



# SunSi Energies Inc.

September 20, 2011

## Sector:

Chemicals

## Industry:

Solar Energy and  
Semiconductor  
Materials

**Symbol:** SSIE

**Shares  
Out:** 27.78M

**Fully  
Diluted:** 27.78M

**Float:** 18.72M

**Market  
Cap:** 119M

**52-Week  
High:** \$5.00

**52-Week  
Low:** \$ .86

## Company Profile

### SunSi Energy Inc.

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WE POWER THE  
SOLAR INDUSTRY  
**SunSi** TICKER: SSIE  
WWW.SUNSIENERGIES.COM



**SunSi Energies'** goal is to acquire, develop, and operate a portfolio of high quality Trichlorosilane (TCS) production facilities (and in some cases distribution rights) that are strategically located and possess a potential for future growth and expansion. Relatively unknown, Trichlorosilane is the main feedstock used in the production of polysilicon, which is essential to the solar photovoltaic (PV) industry. It is believed SunSi Energies will become the first and only "pure play" public company in the world focused 100% on the production of Trichlorosilane. SunSi Energies Inc. is quickly positioning itself to take advantage of one of the fastest growing trends and markets in the world today – the solar market.



## The Product

Trichlorosilane ( $\text{SiHCl}_3$ ) is a colorless liquid derived from silicon powder. It is the key intermediate compound used to produce extremely pure polysilicon, with which computer chips and solar cells are made. The existing barriers to enter the solar energy industry varies depending where on the PV panel value chain a company wishes to become involved. For example, becoming a Trichlorosilane or polysilicon producer at the front end of the PV production process is difficult, it requires special permitting, large capital investment, in addition to several years of planning and construction. Because of this, companies involved in Trichlorosilane and polysilicon production currently tend to achieve the highest profit, followed by solar cell manufacturers.

## Solar Market Outlook

Despite a slowdown and falling prices due to the economic downturn, current market indicators are pointing towards a loosening credit for solar projects, as well as further global government efforts in key markets, such as China and the United States. The outlook and industry forecast for the next 4 years, as reported by Solarbuzz, a highly respected source in the solar industry, remain positive. By 2012, it is expected to be over 135% over the 2007 levels.

**"Growth opportunities are emerging particularly for high quality low cost manufacturers such as the major Chinese producers."**

Regreasing the Solar Wheels, Energy & Capital



## Investment Case:

- High growth solar sector
- Current and upcoming government incentives
- Highest profit in the solar value chain
- High quality products at a low production cost
- Positioned for international growth and expansion



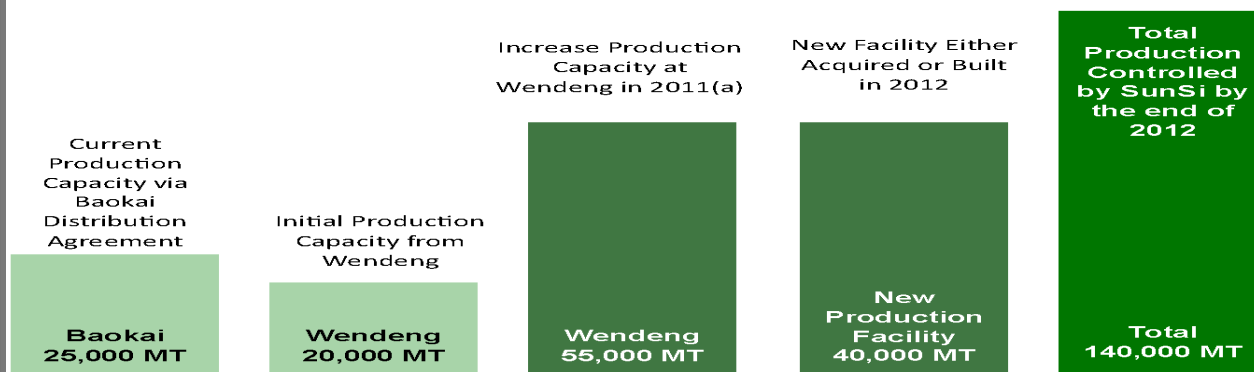


### SunSi foresees a growth, both in geographic terms and TCS demand.

SunSi's objective is to control 140,000 Metric Tons (MT) of TCS per year within the next 3 years through expansion and/or acquisitions. SunSi has already identified North America and Europe as high potential markets. Countries, such as Germany and Spain, have led the demand for solar PV in recent years, while the United States is expected to experience a significant growth before 2012 in the renewable energy and solar markets. The Chinese government plans to spend \$454 billion in alternative energy over the next 10 years, the majority of which is intended to affect a five-fold increase in Chinese solar production by 2020. Plus, with inexpensive raw material, low labor costs, major, scalable facilities, a base of large clients, and an estimated 65% of global solar production capacity, China is the place to be for solar production. In addition, SunSi expects to become a key supplier to the emerging Chinese and Asian polysilicon and solar energy markets. With a professional and experienced team in China that has developed a number of leading technologies used in TCS production, SunSi also foresees future opportunities in terms of technology transfers and licensing.



SunSi's target is to reach 140,000 MT of TCS capacity per year, which is estimated to represent approximately 30% of the Chinese TCS market, by the end of 2012.



(a) 10,000 MT of this capacity is scheduled for completion by 5/31/2011

## SunSi Energies Recent Highlights

- Closed its first acquisition of 90% of a TCS distribution company, Baokai, in December 2010.
- Closed its second transaction with the acquisition of a 60% equity interest in a TCS manufacturing company, Wendeng, in March, 2011.
- In 3Q11, emerged from development stage status to an operating entity.
- In 4Q11, began generating significant revenues and recorded the first profitable quarter in Company history.
- In June 2011 the Company fulfilled its payment obligation to Wendeng when \$2.7 million in redeemable SunSi common stock was converted to equity.
- Initiated the up-listing process to a major exchange for SunSi's common stock.
- Significantly increased company visibility, with daily trading volume reaching a recent peak of tens of thousands of shares compared to only hundreds per day just a few months ago.
- Raised total shareholder count from 45 shareholders of record in 2010, to 424 shareholders of record in 2011.
- Entered into negotiations to acquire a scalable TCS manufacturing facility with current production capacity of 20,000 metric tons ("MT") and infrastructure in place to expand to 60,000 MT.
- Shipped first TCS order outside of China.
- Completed Phase I of Wendeng's capacity expansion which increased production capacity from 20,000 to 30,000 metric tons. The extra 10,000 MT of capacity is expected to be fully operational by mid-to- late October 2011. Management expects that all of the new capacity at Wendeng will be fully utilized due to strong customer demand.

# THEY POWER THE SOLAR INDUSTRY



## Zibo Baoyun Chemical Facility ("ZBC")

The Zibo Baoyun Chemical facility is located in Zibo, Shandong Province, China (approx. 50 miles east of Jinan). Set up on a 24-acre property, the site is easily accessible via rail, water and major highways.

### ZBC Facility:

**130 Employees**



### Wendeng Facility:

**60 Employees**



## Wendeng He Xie Silicon Facility (Wendeng)

Wendeng He Xie Silicon Co. Ltd. is located in Wendeng, Shandong Province, China near the strategic port of Weihai.



**SunSi Energies, Inc. (OTCQB:SSIE) through its operations in mainland China, manufactures a trichlorosilane (TCS), a critical intermediate compound used to produce extremely pure polysilicon, with which computer chips and solar photovoltaic ("PV") cells are made.**

## "WITHOUT TCS THERE IS NO SOLAR INDUSTRY"

- Currently TCS is an essential raw material used in the manufacturing of 75-80% all solar panels worldwide.
- TCS or (SiHCl<sub>3</sub>) is a colorless liquid containing silicon, hydrogen, and chlorine. Companies involved in the manufacturing of TCS achieve the highest profit margin on the solar value chain.

## FINANCIAL PROJECTIONS

Sept 20, 2011 Press release SSIE	2011 Actual (audited)	2012 Guidance
<b>Revenue</b>	<b>\$15.1M</b>	<b>\$49M - 52M</b>
<b>EBITDA</b>	<b>\$330,000</b>	<b>\$3.2M - 4.1M</b>
<b>EBITDA Less Non-Controlling Int.</b>	<b>\$148,000</b>	<b>\$2.2M - 3.1M</b>
<b>TCS Capacity (MT) as of 5/31/11</b>	<b>45,000</b>	<b>0</b>
<b>Current TCS Capacity (MT)</b>	<b>0</b>	<b>55,000</b>
<b>Est. TCS Capacity 5/31/12</b>	<b>0</b>	<b>100,000</b>

## SunSi Management Team

SunSi has assembled a team of seasoned international executives as well as leading technology experts.

The Management team has a significant international experience in operating businesses across national boundaries. Each member possesses significant experience dealing with listed public companies.

### SunSi Corporate Team Members:

- David Natan, CEO & CFO, Director
- Richard St-Julien, Vice President & CLO, Director
- Yifeng Song, Director of Business Development
- Changming Chen, Head Representative for China
- Zhang Fahe, Director of Technology
- Kebir Ratnani, Director



### Baokai/ ZBC Team Members:

- Song Yihua, General Manager
- Zhang Qinliang, Production Factory Manager
- Wang Libin, Sales and Supply Manager
- Zhang Bin, Transportation Manager



### Wendeng Team Members:

- Liu Dongqiang, General Manager
- Yifeng Song, Deputy General Manager
- Zhang Fahe, Chief Technology Officer
- Guo Zhaojie, Production Manager
- Gong Yongguang, Purchasing Manager



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