growth in populations and the economic vitality of emerging economies. This has created a growing need to diversify and establish new sources of electrical production, and we believe has created tremendous opportunities for growth in the solar market. Within the markets for solar products we anticipate that growth in demand for solar products based on TFPV technologies will out perform the balance of the solar market.

Macro growth drivers for solar energy production products include political support and government subsidies, high energy prices, technical progress having led to cost reductions in manufacturing techniques, and advantages over other renewable energy sources including:

- Proven, commercialized and widely used solar technologies adapting to a host of applications:
  - Negligible environmental impact
  - Reliability, little or no delivery risk
  - Maximum power generation coincides with peak energy demands
  - Potential for distributed point of use generation
- Growth drivers that we believe may allow TFPV to outpace the balance of the solar market include:
  - Highly scalable and automated manufacturing processes



- Lower material costs and fewer constraints to sufficient material supplies
- Lower per watt production costs for solar cells and integrated solar modules

Driving our solar module manufacturing plan is what we believe to be the ability to capitalize on long term growth in solar spurred by increasing electrical energy costs and demand. Large markets are developing for commercial operators of private solar farms, utilities meeting green mandates, government subsidized installations, and operators of large commercial and industrial properties. These projects represent large installations typically approaching 1MW or more.

While we believe that the market conditions are excellent for all producers of solar products, we intend to deliver thin film solar products that provide extra value in performance and cost.

## **Products**

### **Solar Modules**

In designing our ASI-120 watt module, we interviewed solar systems integrators and developed a design that we believe provides for a module delivering high power output (relative to other thin films), and size and framing that would allow for the use of many existing mounting systems.

We plan to deposit two separate solar cell layers of amorphous silicon on to a one meter by one point six meter size (1m x 1.6m) glass substrate. This is to increase the amount of absorbed and converted solar energy in our modules. Based on previous experimental and limited commercial use of our thin film deposition recipes, we anticipate the finished solar module to produce 7.9% frame to frame efficiency delivering approximately 125 peak watts of direct current "DC" power. We believe that we may be able to improve conversion efficiencies through the use of derivative forms of amorphous and other proprietary cell structures.

### **Planned Manufacturing Capacities**

We currently do not have a manufacturing facility. However, on April 1, 2008, the Company signed a sub-lease ("Lease Agreement") for approximately Ninety Thousand (90,000) square feet of manufacturing facilities located at 23365 NE Halsey Street, Wood Village, Oregon, U.S.A. The purpose of the Lease Agreement was to establish facilities necessary for the installation and operation of the Company's planned thin film solar module manufacturing operations. The Lease Agreement requires that the Company post a security deposit letter of credit in the amount of \$106,000 and a letter of credit in an amount to be determined for 125% of the value for the removal of any improvements performed to the structure by the Company.

Under the terms of Lease Agreement, and conditions precedent to the commencement of the lease, the parties will work together to finalize a scope of work for the removal of certain current building improvements and negotiate for the purchase by the Company of certain industrial equipment by the 25th of April, 2008, submit the sublease agreement to the master landlord for sublet approval for which master landlord has fifteen (15) days to respond and sub-landlord, from whom the company will be leasing the premises, is required to provide an environmental site assessment report to the Company by May 15, 2008 to determine whether any environmental hazards are present requiring abatement. In the event that environmental hazards are found, or if in the opinion of the Company that such hazards render the premises unsuitable for use, the Company may terminate the Lease Agreement without obligation. There can be no assurance that the above conditions precedent to the commencement of the lease will be completed to the satisfaction of the parties.

The Lease Agreement provides for the sub-landlord to complete demolition of demising walls, fixtures, floor coverings, and general removal of mutually agreed to items by July 30, 2008. During this time, the Company will be allowed access to the premises to initiate preparation efforts for its manufacturing systems. Completion of sub-landlord work and the commencement date of the lease are scheduled for on or before July 31, 2008. The term of the Lease Agreement with the sub-landlord provides for occupancy through July 31, 2011. Thereafter, should the Company elect to continue to occupy the premises, the Company will be required to have established continued lease arrangements with the master landlord. Specific term and lease payment schedule is as follows:

| <b>Each Month During The Time Period:</b> | <b>Monthly Basic Rent Payable With Respect To Each Month During The Subject Time Period:</b> |
|-------------------------------------------|----------------------------------------------------------------------------------------------|
| Commencement Date to July 31, 2009        | \$53,000.00                                                                                  |
| August 1, 2009 to July 31, 2010           | \$54,060.00                                                                                  |
| August 1, 2010 to July 31, 2011           | \$55,141.20                                                                                  |

In the 2008 calendar year, we anticipate completing the assembly and installation of a small production research and development system and initiating construction of our first full scale 25 MW system. Barring assembly delays, we anticipate completing the assembly of our first 25MW line between December 2008 and January 2009. Near the end of the 2008 calendar year, we plan to launch the build-out of the first of three additional 25 MW systems necessary to eventually bring our capacity to 100 MW. Barring assembly delays, we anticipate completing the assembly of the first of these additional lines in November 2009, the second in January 2010, and the final 25 MW in March 2010. We intend to use the balance of the 2010 year to continue to work to improve system utilization, add shifts, and increase module yields to bring our production to peak capacities of 100 MW or more of annualized solar module production. To complete each new production line, we plan to use a systematic replication process that is designed to enable us to add production lines rapidly and efficiently, and achieve operating metrics that are comparable to the performance of our initial 25 MW system.

## **Sales and Marketing**

### **Target Market**

Our primary target market for our TFPV solar modules will be applications for On-Grid (facilities tied to conventional power distribution infrastructure) application of 1MW in size and above. Typical applications and buyers would include:

Solar Farms

License Holders in Germany, Spain & Canada

US installers servicing commercial and utility scale installations

Government Agencies (DOD)

Bureau of Land Management

Department of Defense

Power Purchase Agreements

Renewable Ventures

Utility Companies

Meeting Green Mandates

Large Commercial Installations

## **Sales & Distribution**

In anticipation of commercial production, we have developed a pre-sales reservation program, based upon the solar module manufacturing industry's policy of pre-selling manufacturing capacity to system installers and large users of solar. This is intended to aid in building a sales channel, loading that channel with customers interested in purchasing our future module production, and developing brand presence and recognition as early as possible. The program enables qualified, interested parties to specify the amount of solar module capacity they anticipate purchasing at favorable per watt pricing. As of the date of this report, we have signed reservation agreements with five (5) solar system integrators indicating interest in over 145 MW of production in calendar 2009, 2010 and 2011. Our agreements provide for the payment of a 5% deposit based on the 2009 calendar year purchase commitment either prior to, or not later than, 30 days after the delivery by XsunX to the reserving party of commercial samples for evaluation. The information in this paragraph is designed to summarize the general terms of the pre-sales reservation program and market opportunities. It is not intended to provide guidance about our future operating results, including revenues or profitability.

## **Plan of Operations**

At present, we anticipate the majority of our product and operations development efforts for the period ending September 2008 and the foreseeable future thereafter, will focus on establishing and expanding facilities necessary to manufacture our TFPV solar modules for commercial sale. Areas of specific focus and capital expenditures include:

- (a) Establishment of a baseline production system to produce full size (100cm x 160cm) sample modules; and
- (b) Lease and preparation of facilities necessary to house and operate, at minimum, our first of four proposed 25MW manufacturing lines; and
- (c) The placement of orders with select vendors for the core and sub-system components necessary to begin assembly leading to the commissioning of the first of four planned 25MW manufacturing lines; and
- (d) Continued R&D efforts to establish enhanced solar cell deposition methods and reduce manufacturing costs.

We rely on vendors to provide materials for use in our manufacturing process, component parts, and equipment for use in the assembly of our manufacturing system. We have selected a primary and secondary vendor for the supply of the various materials, component parts, and equipment employed in our manufacturing process. The Company is not affiliated with any of our vendors and we anticipate the use of written contracts to govern the terms of each purchase and supply commitment, and the vendor customer relationship. The market for the materials, components, and equipment employed by XsunX in the manufacture of our products are developing rapidly and we anticipate that continued growth in the demand for similar material and supplies may cause supplies to become limited or deliveries

delayed until such time that vendors can adjust to growth in the demand for their products. There can be no assurance that vendors of sufficient capabilities and/or capacities can adjust in a timely manner or at all to meet any growth in demand for their products. A loss of any of any vendor relationships or an inability to locate vendors with capabilities and /or capacities necessary to meet our manufacturing system assembly requirements or provide materials in sufficient quantities to support our product production efforts could cause the Company to experience difficulties in implementing our business strategy. The loss of any vendor relationship could severely impede our ability to complete the assembly of our planned manufacturing facility and/or impede or prevent us from producing products thereby causing, at minimum, delays and the need to re-qualify vendors and materials. There can be no assurance that we could establish other relationships of adequate expertise or qualification in a timely manner or at all.

For the year ending September 30, 2008 the Company has developed a plan of operations requiring approximately \$20,080,316 that commits 38% of its budget or \$12,773,974 towards initial Manufacturing Equipment and Sub-systems, another 11% of its budget or \$3,578,594 to General and Administrative functions as well as working capital needs, another 8% of its budget or \$2,725,098 to facilities including lease payments and manufacturing lease hold improvements and another 3% of its budget or \$1,002,649 to the development of new manufacturing devices, techniques and other research and development. The planned expenditures are consistent with our anticipated costs associated with the placement of equipment order deposits, ongoing progress payments, facility lease hold improvements for general office facilities and manufacturing sub-system infrastructure, and operations support for an approximate annual manufacturing capacity of 25MW.

The Company may change any or all of the budget categories in the execution of its business attempts. None of the items is to be considered fixed or unchangeable.

The Company will need additional capital to fund its budget. To support the completion of the our planned initial 25MW of manufacturing capacity, associated production start-up costs, establish a replication process designed to enable us to add the balance of our proposed 75MW of additional production capacity, and fund operations as we attempt to generate initial sales and revenues, we may seek to obtain additional financing of approximately \$25,000,000 from equity and/or debt placements. To support these and future operational plans, we may elect to attempt to secure loans and/or grants offered by the State of Oregon where we intend to establish our manufacturing facilities. No representation is made that any funds will be available when needed or on terms that acceptable to the Company. In the event funds cannot be raised when needed, the Company may not be able to carry out its business plan, may never achieve sales or income, and could fail in business as a result of these uncertainties.

Management believes the summary data and audit presented herein is a fair presentation of the Company's results of operations for the periods presented. Due to the Company's change in primary business focus and new business opportunities these historical results may not necessarily be indicative of results to be expected for any future period. As such, future results of the Company may differ significantly from previous periods.

## **Results of Operations for the Three-Month Period Ended December 31, 2007 Compared to the Same Period in 2006**

### **Sales**

The Company generated no revenues in the period ended December 31, 2007 as compared to zero revenue in the same period in 2006. Additionally, there was no associated cost of sales.

### **Operating Expenses**

Operating Expenses for the three (3) month period ended December 31, 2007 totaled \$2,021,387. This represents an increase of \$1,404,864 as compared to the same period in 2006 which totaled \$616,523. The increase in operating expenses between the periods is primarily attributable to the Company's efforts to establish manufacturing facilities to commercialize its technologies, and the associated financing costs to fund these activities. A comparative analysis of the period to period performance is provided below.

### **Option and Warrant Expenses**

Non-cash expenses associated with the issuance of options and warrants totaled \$1,308,865 for the period ended December 31, 2007. This total was \$1,308,865 higher than the same period in 2006 when there were no expenses associated with options and warrants. This increase is primarily due to the Company's adoption of SFAS No. 123(R). XsunX records the fair value of stock-based compensation grants as an expense. In order to determine the fair value of

stock options on the date of grant, XsunX applies the Black-Scholes option-pricing model. Inherent in this model are assumptions related to expected stock-price volatility, option life, risk-free interest rate and dividend yield. While the risk-free interest rate and dividend yield are less subjective assumptions, typically based on factual data derived from public sources, the expected stock-price volatility and option life assumptions require a greater level of judgment.

### **Commitment Fees**

The Company paid \$54,300 in the three (3) month period ended December, 31, 2007 as compared to zero in the same period in 2006. This increase of \$54,300 represents the non cash commitment fees paid to Fusion Capital in the form of 3,500,000 shares of common stock valued at the issuance price of \$0.30 per share, the same price that the initial \$1,000,000 investment by Fusion Capital paid. The total commitment fee of \$1,140,300 will be amortized ratably as additional equity is sold up to the remaining \$20,000,000 available under the Purchase Agreement. The current expense of \$54,300 relates to the \$1,000,000 received under the Purchase Agreement in the quarter. The remaining balance to be amortized in future periods is \$1,086,000.

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## **Salaries and Wages**

Salaries and wages for the three (3) month period ended December 31, 2007 were \$235,585 as compared to \$140,615 during the same period in 2006. The increase of \$94,970 was driven by the addition of employees in marketing, finance and the engineering and technical functions as part of a plan to increase internal technical and scientific capabilities and reduce dependency on outside parties.

## **Research and Development**

Research and Development expense for the three (3) month period ended December 31, 2007 totaled \$6,406 as compared to \$209,945 for the same period in 2006. The decrease of \$203,539 reflects the completion of the Company's outsourced research and development efforts and new focus on the design and planned implementation of the facilities necessary to commercialize the Company's technology. This reduction is partially offset by the increase in salary and wages as the Company brings on staff to continue its research and development efforts.

## **Professional Services**

Public relations and marketing expense for the three (3) month period ended December 31, 2007 totaled \$68,674 as compared to \$26,630 during this same period in 2006. The increase of \$42,044 represents an increased utilization of public relations services to work towards establishing brand awareness during the period.

Consulting expenses for the three (3) month period ended December 31, 2007 totaled \$27,277 as compared to \$35,982 during the same period in 2006, a decrease of \$8,705. This decrease is largely due to lower utilization of consulting services. The Company compensated its Scientific Advisory Board \$18,000 during the quarter.

Legal and accounting fees for the three (3) month period ended December 31, 2007 totaled \$59,039 as compared to \$77,418 during the same period in 2006. This represents a decrease of \$18,379 largely driven by smaller expenditures for legal services.

Recruiting fees of \$1,403 were paid during the three (3) month period ended December 31, 2007. This compared to no expenses during the same period in 2006. The increase of \$1,403 was driven by the hiring activity reflected in salary and wages. We anticipate that costs associated with recruiting employees may continue to rise.

## **Travel and Entertainment**

Expenses for travel and entertainment were \$31,376 for the three (3) month period ended December 31, 2007. This compared to \$29,829 for the same period in 2006. The increase of \$1,547 was relatively flat versus the same period in the prior year and represents continued travel related expense for business development activities.

The net loss for the three (3) month period ended December 31, 2007 was (\$1,914,928) as compared to a net loss of (\$583,680) for the same period 2006. The increased net loss of \$1,331,248 includes (i) The operating expense changes discussed above including non-cash expenses associated with the issuance of options and warrants of \$1,308,865 and \$54,300 in financing commitment fees, (ii) and an increase in interest income of \$74,011 resulting from the investment of cash balances in interest bearing accounts and the Sencera note.

The Company incurred net losses of (\$1,914,928) and (\$583,680) in the three-month period ended December 31, 2007 and 2006 respectively. The associated net loss per share was \$(0.01) for the three (3) month period ended June 30, 2007 and \$(0.004) for the same period in 2006. The Company anticipates the trend of losses to continue in future quarters until the Company can recognize sales of significance of which there is no assurance.



## **Results of Operations for the Fiscal Year Ended September 30, 2007 Compared to Fiscal Years Ended September 30, 2006 and 2005**

### **Revenue, Cost of Goods Sold**

The Company generated insignificant revenues in the period ended September 30, 2007 of \$6,880. The Company generated revenue of \$8,000 for the same period in 2006 and generated no revenue for the same period in 2005. There were no associated costs of goods sold.

### **Operating Expenses**

The Company incurred expenses totaling \$2,648,359 in fiscal year 2007 as compared to \$3,380,087 in 2006 and \$1,383,406 in 2005. The decrease of \$731,728 was primarily driven by non-cash warrant expenses of \$625,947 and loan fees of \$628,834 incurred in 2006 that were not incurred in 2007. For the year 2006 as compared to 2005, the increase of \$1,996,681 included a onetime non-cash warrant issuance expense of \$951,250 for warrants issued in association with the licensure of technologies and the sale by the Company of convertible debentures, and a net increase of \$486,833 in loan fee expenses associated with the sale by the Company of convertible dentures.

Excluding these non-cash items, there was an increase in normal and customary operating expense of \$523,053 for the period ending September 30, 2007 as compared to the same period 2006. The primary drivers of this increased are discussed in detail below.

### **Salaries and Wages**

The Company hired additional staff to implement its commercialization strategy in the fiscal year ended September 30, 2007. This increase in staffing resulted in a total expenditure of \$828,711 which is an increase of \$553,622 over the same period in 2006 and an increase of \$119,853 from 2006 to the same period in 2005. The company expects this trend to continue.

### **Research and Development**

The Company spent \$435,534 in research and development activities during the fiscal year ended September 30, 2007. This represented a decrease of \$513,938 as compared to the same period in 2006 and an increase of \$448,049 for the year 2006 versus the same period in 2005. This illustrates the Company's ramp up of research and development expenditures during 2005 and 2006. As the Company began to focus on commercializing the technology, the related research and development expenditures declined in 2007.

### **Professional Services**

Consulting services were \$117,751, an increase of \$69,901 for the fiscal year ended September 30, 2007 compared to the prior year. This increase was largely driven by the expansion of the Company's Scientific Advisory Board and increased contract engineering expenses related to the efforts to commercialization of the Company's product. The decrease expenditures for the year ending September 30, 2006 versus the same period in 2005 was \$273,094 which resulted primarily from the replacement of outside consultants with employees.

Legal and Accounting fees increased \$162,185 to \$302,478 for the fiscal year ended September 30, 2007. This increase was primarily the result of legal work relating to the Company's attempted acquisition of manufacturing assets, and from enforcing the Company's contract rights with several vendors. Legal and accounting fees were relatively flat for the year ending September 30, 2006 as compared to the same period in 2005, an increase of \$33,044.

**Travel**

Travel and associated expenses were \$158,503 for the fiscal year ended September 30, 2007. This represents an increase of \$116,680 as compared to the same period in 2006 and an increase of \$30,589 for fiscal year 2006 as compared to the same period in 2005. These increases are due to increased travel directed at sales and business development efforts.

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## Other Operating Expenses

Additionally, advertising expenses were \$47,573 for the fiscal year 2007, an increase of \$38,523 for the same period in 2006, an increase of \$5,071 for the same period in 2005. This increase resulted from the Company's increased efforts to generate sales.

Insurance expenses were \$66,856 for the fiscal year ended September 30, 2007, an increase of \$64,151 from the prior period. This increase was primarily caused by increased coverage for general liability, workers compensation and health insurance of \$26,651 and the addition of a directors and officers insurance package totaling \$37,500. The increase of \$1,947 between the fiscal years 2006 and 2005 was primarily driven by increase coverage levels.

For the fiscal year ended September 30, 2007, the Company's consolidated net loss was \$(1,289,497) as compared to \$(3,441,940) for the same period ended September 30, 2006 and \$(1,400,839) for the same period ended September 30, 2005. The decreased net loss in 2007 was primarily related to i) \$1,100,000 non-operating settlement of an asset purchase agreement which resulted in cash inflow and a non-operating income ii) a decreased operating expenses of \$731,728 as discussed above, iii) increased interest income of \$164,699 resulting from a loan made to Sencera, LLC by the Company in the amount of \$1,500,000 dollars bearing an interest rate of 10% and used in calculating the increase to interest income and iv) decreased interest expense with the conversion of outstanding debentures into equity in 2006. This resulted in a net loss per was of \$(0.01) for the twelve months ended September 30, 2007.

The increase of \$ 2,041,101 between the 2006 and 2005 periods resulted from a one time non-cash warrant issuance expense of \$951,250 for warrant expenses accounted for in the period ended September 30, 2006, and a net increase of \$486,833 in loan fee expenses associated with the sale by the Company of convertible dentures. Excluding the one time non-cash warrant expense and net loan fee expenses, in the comparative analysis between the periods, results in an increase of \$578,017 in net loss for the period ended September 30, 2006 as compared to the same period 2005. The net loss per share was less than \$(0.02) for the twelve month period ended September 30, 2006 and \$(0.01) for the same period in 2005.

Due to the Company's change in primary business focus in October 2003 and the developing nature of its business opportunities these historical results may not necessarily be indicative of results to be expected for any future period. As such, future results of the Company may differ significantly from previous periods. Since inception in 1997 the Company has an accumulated deficit totaling (\$10,460,850) at September 30, 2007.

## Liquidity and Capital Resources

Working Capital at September 30, 2007 was \$1,515,437 as compared to \$4,065,524 for the same period in 2006 and as compared to a working capital (deficit) of \$(718,380) at September 30, 2005. There were insignificant operating cash flows totaling \$6,880 during the twelve months ended September 30, 2007 and \$8,000 in the same period in 2006 and zero in the same period in 2005.

Cash and cash equivalents at September 30, 2007 were \$1,828,125 a decrease of \$(2,826,098) from the same period in 2006. Cash and cash equivalents at September 30, 2006 were \$4,654,223, an increase of \$4,398,370 from September 30, 2005.

During the year ended, September 30, 2007, the Company used \$1,289,497 net cash in operating activities as compared to \$1,942,278 net cash in operating activities for the year ending September 30, 2006 and compared to using \$1,049,650 net cash for the year ended, September 30, 2005.

The Company used \$843,416 for operating activities during the year ended September 30, 2007 as compared to \$1,942,278 for the same period in 2006. The decrease of \$1,098,862 resulted primarily from a reduced net loss of

\$2,152,443 offset by warrant expense and issuance of common stock for interest of \$867,330, change in pre-paid expenses of \$563,871 and to accounts payable of \$826.293.

The increase of \$892,628 in use of cash for operating activities between the 2006 and 2005 periods resulted from onetime non-cash expenses for a warrant issuance expense of \$951,250, an expense of \$31,500 for the issuance of stock in lieu of cash for services, and \$241,383 in expenses for the issuance of stock in lieu of cash for the payment of accrued interest associated with the sale of debentures by the Company accounted for in the period ended September 30, 2006. Excluding these one time non-cash expenses, in the comparative analysis between the period's, results in a decrease of \$331,505 in net cash used in operations for the period ended September 30, 2006 compared to the same period 2005. This decrease of net cash used in operations was primarily due to a decrease in consulting expenses of \$273,094 in the 2006 period.

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For the twelve (12) months ended, September 30, 2007, the Company's capital needs have primarily been met from the proceeds of (i) the issuance of Common Stock for Debenture conversion and; (ii) the issuance of Common Stock for warrant conversion. Total cash provided by financing activities for the period ended September 30, 2007 decreased to \$135,000. For the period ended September 30, 2006 total cash provided by financing activity increased to \$8,171,250 from \$1,380,170 for the same period ended September 30, 2005. The decrease of \$8,036,250 is a result of financing activity in fiscal year 2006 that was not required to execute on the business plan in 2007. Additionally, \$135,000 was received by the Company for 900,000 warrants that were exercised by a consultant. The increase of \$6,791,080 between the 2006 and 2005 periods was mainly attributable to an increase of \$5,000,000 from the conversion of a debenture into common stock and \$3,171,250 in the conversion of warrants for common stock.

The Company had cash at December 31, 2007 of \$2,188,260 and prepaid expenses in the amount of \$6,481 as compared to cash of \$1,773,748 and prepaid expenses in the amount of \$54,377 as of September 30, 2007. The Company had a net working capital of \$1,900,767 as compared to a net working capital of \$1,515,437 at September 30, 2006. Cash flow used in operating activities during the three (3) month period ended, December 31, 2007, was (\$392,636) as compared to a use of cash of (\$584,606) for the same period 2006. The decrease in cash used in operations of \$191,970 included (i) the issuance of common stock for commitment fees of \$54,300 relating to Fusion Capital's investment in the Company, (ii) increased non-cash expense relating to option and warrant expenses of \$1,308,865 and (iii) an increase in non-cash interest income of \$90,740 relating to the Sencera note, and (iii) the operation changes discussed above. The current period ended December 31, 2007 also included a non-cash depreciation expense of \$129,958 compared to \$27,047 in the same period in 2006.

For the three (3) month period ended December 31, 2007, the Company's capital needs have been met from the use of working capital provided by the proceeds of (i) the issuance of common stock for cash which occurred in the three (3) month period ended December 31, 2007 and other historical financings which occurred in the fiscal year ended September 30, 2006.

At December 31, 2007, we had cash and cash equivalents of \$2,188,260 and net working capital of \$1,515,437.

On January 1, 2007, the Company issued a secured, seven (7) year, 10% note to Sencera, LLC in the amount up to \$1,500,000. The secured note was issued by the Company in connection with development and license agreements between Sencera, LLC and the Company for the licensure and development of a Sencera patent pending plasma source for use in the manufacture of deposited thin-film solar cells. Under the terms of the, the Company provided Sencera with \$400,000 at the time of signing and \$137,500 per month for up to eight (8) months. The note may be converted into a membership interest in Sencera, LLP and an extension of the license for a period of three (3) years. The security consists of the license rights, the ability to exercise the conversion and all other rights and remedies provided by law. On September 7, 2007, XsunX initiated the final funding of disbursements under the Sencera note. As of December 31, 2007, the current balance of the note receivable was \$1,500,000 plus accrued interest earned of \$234,192.

On November 1, 2007, we entered into a Purchase Agreement with Fusion Capital, an Illinois limited liability company. Under the Purchase Agreement, Fusion Capital is obligated, under certain conditions, to purchase shares from us in an aggregate amount of \$21 million from time to time over a twenty-five (25) month period. We have sold 3,333,332 shares of common stock to Fusion Capital (together with 3,333,332 shares issuable under an immediately exercisable common stock purchase warrant that is not part of this offering) under the Purchase Agreement for total proceeds of \$1,000,000. Under the terms of the Purchase Agreement, Fusion Capital has received a commitment fee consisting of 3,500,000 shares of our common stock. As of April 16, 2008, there were 173,403,188 shares outstanding (155,443,288 shares held by non-affiliates) excluding the 33,166,668 shares offered by Fusion Capital pursuant to this Prospectus which it has not yet purchased from us. If all of such 33,166,668 shares offered hereby were issued and outstanding as of the date hereof, the 33,166,668 shares would represent 19.12% of the total common stock outstanding or 21.33% of the non-affiliates shares outstanding as of the date hereof. The number of shares

ultimately offered for sale by Fusion Capital is dependent upon the number of shares purchased by Fusion Capital under the Purchase Agreement.

Under the Purchase Agreement and the Registration Rights Agreement we are required to register 6,833,332 shares which have already been issued and at least 20,000,000 shares which we may issue to Fusion Capital in the future. We have chosen to register an additional 13,166,668 shares more than we are obligated to under the Purchase Agreement with Fusion in order to have additional shares available to sell under the Purchase Agreement so that the Company can raise funds to further implement its business plan. We are registering under the Securities Act 40,000,000 shares of our common stock, 6,833,332 shares which have already been issued and 33,166,668 shares (13,166,668 shares more than we are required to register under the agreements) which we may issue to Fusion Capital in the future. All 40,000,000 shares are being offered pursuant to this Prospectus. Under the Purchase Agreement, we have the right but not the obligation to sell more than the 40,000,000 shares to Fusion Capital. As of the date hereof, we do not have any plans or intent to sell to Fusion Capital any shares beyond the 40,000,000 shares offered hereby. However, if we elect to sell more than the 40,000,000 shares (which we have the right but not the obligation to do), we must first register under the Securities Act any additional shares we may elect to sell to Fusion Capital before we can sell such additional shares, which could cause substantial dilution to our shareholders.

Generally we have the right but not the obligation from time to time to sell our shares to Fusion Capital in amounts between \$80,000 and \$1.0 million depending on certain conditions. We have the right to control the timing and amount of any sales of our shares to Fusion Capital. The purchase price of the shares will be determined based upon the market price of our shares without any fixed discount at the time of each sale. Fusion Capital shall not have the right or the obligation to purchase any shares of our common stock on any business day that the price of our common stock is below \$0.20. There are no negative covenants, restrictions on future fundings, penalties or liquidated damages in the Purchase Agreement or the Registration Rights Agreement. The Purchase Agreement may be terminated by us at any time at our discretion without any cost to us, however the agreement provides that neither party has the ability to amend the Purchase Agreement and the obligations of both parties are non-transferable.

We believe that, if we choose to sell up to all of the 33,166,668 shares offered hereby to Fusion Capital, we will have access to the remaining \$20 million of funding potentially available to us as payment for purchases of our shares pursuant to the Purchase Agreement. However, no assurance can be given as to what shares we will actually sell to Fusion Capital. The Company and Fusion Capital agreed to \$21 million because it was the maximum amount Fusion Capital would commit to the Company under the agreement and was based on arms-length negotiations between the parties. Based on the market price of our common stock as of April 14, 2008 (\$0.44), proceeds to us from the sale of the remaining 33,166,668 shares of common stock would only be approximately \$15,920,001. However, the market price of our common stock has been higher and lower than this amount during the past twelve months. We believe that as we execute on our business plan, the market price of our stock will increase and thereby allow us to realize the remaining \$20 million under the agreement by selling the 33,166,668 shares or possibly fewer shares. However, no assurance can be given that this will occur.

The proceeds received by the Company under the Purchase Agreement are expected to be used to build an initial base production system delivering full size commercial quality solar modules, and initiate the manufacture of the first of four (4) planned 25 megawatt systems under the Company's planned 100 megawatt thin film solar module production facility. Proceeds may also be used to lease and prepare manufacturing facilities with the necessary support systems for the manufacturing line, inventory, staff, and general working capital.

Contractual Obligations are shown in the following table.

| Contractual Obligations                                                                  | Total   | Payments Due by Period |             |             |                      |
|------------------------------------------------------------------------------------------|---------|------------------------|-------------|-------------|----------------------|
|                                                                                          |         | Less than<br>1 Year    | 1 - 3 Years | 3 - 5 Years | More Than<br>5 Years |
| Long Term Obligations                                                                    | -       | -                      | -           | -           | -                    |
| Capital Lease                                                                            | -       | -                      | -           | -           | -                    |
| Operating Lease <sup>(1)</sup>                                                           | 37,118  | 21,008                 | 16,110      | -           | -                    |
| Purchase Obligations <sup>(2, 3)</sup>                                                   | 492,345 | 492,345                | -           | -           | -                    |
| Other Long Term Liabilities Reflected<br>on the Registrant's Balance Sheet Under<br>GAAP | -       | -                      | -           | -           | -                    |
| Total                                                                                    | 529,463 | 513,353                | 16,110      | -           | -                    |

(1) Operating Lease Obligations consist of the lease on the Company's Administrative and Sales facility in Golden, CO.

(2) Remaining accounts payable associated with the production a roll to roll cassette cluster tool providing plasma enhanced chemical vapor deposition (PECVD) and sputtering system of \$353,000.

(3) Estimated remaining amount due a third party research and development provider of \$139,345.

The estimated contract cost in item (2) and (3) above may be higher or lower based on final costs. The Company has not booked any contingency for cost overruns.

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During the year ended, September 30, 2007, we used \$1,822,942 for investing activities as compared to \$2,099,736 for the same period ended September 30, 2006. This represents a decrease of \$276,794 primarily related to the purchase of fewer fixed assets in 2007 than in the previous year and the purchase of the marketable manufacturing tool in 2006 which reduced 2007 expenditures. This difference was offset by the investment of \$1,500,000 and associated accrued interest income in the Sencera note. During the year ended, September 30, 2006, we used \$2,099,736 for investing activities as compared to \$191,995, for the year ended, September 30, 2005. The increased use of cash for investing activities resulted from an increase in the acquisition of assets in the form of a marketable manufacturing tool and additional equipment.

We had, at September 30, 2007, working capital of \$1,515,437. The Company has announced plans to build its manufacturing facility which we anticipate will lead to revenue after the close of fiscal year 2008. However the cash flow requirements associated with the transition to revenue recognition may exceed cash generated from operations in the current and future periods. We may seek to obtain additional financing from equity and/or debt placements. We have been able to raise capital in a series of equity and debt offerings in the past. While there can be no assurances that we will be able to obtain such additional financing, on terms acceptable to us and at the times required, or at all, we believe that sufficient capital can be raised in the foreseeable future if necessary.

### **Net Operating Loss**

For federal income tax purposes, we have net operating loss carry forwards of approximately \$10,960,721 as of September 30, 2007. These carry forwards will begin to expire in 2010. The use of such net operating loss carry forwards to be offset against future taxable income, if achieved, may be subject to specified annual limitations.

### **Quantitative and Qualitative Disclosures About Market Risk**

We do not have any market risk sensitive instruments. Since all operations are in U.S. dollar denominated accounts, we do not have foreign currency risk. Our operating costs are reported in U.S. dollars.

The Company does not invest in term financial products or instruments or derivatives involving risk other than money market accounts, which fluctuate with interest rates at market.

### **Development Stage Company**

The Company is currently working to transition from the development stage to the implementation phase and as of the period ended December 31, 2007, did not have any significant revenues. The transition to revenue recognition may exceed cash generated from operations in the current and future periods. We may seek to obtain additional financing from equity and/or debt placements. As such, the Company's ability to secure additional financing on a timely basis is critical to its ability to stay in business and to pursue planned operational activities.

On November 1, 2007, XsunX signed a \$21 million Purchase Agreement with Fusion Capital. Upon signing the agreement, XsunX received \$1,000,000 from Fusion Capital as an initial purchase under the \$21 million commitment in exchange for 3,333,332 shares of our common stock. The shares were issued in a transaction exempt from registration pursuant to Section 4(2) of the Securities Act. Concurrently with entering into the Purchase Agreement, we entered into a registration rights agreement with Fusion Capital. Under the registration rights agreement, we agreed to file a registration statement related to the transaction with SEC covering the shares that have been issued or may be issued to Fusion Capital under the Purchase Agreement. We now have the right over a twenty-five (25) month period to sell our shares of common stock to Fusion Capital, from time to time, in amounts up to \$1 million per sale, depending on certain conditions as set forth in the agreement, up to the full aggregate commitment of \$21 million.

Also, On January 16, 2008, Cumorah Capital purchased 8,650,000 shares of the Company's restricted common stock in a private transaction for total proceeds of \$2,500,000. The Company agreed to register the 8,650,000 shares purchased by Cumorah Capital. Cumorah Capital is a Nevada corporation and an "accredited investor" as such term is defined in Rule 501(a) of Regulation D as promulgated by the SEC.

While we have been able to raise capital in a series of equity and debt offerings in the past there can be no assurances that we will be able to obtain such additional financing, on terms acceptable to us and at the times required, or at all.

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Irrespective of whether the Company's cash assets prove to be inadequate to meet the Company's operational needs, the Company might seek to compensate providers of services by issuances of stock in lieu of cash.

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**DESCRIPTION OF PROPERTY**

As of April 16, 2008, the Company leases administrative office facilities located at 65 Enterprise, Aliso Viejo CA 92656 for approximately \$3,800 per month.

In April 2006 the Company entered into a three (3) year lease for technical and marketing operations facilities in Golden, CO. The Company provided a \$2,615 security deposit and expensed \$79,867 in costs associated with tenant improvements to the facilities in preparation for occupancy. The following is a schedule, by years, of the minimum base payments required under this operating lease for facilities. An additional \$905 monthly is also due as a pro rata share equaling 4.12% of the operating costs for real estate taxes, assessments, and the expenses of operating and maintaining common areas within the commercial grounds surrounding the leased facilities .

| <b>Annual<br/>Rent Schedule</b> | <b>Annualized<br/>Rate/sf</b> |      | <b>Monthly<br/>Rent</b> |           | <b>Rent</b> |
|---------------------------------|-------------------------------|------|-------------------------|-----------|-------------|
| 7/1/06-6/30/07                  | \$                            | 6.75 | \$                      | 20,250.00 | \$ 1,687.50 |
| 7/1/07-6/30/08                  | \$                            | 6.95 | \$                      | 20,850.00 | \$ 1,737.50 |
| 7/1/08-6/30/09                  | \$                            | 7.16 | \$                      | 21,480.00 | \$ 1,790.00 |

The Company owns no real property.

To support the Company's plans to prepare TFPV solar module manufacturing capabilities, we plan to lease suitable facilities of approximately 65,000 to 75,000 square feet in the 2008 fiscal year. We have selected the area surrounding the Portland, Oregon area as the location of our facilities and we are working to complete site selection and lease negotiations.

## **CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS**

### **General**

No related party, officer, director or family member of an officer or director of the Company has been involved in any transaction with an aggregate amount in excess of \$120,000 or in excess of one percent (1%) of the Company's average total assets for the past two (2) fiscal years. Additionally, no officer or director of the Company has or proposes to have any direct or indirect material interest in any asset proposed to be acquired by the Company through security holdings, contracts, options or otherwise.

The Company has adopted a policy under which any consulting or finder's fee that may be paid to a third party for consulting services to assist management in evaluating a prospective business opportunity would be paid in stock, stock purchase options or in cash. Any such issuance of stock or stock purchase options would be made on an ad hoc basis. Accordingly, the Company is unable to predict whether or in what amount such a stock issuance might be made.

### **Review, Approval or Ratification of Transactions with Related Persons**

#### **General**

It is the policy of the Company that all Interested Transactions with Related Persons will be subject to the procedures summarized below. An "Interested Transaction" is any transaction, arrangement or relationship or series of similar transactions, arrangements or relationships (including any indebtedness or guarantee of indebtedness) in which (a) the aggregate amount involved will or may reasonably be expected to exceed \$120,000 in any calendar year, (b) the Company or its subsidiaries or affiliates is a participant and (c) any Related Person has or will have a direct or indirect interest (other than solely as a result of being a director or a less than 10% beneficial owner of another entity). A "Related Person" is any (a) director, nominee for director or executive officer of the Company and any Immediate Family Member of such person, and (b) any holder of 5% or more of any class of outstanding equity securities of the Company and any Immediate Family Member such person. "Immediate Family Member" means (a) any child, stepchild, parent, stepparent, spouse, sibling, mother in law, father in law, son in law, daughter in law, brother in law or sister in law of the person in question and (b) any person (other than a tenant or employee) sharing the household of the person in question.

#### **Procedures**

As a general matter, prior to entering into Interested Transactions, the Board will review the material facts of all Interested Transactions that require the Board's approval and either approve or disapprove of the entry into the Interested Transaction, subject to the exceptions described below.

If advance approval of an Interested Transaction is not feasible or obtained: (a) If the transaction is pending or ongoing, it will be submitted to the Board promptly, and the Board will consider the transaction and evaluate all options, including but not limited to approval, ratification, amendment or termination of the Interested Transaction; and (b) If the transaction is completed, the Board will consider the transaction to determine if ratification or rescission of the transaction and/or any further action is appropriate, and will request that Company counsel evaluate the Company's controls and procedures to ascertain whether any changes to these procedures are recommended.

In determining whether to approve, disapprove or ratify an Interested Transaction, the Board will take into account, among other factors it deems appropriate, whether the Interested Transaction is on terms no less favorable than terms generally available to an unaffiliated third-party under the same or similar circumstances and the extent of the Related Person's interest in the transaction.

The Board has determined that each of the Interested Transactions described below in “Standing Pre-Approval for Certain Interested Transactions” shall be deemed to be pre-approved by the Board under the terms of this policy. In addition, the Board has delegated to the Chair of the Board the authority to approve, disapprove or ratify (as applicable) any Interested Transaction with a Related Person in which the aggregate amount involved is expected to be less than \$120,000.

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No director will participate in any discussion or approval of an Interested Transaction for which he or she is a Related Person, except that the director will provide all material information concerning the Interested Transaction to the Board.

If an Interested Transaction will be ongoing, the Board may establish guidelines for the Company's management to follow in its ongoing dealings with the Related Person. Thereafter, the Board, on at least an annual basis, shall review and assess ongoing relationships with the Related Person to see that the Company is in compliance with the Board's guidelines and whether the Interested Transaction should continue.

### **Standing Pre-Approval for Certain Interested Transactions**

The Board has determined that each of the following Interested Transactions shall be deemed to be pre-approved by the Board, even if the aggregate amount involved will exceed \$120,000: (a) any employment by the Company of an executive officer of the Company if (i) the related compensation is required to be reported in the Company's proxy statement under Item 402 of Regulation S-K (generally applicable to "named executive officers") or (ii) the executive officer is not an immediate family member of another executive officer or director of the Company, the related compensation would be reported in the Company's proxy statement under Item 402 of Regulation S-K if the executive officer was a "named executive officer", and the Compensation/Nominating/Governance Board (or any subBoard thereof) approved (or recommended that the Board approve) such compensation; (b) any compensation paid to a director if the compensation is required to be reported in the Company's proxy statement under Item 402 of Regulation S-K; (c) a transaction with another company (the "Other Company") at which a Related Person's only relationship is as an employee, director or beneficial owner of less than 10% of that Other Company's shares, if: (i) the transaction involves the sale or purchase of goods or services and the annual sales to, or purchases from, the Company (or its subsidiaries or affiliates) are less than 1% of the annual consolidated revenue of both the Company and the Other Company, and (ii) the transaction involves lending or borrowing the total amount of either company's consolidated indebtedness to the other is less than 1% of the total consolidated assets of the indebted company; (d) any charitable contribution, grant or endowment to a charitable organization, foundation or university at which a Related Person's only relationship is as an employee, director or trustee, if the aggregate amount involved does not exceed 1% of the charitable organization's total annual receipts, even if such charitable contribution, grant or endowment would not require approval under clause (b) herein above; (e) any transaction where the Related Person's interest arises solely from the ownership of the Company's common stock and all holders of the Company's common stock received the same benefit on a pro rata basis (e.g., dividends); (f) any transaction involving a Related Person where the rates or charges involved are determined by competitive bids; (g) any transaction with a Related Person involving the rendering of services as a common or contract carrier, or public utility, at rates or charges fixed in conformity with law or governmental authority; and (h) any transaction with a Related Person involving services as a bank depository of funds, transfer agent, registrar, trustee under a trust indenture, or similar services.

### **Promoters and Certain Control Persons**

The Company completed a Plan of Reorganization and Asset Purchase Agreement on September 24, 2003 (the "Plan") pursuant to which the Company effected a reverse one (1) for twenty (20) split of the then issued capital stock of the Company (the "Stock Split"), a name change, the purchase of three (3) patents pertaining to solar energy technologies and a change in the Company's business development efforts to the commercialization of solar technologies.

The following individuals assisted in the organizing and implementation of the Plan, and were compensated as follows:

- Mr. Brian Altounian, an individual, was issued 20,000,000 shares of common stock (post Stock Split). The issuance of shares were approved as part of the Plan for corporate development services rendered by Mr. Altounian pursuant to the asset purchase and reorganization efforts and valued at a price of \$0.004 per share for a total valuation of

\$83,200. Mr. Altounian was appointed as a Director and Secretary to the Company on September 29, 2003 and resigned as Director and Secretary on June 30, 2006.

·Mr. Thomas Anderson, the Chief Executive Officer, President, and a Director of the Company at the time of the Plan, was issued 45,000 shares of common stock (post Stock Split). These shares were issued in relation to the retirement of invoicing for director services carried on the books as accrued debt. Mr. Anderson resigned as CEO and President of the Company effective September 29, 2003.

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- Mr. Steve Weathers, a Director of the Company at the time of the Plan, was issued 45,000 shares of common stock (post Stock Split). These shares were issued in relation to the retirement of invoicing for director services carried on the books as accrued debt. Mr. Weathers resigned as a Director of the Company effective September 29, 2003.
- Mr. Randy McCall, a Director of the Company at the time of the Plan, was issued 25,000 shares of common stock (post Stock Split). These shares were issued in relation to the retirement of invoicing for director services carried on the books as accrued debt. Mr. McCall resigned as a Director of the Company effective September 29, 2003.

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**MARKET FOR COMMON EQUITY AND RELATED STOCKHOLDER MATTERS**

The Company's common stock trades on the Over-the-Counter Bulletin Board under the symbol "XSNX". The range of high, low and close trade quotations for the Company's common stock by fiscal quarter within the last two (2) fiscal years, as reported by the National Quotation Bureau Incorporated, was as follows:

| <b>Year Ended September 30, 2008</b>  | <b>HIGH</b> | <b>LOW</b> | <b>CLOSE</b> |
|---------------------------------------|-------------|------------|--------------|
| First Quarter ended December 31, 2007 | 0.55        | 0.29       | 0.55         |

| <b>Year Ended September 30, 2007</b>    | <b>HIGH</b> | <b>LOW</b> | <b>CLOSE</b> |
|-----------------------------------------|-------------|------------|--------------|
| First Quarter ended December 31, 2006   | 0.68        | 0.34       | 0.38         |
| Second Quarter ended March 31, 2007     | 0.64        | 0.40       | 0.49         |
| Third Quarter ended June 30, 2007       | 0.51        | 0.41       | 0.42         |
| Fourth Quarter ended September 30, 2007 | 0.44        | 0.30       | 0.39         |

| <b>Year Ended September 30, 2006</b>    | <b>HIGH</b> | <b>LOW</b> | <b>CLOSE</b> |
|-----------------------------------------|-------------|------------|--------------|
| First Quarter ended December 31, 2005   | 0.59        | 0.53       | 0.58         |
| Second Quarter ended March 31, 2006     | 2.24        | 2.08       | 2.13         |
| Third Quarter ended June 30, 2006       | 1.06        | 1.04       | 1.05         |
| Fourth Quarter ended September 30, 2006 | 0.55        | 0.52       | 0.54         |

The above quotations reflect inter-dealer prices, without retail mark-up, mark-down, or commission and may not necessarily represent actual transactions.

**Number of Holders**

As of April 16, 2008, there were approximately 1,456 record holders of the Company's common stock, not counting shares held in "street name" in brokerage accounts which is unknown. As of April 16, 2008, there were approximately 173,403,188 shares of common stock outstanding on record with the Company's stock transfer agent, Mountain Share Transfer. On April 14, 2008 the last reported sales price of our common stock on the OTCBB was \$0.44 per share.

**Dividends**

The Company has not declared or paid any cash dividends on its common stock and does not anticipate paying dividends for the foreseeable future.

**Stock Option Plan**

On January 5, 2007, our Board of Directors resolved to establish the Company's 2007 Stock Option Plan to enable the Company to obtain and retain the services of the types of employees, consultants and directors who could contribute to the Company's long range success and to provide incentives which are linked directly to increases in share value which will inure to the benefit of all stockholders of the Company. A total of 20,000,000 shares of common stock are authorized under the plan.

**Stock Compensation, Issuance of Stock Purchase Options**

During the fiscal year ended September 30, 2007, our Board of Directors authorized the grant of options to purchase an aggregate of 2,200,000 shares of the Company's common stock of which 1,950,000 remain authorized. The options are exercisable at prices ranging from \$0.41 to \$0.53 per share, and expire at various times through August 2012.

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**Consulting Incentive Options:** In connection with entering into a Consulting and Advisory Agreement effective January 26, 2007 with Dr. John Moore for two years service as Chairman of the Company's Scientific Advisory Board, the Company issued to Dr. Moore 150,000 options under the terms of a Stock Option Agreement, with an exercise price of \$0.46 per share. The options were issued in a transaction exempt from registration pursuant to Section 4(2) of the Securities Act. The options have a five (5) year exercise term and vest under the following provisions:

(a) The Option became exercisable in the amount of 12,500 shares upon the First Vesting Date of April 26, 2007. Thereafter, the Option shall vest become exercisable at the rate of 18,750 Shares per calendar quarter, or any apportioned amount thereof, during the term of engagement of the Optionee by XsunX.

**Employment Incentive Options:** In connection with entering into an Employment Agreement effective January 1, 2007 with Jeff Huitt for two years service as Chief Financial Officer, the Company issued to Mr. Huitt 500,000 options under the terms of a Stock Option Agreement effective January 26, 2007, with an exercise price of \$0.46 per share. The options were issued in a transaction exempt from registration pursuant to Section 4(2) of the Securities Act. The options have a five (5) year exercise term and vest under the following provisions:

(a) The Option became exercisable in the amount of 50,000 shares upon the First Vesting Date of April 1, 2007. Thereafter, the Option shall vest and become exercisable at the rate of 50,000 Shares per calendar quarter up to a total of 400,000 shares.

(b) This Option shall also become exercisable in the amount of 50,000 shares for each of the first two (2) sales/licensure of an XsunX system.

**Employment Incentive Options:** In connection with entering into an Employment Agreement effective January 1, 2007 with Robert Wendt for two years service as Vice President of Engineering, the Company issued to Mr. Wendt 500,000 options under the terms of a Stock Option Agreement effective January 26, 2007, with an exercise price of \$0.46 per share. The options were issued in a transaction exempt from registration pursuant to Section 4(2) of the Securities Act. The options have a 5 year exercise term and vest under the following provisions:

(a) The Option became exercisable in the amount of 50,000 shares upon the First Vesting Date of April 1, 2007. Thereafter, the Option shall vest and become exercisable at the rate of 50,000 Shares per calendar quarter up to a total of 400,000 shares.

(b) This Option shall also become exercisable in the amount of 50,000 shares for each of the first two (2) sales/licensure of an XsunX system.

**Employment Incentive Options:** In connection with entering into an Employment Agreement effective January 1, 2007 with Kurt Laetz for two years service as Vice President of Sales, the Company issued to Mr. Laetz 250,000 options under the terms of a Stock Option Agreement effective January 26, 2007, with an exercise price of \$0.46 per share. The options were issued in a transaction exempt from registration pursuant to Section 4(2) of the Securities Act. As of September 30, 2007 Mr. Laetz no longer worked for the Company and the above referenced option grant was terminated and the available options were returned to the pool of available options under the XsunX 2007 Stock Option Plan.

**Employment Incentive Options:** In connection with entering into an Employment Agreement effective January 1, 2007 with Joseph Grimes for two (2) years service as Chief Operating Officer, the Company issued to Mr. Grimes 500,000 options under the terms of a Stock Option Agreement effective January 26, 2007, with an exercise price of \$0.46 per share. The options were issued in a transaction exempt from registration pursuant to Section 4(2) of the Securities Act. The options have a five (5) year exercise term and vest under the following provisions:

(a) The Option became exercisable in the amount of 50,000 shares upon the First Vesting Date of April 1, 2007. Thereafter, the Option shall vest and become exercisable at the rate of 50,000 Shares per calendar quarter up to a total of 400,000 shares.

(b) This Option shall also become exercisable in the amount of 50,000 shares for each of the first two (2) sales/licensure of an XsunX system.

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**Consulting Incentive Options:** In conjunction with entering into a Consulting and Advisory Agreement effective February 22, 2007 with Dr. Edward Yu for two years service as a member of the Company's Scientific Advisory Board, the Company issued to Dr. Yu 100,000 options under the terms of a Stock Option Agreement, with an exercise price of \$0.53 per share. The options were issued in a transaction exempt from registration pursuant to Section 4(2) of the Securities Act. The options have a five (5) year exercise term and vest under the following provisions:

(a) The Option became exercisable in the amount of 12,500 shares upon the First Vesting Date of May 23, 2007. Thereafter, the Option shall vest become exercisable at the rate of 12,500 Shares per calendar quarter, or any apportioned amount thereof, during the term of engagement of the Optionee by XsunX.

**Consulting Incentive Options:** In conjunction with entering into a Consulting and Advisory Agreement effective April 23, 2007 with Dr. Richard Ahrenkiel for two years service as a member of the Company's Scientific Advisory Board, the Company issued to Dr. Yu 100,000 options under the terms of a Stock Option Agreement, with an exercise price of \$0.45 per share. The options were issued in a transaction exempt from registration pursuant to Section 4(2) of the Securities Act. The options have a 5 year exercise term and vest under the following provisions:

(a) The Option became exercisable in the amount of 12,500 shares upon the First Vesting Date of July 24, 2007. Thereafter, the Option shall vest become exercisable at the rate of 12,500 Shares per calendar quarter, or any apportioned amount thereof, during the term of engagement of the Optionee by XsunX.

**Consulting Incentive Options:** In conjunction with entering into a Consulting and Advisory Agreement effective August 28, 2007 with Dr. Michael Russak for two years service as a member of the Company's Scientific Advisory Board, the Company issued to Dr. Russak 100,000 options under the terms of a Stock Option Agreement, with an exercise price of \$0.41 per share. The options were issued in a transaction exempt from registration pursuant to Section 4(2) of the Securities Act. The options have a five (5) year exercise term and vest under the following provisions:

(a) The Option became exercisable in the amount of 12,500 shares upon the First Vesting Date of November 29, 2007. Thereafter, the Option shall vest become exercisable at the rate of 12,500 Shares per calendar quarter, or any apportioned amount thereof, during the term of engagement of the Optionee by XsunX.

### Table of Equity Compensation

The following table sets forth summary information, as of September 30, 2007, concerning securities authorized for issuance under all equity compensation plans and agreements for the fiscal years ended September 30, 2005, 2006 and 2007 is as follows:

|                                 | Number of<br>Options /<br>Warrants | Weighted-<br>Average<br>Exercise Price | Accrued<br>Options /<br>Warrants<br>Exercisable | Weighted-<br>Average<br>Exercise Price |
|---------------------------------|------------------------------------|----------------------------------------|-------------------------------------------------|----------------------------------------|
| Outstanding, September 30, 2004 | 8,000,000                          | \$ 0.15                                | 5,500,000                                       | \$ 0.15                                |
| Granted 2005                    | 7,125,000                          | \$ 0.17                                | 6,708,334                                       | \$ 0.17                                |
| Exercisable from 2004 in 2005   | -                                  |                                        | 1,200,000                                       | 0.15                                   |
| Outstanding, September 30, 2005 | 15,125,000                         | \$ 0.16                                | 13,408,334                                      | \$ 0.16                                |
| Granted 2006                    | 11,987,000                         | \$ 0.36                                | 5,543,000                                       | \$ 0.46                                |
| Exercised 2006                  | (4,375,000)                        | \$ 0.48                                | (4,375,000)                                     | \$ 0.48                                |
| Exercised from 2004 in 2006     | (100,000)                          | \$ 0.15                                | (100,000)                                       | \$ 0.15                                |
| Exercised from 2005 in 2006     | (6,375,000)                        | \$ 0.17                                | (6,375,000)                                     | \$ 0.17                                |
| Exercisable from 2004 in 2006   | -                                  | -                                      | 300,000                                         | \$ 0.15                                |

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|                                 |            |    |           |           |      |      |
|---------------------------------|------------|----|-----------|-----------|------|------|
| Exercisable from 2005 in 2006   | -          | -  | 300,000   | \$        | 0.20 |      |
| Outstanding, September 30, 2006 | 16,262,000 |    | 8,701,334 |           |      |      |
| Granted 2007                    | 1,950,000  | \$ | 0.46      | 554,167   | \$   | 0.46 |
| Exercised 2007                  | -          | -  | -         | -         | -    | -    |
| Exercised from 2004 in 2007     | (900,000)  | \$ | 0.15      | (900,000) | \$   | 0.15 |
| Exercised from 2005 in 2007     | -          | -  | -         | -         | -    | -    |

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|                                 | Number of<br>Options /<br>Warrants | Weighted-<br>Average<br>Exercise Price | Accrued<br>Options /<br>Warrants<br>Exercisable | Weighted-<br>Average<br>Exercise Price |
|---------------------------------|------------------------------------|----------------------------------------|-------------------------------------------------|----------------------------------------|
| Exercised from 2006 in 2007     | -                                  | -                                      | -                                               | -                                      |
| Exercisable from 2004 in 2007   | -                                  | -                                      | -                                               | -                                      |
| Exercisable from 2005 in 2007   | -                                  | -                                      | 116,666                                         | \$ 0.20                                |
| Exercisable from 2006 in 2007   | -                                  | -                                      | 296,000                                         | \$ 0.51                                |
| Outstanding, September 30, 2007 | 17,312,000                         | \$ 0.33                                | 8,768,167                                       | \$ 0.22                                |

At September 30, 2007, the range of warrant/option prices for shares under warrants/options not exercised and the weighted-average remaining contractual life is as follows:

| Range of<br>Option/Warrant<br>Prices | Options/Warrants Outstanding  |                                    |                                                          | Options/Warrants Exercisable  |                                    |  |
|--------------------------------------|-------------------------------|------------------------------------|----------------------------------------------------------|-------------------------------|------------------------------------|--|
|                                      | Number of<br>Options/Warrants | Weighted-Average<br>Exercise Price | Weighted-Average<br>Remaining<br>Contractual<br>Life(yr) | Number of<br>Options/Warrants | Weighted-Average<br>Exercise Price |  |
| \$ 0.15                              | 7,000,000                     | \$ 0.15                            | 1.9                                                      | 6,000,000                     | \$ 0.15                            |  |
| \$ 0.20                              | 750,000                       | \$ 0.20                            | 0.3                                                      | 750,000                       | \$ 0.20                            |  |
| \$ 0.25                              | 7,000,000                     | \$ 0.25                            | 3.0                                                      | 1,000,000                     | \$ 0.25                            |  |
| \$ 0.41                              | 100,000                       | \$ 0.41                            | 4.9                                                      | 4,167                         | \$ 0.41                            |  |
| \$ 0.45                              | 100,000                       | \$ 0.45                            | 4.6                                                      | 20,833                        | \$ 0.45                            |  |
| \$ 0.46                              | 1,650,000                     | \$ 0.46                            | 4.3                                                      | 500,000                       | \$ 0.46                            |  |
| \$ 0.51                              | 500,000                       | \$ 0.51                            | 3.8                                                      | 352,000                       | \$ 0.51                            |  |
| \$ 0.53                              | 100,000                       | \$ 0.53                            | 4.4                                                      | 29,167                        | \$ 0.53                            |  |
| \$ 1.69                              | 112,000                       | \$ 1.69                            | 3.5                                                      | 112,000                       | \$ 1.69                            |  |
|                                      | 17,312,000                    |                                    |                                                          | 8,768,167                     |                                    |  |

### Sales or Transactions of Securities

The authorized capital stock of the Company was established at 500,000,000 shares with no par value.

In the fiscal year ended September 30, 2005, the Company issued a total of 9,818,631 shares of common stock as follows: 6,735,137 shares of common stock were issued pursuant to Regulation S promulgated under the Securities Act, raising gross proceeds of \$531,396; 474,231 shares of common stock were issued in transactions exempt from registration pursuant to Section 4(2) of the Securities Act, for consulting services valued at \$40,000; and 2,609,263 shares of common stock were issued pursuant to an exemption under Section 4(2) of the Securities Act, in connection with the sale of an \$850,000 secured convertible debenture by the Company.

In the fiscal year ended September 30, 2006, the Company issued a total of 33,293,217 shares of common stock as follows: 33,120,851 shares of common stock registered pursuant to an effective registration statement were issued pursuant to the conversion of secured convertible debentures, raising gross proceeds of \$9,294,133; 72,366 shares of common stock were issued in transactions exempt from registration pursuant to Section 4(2) of the Securities Act, for consulting services valued at \$31,500; and 100,000 shares of common stock were issued pursuant to an exemption under Section 4(2) of the Securities Act, in connection with the exercise of 100,000 warrants bearing an exercise price of \$0.15 each.

In December 2006, the Company entered into a settlement agreement with a service provider in which the service provider returned to the Company 150,000 of the 300,000 shares of common stock issued to the service provider in

the period ended March 31, 2005. The shares were originally issued in a transaction exempt from registration pursuant to Section 4(2) of the Securities Act. The returned shares were received and cancelled effective January 2007. As a result of the return and cancellation of these shares, the Company recorded a credit to expenses in the amount of \$12,000 and a debit to paid in capital of \$12,000 for the period ending March 31, 2007. The \$12,000 represents one half of the monetary value expensed by the Company in the period in which the shares were issued.

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In conjunction with the sale of convertible debentures in the amount of \$850,000 and \$5,000,000 in the fiscal periods ended December 31, 2005 and 2006 respectively, the Company issued and deposited into escrow 26,798,418 shares of common stock as part of a security structure for the above referenced obligations. As of September 30, 2006, the principal balance of the debentures had been reduced to \$0.0. Subsequently the holder of the debentures provided the Company with a notice of release of its security interests and returned the security shares to the Company for cancellation. On January 18, 2007 the above shares were cancelled on the Company's books.

In September 2007, a consultant exercised the remaining 900,000 of the 1,000,000 \$0.15 warrants granted to the consultant in September 2004. The amount of \$135,000 dollars was paid to XsunX by the consultant and 900,000 shares of unregistered common stock were issued. The shares were issued in a transaction exempt from registration pursuant to Section 4(2) of the Securities Act.

On November 1, 2007, XsunX signed its \$21 million Purchase Agreement with Fusion Capital pursuant to which XsunX received \$1,000,000 from Fusion Capital as an initial purchase in exchange for 3,333,332 shares of our common stock. Concurrently with entering into the Purchase Agreement, we entered into a registration rights agreement with Fusion Capital pursuant to which we agreed to file a registration statement covering the shares that have been issued or may be issued to Fusion Capital under the Purchase Agreement. We now have the right over a twenty-five (25) month period to sell our shares of common stock to Fusion Capital, from time to time, in amounts up to \$1 million per sale, depending on certain conditions as set forth in the agreement, up to the full aggregate commitment of \$21 million.

The purchase price of the shares related to the \$20 million balance of future funding will be based on the prevailing market prices of the Company's shares at the time of sales without any fixed discount, and the Company will control the timing and amount of any sale of shares to Fusion Capital. There are no upper limits to the price Fusion Capital may pay to purchase our common stock. However, Fusion Capital shall not be obligated to purchase any shares of our common stock on any business day that the price of our common stock is below \$0.20. There are no negative covenants, restrictions on future fundings, penalties or liquidated damages in the agreement. The common stock purchase agreement may be terminated by us at any time at our discretion without any cost to us.

In consideration for entering into the \$21 million agreement we agreed to issue to Fusion Capital 3,500,000 shares of our common stock as financing commitment shares which Fusion Capital has agreed to hold for the term of the Purchase Agreement. Additionally, we granted Fusion Capital common stock purchase warrants to purchase 1,666,666 shares of our common stock at \$0.50, and 1,666,666 shares of our common stock at \$0.75. The shares underlying the warrant grants do not carry mandatory registration requirements under the terms of the Purchase Agreement and registration rights agreement.

On January 16, 2008, Cumorah Capital purchased 8,650,000 shares of the Company's restricted common stock in a private transaction for total proceeds of \$2,500,000.

#### **Use of Proceeds from the Sale of Securities**

The proceeds from the above sales of securities were used primarily to fund the product developments efforts and day-to-day operations of the Company and to pay the accrued liabilities associated with these operations.

**EXECUTIVE COMPENSATION****Compensation Discussion and Analysis****Summary Compensation Table – Fiscal Year Ended September 30, 2007**

| Name &<br>Principal Position                     | Fiscal<br>Years<br>Ended<br>September 30 | Salary     | Non-Equity Compensation |                         |                          |                                   |                                                   | All Other<br>Compensation (S) | Total      |
|--------------------------------------------------|------------------------------------------|------------|-------------------------|-------------------------|--------------------------|-----------------------------------|---------------------------------------------------|-------------------------------|------------|
|                                                  |                                          |            | Bonus<br>(\$)           | Stock<br>Awards<br>(\$) | Option<br>Awards<br>(\$) | Incentive<br>Compensation<br>(\$) | Nonqualified<br>Preferred<br>Compensation<br>(\$) |                               |            |
| Tom Djokovich,<br>President <sup>(1)</sup>       | 2007                                     | \$ 150,000 | -                       | -                       | -                        | -                                 | -                                                 | 4,800                         | \$ 154,800 |
|                                                  | 2006                                     | \$ 150,000 | -                       | -                       | -                        | -                                 | -                                                 | -                             | \$ 150,000 |
|                                                  | 2005                                     | \$ 150,000 | -                       | -                       | -                        | -                                 | -                                                 | -                             | \$ 150,000 |
| Joseph Grimes,<br>COO <sup>(2)</sup>             | 2007                                     | \$ 150,000 | -                       | -                       | 45,300                   | -                                 | -                                                 | 4,800                         | \$ 200,100 |
|                                                  | 2006                                     | \$ 150,000 | -                       | -                       | 154,267                  | -                                 | -                                                 | -                             | \$ 304,267 |
|                                                  | 2005                                     | \$ 0       | -                       | -                       | -                        | -                                 | -                                                 | -                             | \$ 0       |
| Jeff Huitt,<br>CFO <sup>(3)</sup>                | 2007                                     | \$ 135,000 | -                       | -                       | 45,300                   | -                                 | -                                                 | 4,800                         | \$ 185,100 |
|                                                  | 2006                                     | \$ 0       | -                       | -                       | -                        | -                                 | -                                                 | -                             | \$ 0       |
|                                                  | 2005                                     | \$ 0       | -                       | -                       | -                        | -                                 | -                                                 | -                             | \$ 0       |
| Robert Wendt,<br>VP Engineering <sup>(4)</sup>   | 2007                                     | \$ 150,000 | -                       | -                       | 45,300                   | -                                 | -                                                 | 3,600                         | \$ 198,900 |
|                                                  | 2006                                     | \$ 0       | -                       | -                       | -                        | -                                 | -                                                 | -                             | \$ 0       |
|                                                  | 2005                                     | \$ 0       | -                       | -                       | -                        | -                                 | -                                                 | -                             | \$ 0       |
| Dr. Guang Lin,<br>Chief Scientist <sup>(5)</sup> | 2007                                     | \$ 63,462  | -                       | -                       | 0                        | -                                 | -                                                 | 4,393                         | \$ 67,855  |
|                                                  | 2006                                     | \$ 0       | -                       | -                       | -                        | -                                 | -                                                 | -                             | \$ 0       |
|                                                  | 2005                                     | \$ 0       | -                       | -                       | -                        | -                                 | -                                                 | -                             | \$ 0       |

(1) In the fiscal period ended September 30, 2007, the Company agreed to pay Mr. Djokovich an annual salary of \$150,000 for services provided as Chief Executive Officer up to and until the Company determines executive compensation pursuant to an employment agreement as determined by our Board of Directors. In addition to Mr. Djokovich's base compensation the Company also provides Mr. Djokovich with a \$400 monthly health insurance allowance. Effective November 2007 the Company agreed to increase Mr. Djokovich annual salary to \$220,000. When necessitated by the Company's adverse financial condition Mr. Djokovich has agreed to the deferment of his monthly salary up to and until such time that the Company can repay any such deferred amounts.

(2) The Company has agreed to pay Mr. Grimes an annual salary of \$150,000 for services provided as Chief Operating Officer under the terms of an employment agreement effective January 1, 2007. The calculated value of Mr. Grimes stock options at September 30, 2007 is \$214,668. In addition to Mr. Grimes base compensation the Company also provides Mr. Grimes with a \$400 monthly health insurance allowance. Effective November 2007, the Company agreed to increase Mr. Grimes annual salary to \$210,000.

- (3) The Company has agreed to pay Mr. Huitt an annual salary of \$135,000 for services provided as Chief Financial Officer under the terms of an employment agreement effective January 1, 2007. The calculated value of Mr. Huitt's stock options at September 30, 2007 is \$60,400. In addition to Mr. Huitt's base compensation the Company also provides Mr. Huitt with a \$400 monthly health insurance allowance. Effective November 2007, the Company agreed to increase Mr. Huitt's annual salary to \$155,000.
- (4) The Company has agreed to pay Mr. Robert Wendt an annual salary of \$150,000 for services provided as Vice-President of Engineering under the terms of an employment agreement effective January 1, 2007. The calculated value of Mr. Wendt's stock options at September 30, 2007 is \$45,300. In addition to Mr. Wendt's base compensation the Company also provides Mr. Wendt with a \$300 monthly health insurance allowance. Effective November 2007, the Company agreed to increase Mr. Wendt's annual salary to \$200,000.
- (5) The Company has agreed to pay Dr. Guang Lin an annual salary of \$100,000 for services provided as Chief Scientist of which he received a prorate amount of \$63,462 during the fiscal year ending September 30, 2007. Dr. Lin did not have any stock options vested as of September 30, 2007. In addition to Dr. Lin's base compensation the Company also provides Dr. Lin with a \$300 monthly health insurance allowance. The Company also provided a relocation allowance to Dr. Lin of \$2,293.

The assumptions used in the calculation of the valuation of the options reported in this table in the Company's financial statements for the year ended September 30, 2007 and included in footnotes 2, Summary of Significant Accounting Policies and 6, Stock Options and Warrants of our financial statements.

**Grants of Plan-Based Awards Table – Fiscal Year Ended September 30, 2007**

| Name                                | GRANTS OF PLAN-BASED AWARDS<br>Estimated Future Payouts Under<br>Non-Equity Incentive Plan Awards |                   |                |                 |                   |                | Estimated Future Payouts Under<br>Equity Incentive Plan Awards |                                                                  |                                                                                    |                                                                | Grant<br>Date<br>Fair<br>Value of<br>Stock and<br>Option<br>Awards |
|-------------------------------------|---------------------------------------------------------------------------------------------------|-------------------|----------------|-----------------|-------------------|----------------|----------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------|
|                                     | Grant<br>Date                                                                                     | Threshold<br>(\$) | Target<br>(\$) | Maximum<br>(\$) | Threshold<br>(\$) | Target<br>(\$) | Maximum<br>(\$)                                                | All Other<br>Stock<br>Awards:<br>Number of<br>Shares<br>of Stock | All Other<br>Option<br>Awards:<br>Number of<br>Securities<br>Underlying<br>Options | Exercise<br>or Base<br>Price of<br>Option<br>Awards<br>(\$/Sh) |                                                                    |
| (a)                                 | (b)                                                                                               | (c)               | (d)            | (e)             | (f)               | (g)            | (h)                                                            | (i)                                                              | (j)                                                                                | (k)                                                            | (l)                                                                |
| Tom Djokovich,<br>CEO               | n/a                                                                                               | 0                 | 0              | 0               | 0                 | 0              | 0                                                              | 0                                                                | 0                                                                                  | 0                                                              | 0                                                                  |
| Jeff Huitt,<br>CFO (2)              | 1/26/07                                                                                           | 0                 | 0              | 0               | 0                 | 0              | 0                                                              | 0                                                                | 500,000                                                                            | 0.46                                                           | \$ 45,300                                                          |
| Joe Grimes,<br>COO (1)              | 1/26/07                                                                                           | 0                 | 0              | 0               | 0                 | 0              | 0                                                              | 0                                                                | 500,000                                                                            | 0.46                                                           | \$ 45,300                                                          |
| Robert Wendt,<br>VP Engineering (3) | 1/26/07                                                                                           | 0                 | 0              | 0               | 0                 | 0              | 0                                                              | 0                                                                | 500,000                                                                            | 0.46                                                           | \$ 45,300                                                          |
| Guang Lin,<br>Chief Scientist       | n/a                                                                                               | 0                 | 0              | 0               | 0                 | 0              | 0                                                              | 0                                                                | 0                                                                                  | 0                                                              | 0                                                                  |

- (1) Employment Incentive Options - In connection with the issuance of an employment agreement to Joseph Grimes in January 2007, the Company granted 500,000 options effective January 1 at the then market price of \$0.46. The option began vesting at the rate of 50,000 shares per calendar quarter up to a total of 400,000 shares. Another 50,000 shall vest and become exercisable upon each of the first two sales/licensure of an XsunX system.
- (2) Employment Incentive Option - In connection with the issuance of an employment agreement to Jeff Huitt in January 2007, the Company granted 500,000 options effective January 1 at the then market price of \$0.46. The option began vesting at the rate of 50,000 shares per calendar quarter up to a total of 400,000 shares. Another 50,000 shall vest and become exercisable upon each of the first two sales/licensure of an XsunX system.
- (3) Employment Incentive Option - In connection with the issuance of an employment agreement to Robert Wendt in January 2007, the Company granted 500,000 options effective January 1 at the then market price of \$0.46. The option began vesting at the rate of 50,000 shares per calendar quarter up to a total of 400,000 shares. Another 50,000 shall vest and become exercisable upon each of the first two sales/licensure of an XsunX system

**Narrative Disclosure to Summary Compensation Table and Grants of Plan-Based Awards Table**

The Company currently offers several basic forms of compensation. Salary, stock options, vacation and health care reimbursement. The compensation of executive officers is approved by the disinterested members of the Board of Directors and offered in employment agreements. The material terms of each executive officer's employment agreement include:

Mr. Tom M. Djokovich, CEO & President: In the fiscal period ended September 30, 2007, the Company agreed to pay Mr. Djokovich an annual salary of \$150,000 for services provided as Chief Executive Officer up to and until the Company determines executive compensation pursuant to an employment agreement as determined by the Board. In addition to Mr. Djokovich's base compensation the Company also provides Mr. Djokovich with a \$400 monthly health insurance allowance. Effective November 2007, the Company agreed to increase Mr. Djokovich annual salary to \$220,000. Additionally, the Company has not provided to Mr. Djokovich with cash or stock incentives or bonus payment rights related to his employment, or otherwise. This salary represents 97% of Mr. Djokovich's 2007 fiscal year compensation.

Mr. Jeff Huitt, CFO: Mr. Huitt's employment agreement is for two (2) years commencing on January 1, 2007. It called for initial base salary of \$135,000 with bonus opportunities should revenue be achieved during the term of the agreement ranging from \$5,000 bonus for \$5,000,000 in revenue to \$15,000 bonus in excess of \$25,000,000 of revenue. Vacation is set at fifteen (15) paid days per year. Health care reimbursement totals \$400 per month. The agreement also contains provisions for six (6) months of salary to be paid within sixty (60) days should a sale of all or substantially all of the stock or assets of the company which results in termination or relocation within one (1) year of the sale. The agreement calls for termination without notice for good cause and includes confidentiality provisions. Compensation increases, if any, during the term of this agreement are subject to approval by the Board of Directors. Additionally, the Company granted Mr. Huitt 500,000 options effective January 1, 2007 at the then market price of \$0.46. The option began vesting at the rate of 50,000 shares per calendar quarter up to a total of 400,000 shares. Another 50,000 shall vest and become exercisable upon each of the first two sales/licensure of an XsunX system. This salary represents 73% of Mr. Huitt's 2007 fiscal year compensation.

Mr. Joseph Grimes, COO: The agreement is for two years commencing on January 1, 2007. It called for initial base salary of \$150,000 with bonus opportunities should revenue be achieved during the term of the agreement ranging from \$5,000 bonus for \$5,000,000 in revenue to \$15,000 bonus in excess of \$25,000,000 of revenue. Vacation is set at fifteen (15) paid days per year. Health care reimbursement totals \$400 per month. The agreement contains provisions for six (6) months of salary to be paid within sixty (60) days should a sale of all or substantially all of the stock or assets of the company which results in termination or relocation within one year of the sale. The agreement calls for termination without notice for good cause and includes confidentiality provisions. Compensation increases, if any, during the term of this agreement are subject to approval by the Board of Directors. Additionally, the Company granted Mr. Grimes 500,000 options effective January 1, 2007 at the then market price of \$0.46. The option began vesting at the rate of 50,000 shares per calendar quarter up to a total of 400,000 shares. Another 50,000 shall vest and become exercisable upon each of the first two sales/licensure of an XsunX system. This salary represents 42% of Mr. Grimes' 2007 fiscal year compensation.

Mr. Robert Wendt, VP - Engineering: The agreement is for two (2) years commencing on January 1, 2007. It called for initial base salary of \$150,000 with bonus opportunities should revenue be achieved during the term of the agreement ranging from \$5,000 bonus for \$5,000,000 in revenue to \$15,000 bonus in excess of \$25,000,000 of revenue. Vacation is set at fifteen (15) paid days per year. Health care reimbursement totals \$300 per month. The agreement contains provisions for six months of salary to be paid within sixty (60) days should a sale of all or substantially all of the stock or assets of the company which results in termination or relocation within one year of the sale. The agreement calls for termination without notice for good cause and includes confidentiality provisions. Compensation increases, if any, during the term of this agreement are subject to approval by the Board of Directors. Additionally, the Company granted Mr. Wendt 500,000 options effective January 1, 2007 at the then market price of \$0.46. The option began vesting at the rate of 50,000 shares per calendar quarter up to a total of 400,000 shares. Another 50,000 shall vest and become exercisable upon each of the first two sales/licensure of an XsunX system. This salary represents 75% of Mr. Wendt's 2007 fiscal year compensation.

Dr. Guang Lin, Chief Scientist: There is not an employment agreement with Dr. Lin, rather a Memorandum of Understanding that details an accepted offer letter. Dr. Lin is an at-will employee. His employment commenced on April 18, 2007 with a base salary of \$100,000. There are no specific bonus opportunities currently offered. He is entitled to seven (7) days of vacations plus normal approved company holidays. Dr. Lin also receives a \$300 per month allowance for health insurance. Dr. Lin is subject to non-compete and confidentiality agreements. This salary represents 94% of Dr. Lin's 2007 fiscal year compensation.

## Outstanding Equity Awards at Fiscal Year-End Table – Fiscal Year Ended September 30, 2007

## OUTSTANDING EQUITY AWARDS AT FISCAL YEAR-END

## OPTION AWARDS

## STOCK AWARDS

| Name                                     | Number<br>of<br>Securities<br>Underlying<br>Unexercised<br>Options<br>Exercisable | Number<br>of<br>Securities<br>Underlying<br>Unexercisable<br>Options | Equity<br>Incentive<br>Plan<br>Awards:<br>Number<br>of<br>Securities<br>Underlying<br>Unexercised<br>Options | Option<br>Exercise<br>Price<br>(\$) | Option<br>Expiration<br>Date       | Equity<br>Incentive<br>Plan<br>Awards:<br>Number<br>of<br>Securities<br>Underlying<br>Unexercised<br>Options | Market<br>Value<br>of<br>Unearned<br>Shares,<br>Units<br>or<br>Other<br>Rights<br>That<br>Have<br>Not<br>Vested | Equity<br>Incentive<br>Plan<br>Awards:<br>Number<br>of<br>Securities<br>Underlying<br>Unexercised<br>Options | Market<br>Value<br>of<br>Unearned<br>Shares,<br>Units<br>or<br>Other<br>Rights<br>That<br>Have<br>Not<br>Vested |
|------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|                                          |                                                                                   |                                                                      |                                                                                                              |                                     |                                    |                                                                                                              |                                                                                                                 |                                                                                                              |                                                                                                                 |
| (a)                                      | (b)                                                                               | (c)                                                                  | (d)                                                                                                          | (e)                                 | (f)                                | (g)                                                                                                          | (h)                                                                                                             | (i)                                                                                                          | (j)                                                                                                             |
| Tom Djokovich,<br>CEO                    | 0                                                                                 | 0                                                                    | 0                                                                                                            | 0                                   | 0                                  | 0                                                                                                            | 0                                                                                                               | 0                                                                                                            | 0                                                                                                               |
| Joseph Grimes,<br>COO (1)                | 112,000<br>352,000<br>150,000                                                     | 0<br>148,000<br>350,000                                              | 0<br>0<br>0                                                                                                  | \$ 1.69<br>\$ 0.51<br>\$ 0.46       | 4/5/2011<br>7/20/2011<br>1/26/2012 |                                                                                                              |                                                                                                                 | 0<br>0<br>0                                                                                                  | 0<br>0<br>0                                                                                                     |
| Jeff Huitt, CFO<br>(2)                   | 150,000<br>0<br>0                                                                 | 350,000<br>0<br>0                                                    | 0<br>0<br>0                                                                                                  | \$ 0.46<br>0<br>0                   | 1/26/2012<br>0<br>0                | 0<br>0<br>0                                                                                                  | 0<br>0<br>0                                                                                                     | 0<br>0<br>0                                                                                                  | 0<br>0<br>0                                                                                                     |
| Robert Wendt,<br>VP – Engineering<br>(3) | 150,000                                                                           | 350,000                                                              | 0<br>0<br>0<br>0                                                                                             | \$ 0.46                             | 1/26/2012                          | 0<br>0<br>0<br>0                                                                                             | 0<br>0<br>0<br>0                                                                                                | 0<br>0<br>0<br>0                                                                                             | 0<br>0<br>0<br>0                                                                                                |
| Guang Lin,<br>Chief Scientist            |                                                                                   |                                                                      | 0                                                                                                            |                                     |                                    | 0                                                                                                            | 0                                                                                                               | 0                                                                                                            | 0                                                                                                               |

(1) Employment Incentive Warrants - In connection with the issuance of an employment agreement to Joseph Grimes in April 2006, the Company granted 500,000 warrants at the then market price of \$1.69. On July 20, 2006 the

Company and Mr. Grimes mutually agreed to the cancellation of the remaining 388,000 unvested balance of this warrant and to the grant of a new warrant agreement in the amount of 500,000 warrants at the then market price of \$0.51. The warrant will expire five (5) years after the date of the grant and is subject to the following vesting provisions:

- (a) The Warrant shall become exercisable at the rate of Twenty-Eight Thousand (28,000) shares per month up to and through the first nine (9) months of employment of Optionee by Company.
- (b) One Hundred Thousand (100,000) shares shall become exercisable upon the completion and delivery of a marketing plan by Optionee to the Board of Directors.
- (c) One Hundred Forty Eight Thousand (148,000) shares shall become exercisable upon the first sale or licensure of an XSUNX, Inc. technology under the marketing plan.

Employment Incentive Option — In connection with the issuance of an employment agreement to Joseph Grimes in January 2007, the Company granted 500,000 options effective January 1, 2007 at the then market price of \$0.46. The option began vesting at the rate of 50,000 shares per calendar quarter up to a total of 400,000 shares. Another 50,000 shall vest and become exercisable upon each of the first two sales/licensure of an XsunX system.

- (2) Employment Incentive Option — In connection with the issuance of an employment agreement to Jeff Huitt in January 2007, the Company granted 500,000 options effective January 1, 2007 at the then market price of \$0.46. The option began vesting at the rate of 50,000 shares per calendar quarter up to a total of 400,000 shares. Another 50,000 shall vest and become exercisable upon each of the first two sales/licensure of an XsunX system.

(3)Employment Incentive Option — In connection with the issuance of an employment agreement to Robert Wendt in January 2007, the Company granted 500,000 options effective January 1, 2007 at the then market price of \$0.46. The option began vesting at the rate of 50,000 shares per calendar quarter up to a total of 400,000 shares. Another 50,000 shall vest and become exercisable upon each of the first two sales/licensure of an XsunX system.

### Option Exercises and Stock Vested Table – Fiscal Year Ended September 30, 2007

| Name                           | OPTION AWARDS   |                | STOCK AWARDS    |                |
|--------------------------------|-----------------|----------------|-----------------|----------------|
|                                | Number of       | Value Realized | Number of       | Value Realized |
|                                | Shares Acquired | on Exercise    | Shares Acquired | on Vesting     |
|                                | (#)             | (\$)           | (#)             | (\$)           |
| (a)                            | (b)             | (c)            | (d)             | (e)            |
| Tom Djokovich, CEO             | 0               | 0              | 0               | 0              |
| Jeff Huitt, CFO                | 0               | 0              | 0               | 0              |
| Joe Grimes, COO                | 0               | 0              | 0               | 0              |
| Robert Wendt, VP - Engineering | 0               | 0              | 0               | 0              |
| Guang Lin, Chief Scientist     | 0               | 0              | 0               | 0              |

### Pension Benefits Table

None.

### Nonqualified Deferred Compensation Table

None.

### Potential Payments Upon Termination or Change-in-Control

The Company does have change-in-control obligations to its two (2) executive officers, Mr. Jeff Huitt and Mr. Joseph Grimes for six (6) months of base salary should a sale of all or substantially all of the Company's assets or stock occurs that results in termination of relocation of the officers within one year of the transaction. The payment shall be made as a lump sum within sixty (60) days of the transaction. Payment for accrued but unused vacation time would be made as well. Relocation is defined as requiring the executive officer to relocate to a new work location, not in the same metropolitan areas of their current work location, as a result of the transaction. The underlying employment agreements of Mr. Huitt and Mr. Grimes contain a confidentiality clause that does not expire and a two-year non-solicitation clause. Neither of these contractual requirements is affected by the provisions of the change-in-control obligations. All other benefits provided by the company terminate on the date the executive leave the Company.

### Compensation of Directors

In the fiscal period ended September 30, 2007, directors received no cash compensation for their service to the Company as directors, but were reimbursed for expenses actually incurred in connection with attending meetings of our Board of Directors. On October 23, 2007 and further amended on November 12, 2007, the Company issued Mr. Anderson 1,500,000 if incentive stock options. On November 12, 2007, Mr. Fundingsland was issued 500,000 incentive stock options and on November 28, 2007, the Company issued Mr. Russak 500,000. These grants were made for their services on the Board of Directors. Additional information regarding these grants and the associated vesting schedules are located in Note 12 – Subsequent Events of the Financial Statements ending September 30, 2007.



**Director Compensation Table – Fiscal Year Ended September 30, 2007**

| Name            | Fees<br>Earned<br>or Paid<br>in Cash<br>(\$) | Stock<br>Awards<br>(\$) | Option<br>Awards<br>(\$) | Non-Equity<br>Incentive<br>Plan<br>Compensation<br>(\$) | Change in<br>Pension<br>Value<br>and<br>Nonqualified<br>Deferred<br>Compensation<br>Earnings | All Other<br>Compensation<br>(\$) | Total<br>(\$) |
|-----------------|----------------------------------------------|-------------------------|--------------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------|---------------|
|                 |                                              |                         |                          |                                                         |                                                                                              |                                   |               |
| Tom Djokovich   | 0                                            | 0                       | 0                        | 0                                                       | N/A                                                                                          | 0                                 | 0             |
| Thomas Anderson | 0                                            | 0                       | 0                        | 0                                                       | N/A                                                                                          | 0                                 | 0             |
| Oz Fundingsland | 0                                            | 0                       | 0                        | 0                                                       | N/A                                                                                          | 0                                 | 0             |
| Michael Russak  | 0                                            | 0                       | 0                        | 0                                                       | N/A                                                                                          | 0                                 | 0             |

Beginning October 2007, the Company elected to provide its Board of Directors with a monthly stipend of \$1,500. The decision was driven by the Company's efforts to attract and retain qualified members, and provide compensation during a period of expansion of operations while the Company works to establish manufacturing facilities. The Company authorized incentive option grants to the following Directors at an exercise price per share of \$0.36. The options were issued in a transaction exempt from registration pursuant to Section 4(2) of the Securities Act of 1933. The options carry 5 year exercise terms and vest as described below: