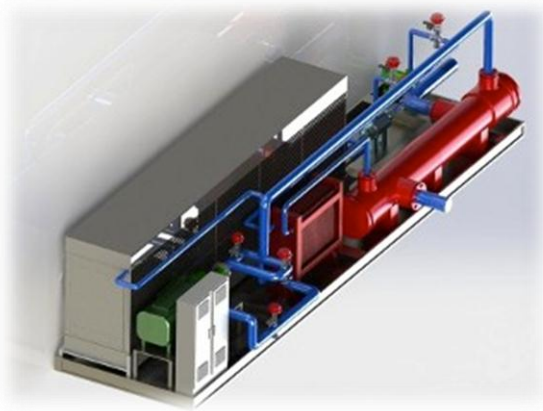


# Capitalizing on the Energy Industry



**SUNSi**

SunSi Energies, Inc.

Ticker: OTCQB : SSIE

August 2012

# Forward-Looking Statements

Except for statements of historical fact, the matters discussed in this press release are forward-looking. "Forward-looking statements" describe future expectations, plans, results, or strategies and are generally preceded by words such as "future," "plan" or "planned," "expects," or "projected." These forward-looking statements reflect numerous assumptions and involve a variety of risks and uncertainties, many of which are beyond the company's control that may cause actual results to differ materially from stated expectations. Some of the factors that could cause actual results to differ materially from the forward-looking statements contained herein include, without limitation: (i) TPE being accretive to SunSi earnings in 2012 (ii) competitive viability of TPE's technology, (iii) our ability to leverage markets in China for the TPE product, (iv) integration issues following the acquisition, (v) our ability to market and sell LED products produced by Lightsky and (vi) other factors detailed in documents we file from time to time with the Securities and Exchange Commission, which are available at [www.sec.gov](http://www.sec.gov).

# SunSi Business Profile

- U.S. public company listed on the OTCQB – NASDAQ application in final stages.

## **THREE DISTINCT BUSINESS SEGMENTS:**

- Owns 51% of TransPacific Energy, Inc. (“TPE”) a U.S. based renewable energy technology provider that uses “waste heat” from various manufacturing and other sources to provide clean electricity.
- Recently entered into a distribution agreement to be the exclusive North American distributor of LED commercial lighting and fixtures with a premier LED manufacturer in China.
- Is a significant producer of trichlorosilane (“TCS”) in China. TCS is a chemical primarily used in the production of polysilicon, which is an essential raw material in the production of solar cells for PV panels that convert sunlight to electricity.

# Public Company Profile

## “SSIE” - OTCQB(A)

➤ Shares Outstanding August 1, 2012	30,654,588
➤ Management Share Ownership (B)	36.0 %
➤ Market cap as August 14, 2012	\$75,103,000
➤ Corporate Debt	\$100,000
➤ Warrants options outstanding(C)	300,000
➤ Stockholders' Equity as of 6/30/2012	\$5.1 million

*(A) Fully reporting –in final stage of NASDAQ listing*

*(B) Management shares voluntarily locked up since 2010 until 2013*

*(C) All warrants exercisable at \$2.00 per share and expire on August 15, 2013 - No options outstanding*

# Business Objectives

- Develop and expand current business segment generating organic growth
- Embark on a series of synergistic acquisitions that broadens SunSi's reach, create new revenue streams and opportunities as well diversifying our customer base both domestically and internationally.
- Leverage corporate overhead to maximize earnings potential
- Generate superior profitability and stock appreciation for our shareholders.

# 2011 and 2012 Highlights

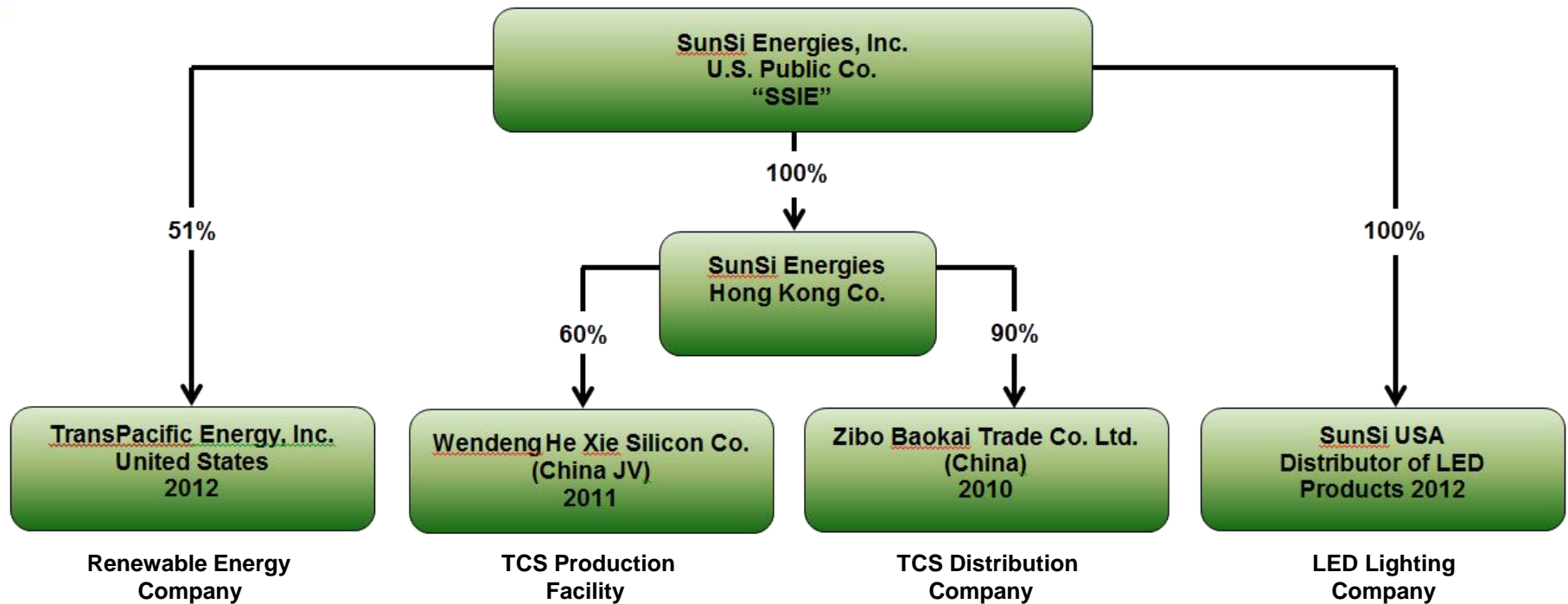
## 2011

- 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. Completed Phase I of Wendeng's capacity expansion which increased production capacity from 20,000 to 30,000 metric tons
- Emerged from development stage status to an operating entity.
- Initiated the up-listing process to NASDAQ-currently in advanced stages.
- Raised total shareholder count from 45 shareholders of record in 2010, to an estimated 550+ current shareholders.

## 2012

- Acquired controlling interest in TransPacific (“TPE”) a renewal energy
- Acquired exclusive North American rights to distribute LED lighting for prominent Chinese manufacturer

# SunSi Corporate Structure



# Renewable Energy: Huge Market Opportunity

- **ELECTRICITY DEMAND EXPECTED TO DOUBLE BY 2030**
- **\$11 TRILLION WILL BE SPENT BY THEN ON ENERGY INFRASTRUCTURE- ACCORDING TO IEA**
- **THE RENEWABLE ENERGY MARKET ESTIMATED TO BE \$500 BILLION**

## **According to the DOE:**

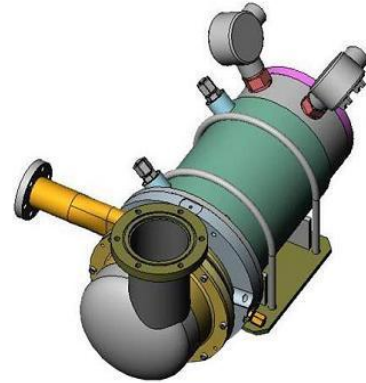
- 47,500 stacks in just the U.S.
  - represent 75% of untapped wasted heat above 500F
  - heat can produce at least 50,000 megawatts
  - representing \$75 billion in gross revenue at \$1.5 million/MW.

## **TPE Heat Recovery Technology Offers Solutions:**

- Makes projects with no or marginal return profitable
  - Solar, Geothermal, Wind
  - Warm sea water OTEC, Thermal Storage
  - Biomass, High medium and low temperature heat sources



# Renewable Energy Segment



- Adding TPE' s innovative energy system technology broadens SunSi' s reach in the green energy renewal arena.
- There are a very large number of untapped industries that require real solutions to their existing waste energy and energy conversion problems including landfills, biomass, geothermal energy and as well as solar.
- TPE installations qualify for federal and state renewable energy credits- in some cases as high as 60% of the cost of the equipment subsidized.
- Enables faster ROI for end user, and generates ongoing revenue for SunSi.



# Acquisition of TransPacific



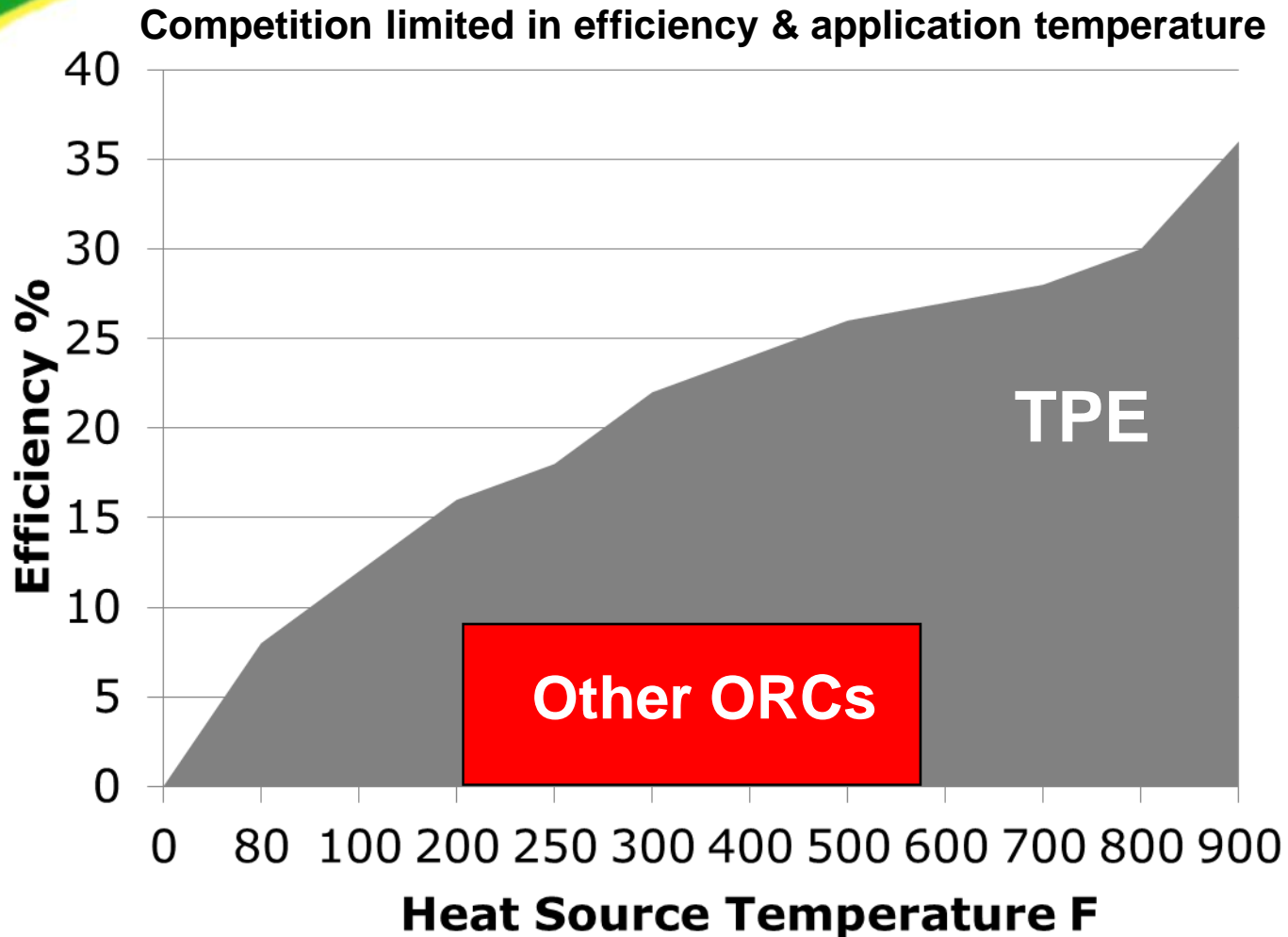
**TransPacific Energy (“TPE” )**

## **Proprietary and Innovative Refrigerant Mixtures Transforming the Heat Recovery Industry**

- Sells systems directly to customers for their installation and operation
- TPE owns, installs and operates ORC systems, sell electricity, PPA
- Licenses TPE technology for specific applications and markets
- R&D....new ORC applications & Renewable Energy



# TPE – Major Advantage Against Competitors

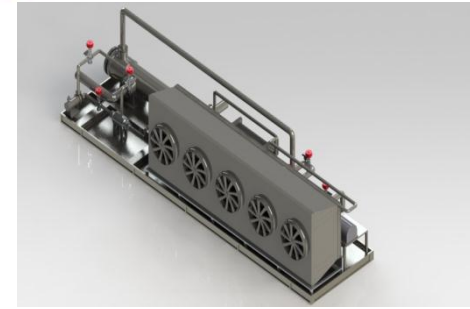


# TPE – A Substantial Advantage

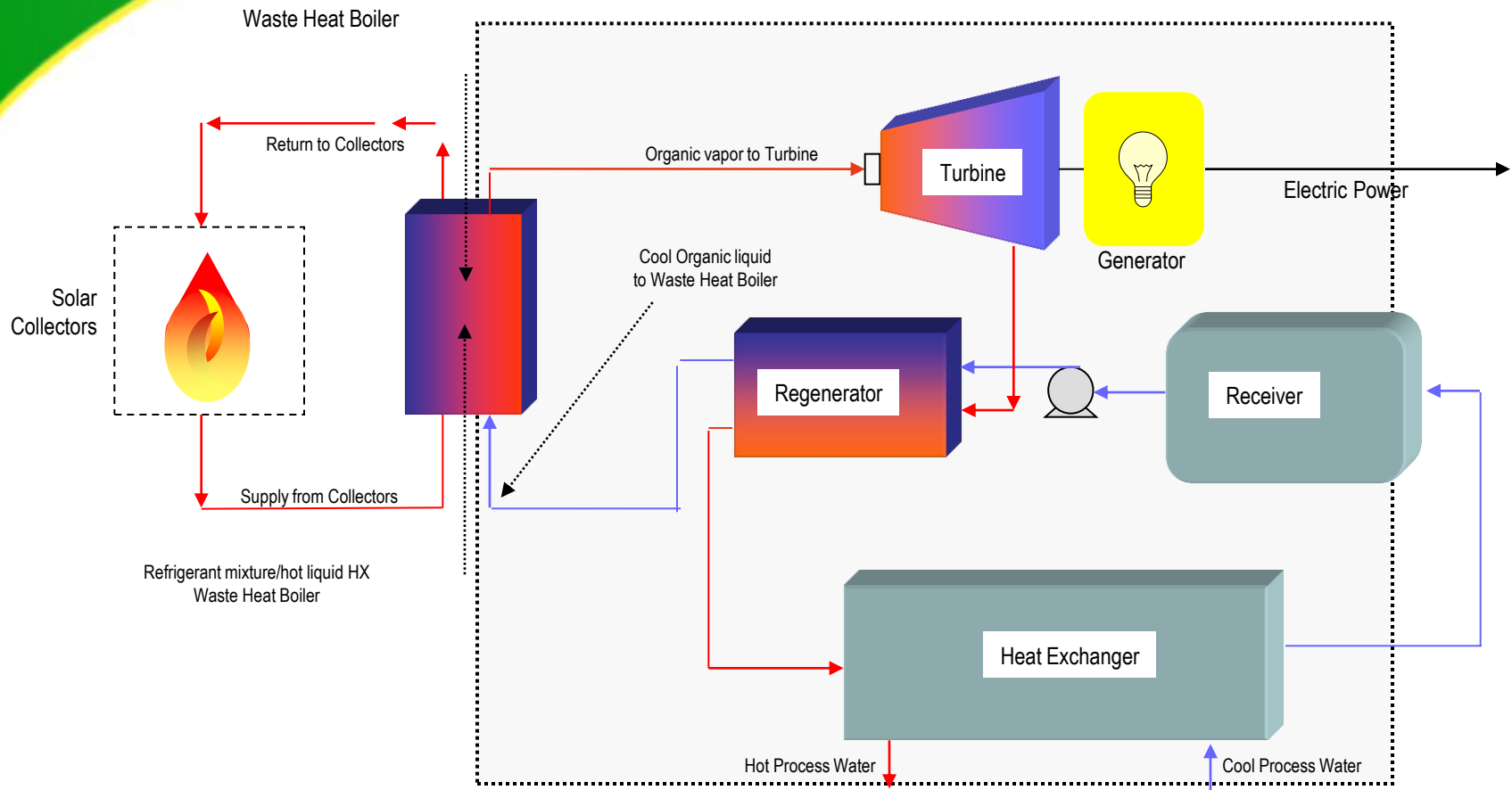


- Custom tailored Proprietary refrigerant blends:
  - highest efficiencies
  - over a wider range of heat source temperatures
- TPE is dramatically expanding the market
- Cost advantaged to all possible competitors
- TPE environmentally friendly, non-toxic and non-flammable refrigerants
  - Competitors' extremely volatile and explosive
- TPE captures and converts heat directly from the source
  - Without any heat transfer fluids (Binary Cycle)
  - At temperatures from 80°F to 900°F
  - Wide applications; hot gas, hot liquid

# Organic Rankine Cycle



## Thermal Solar Heat Recovery



**PACKAGED ORC SKID**

# TPE – Quantifiable Advantages



## TPE

### Proprietary Mixtures

- Low pressures
- Non toxic
- Non flammable
- Hi thermal efficiency
- Broad temp applications
- Certified EPA ARI

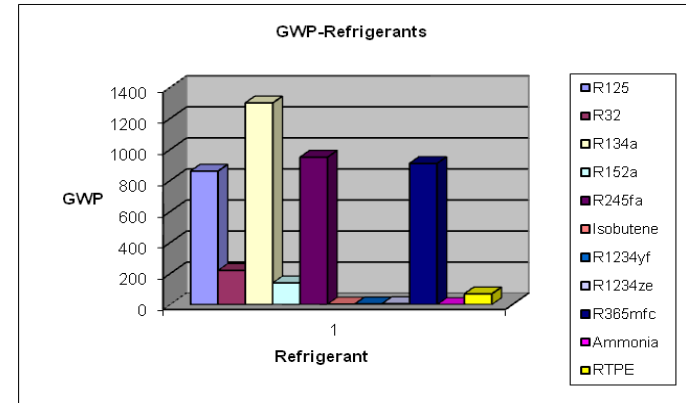


## Current Industry

HCFC's, Ammonia, Pentane, Propane, Isobutene, Butane

- Very high pressures
- Highly toxic
- Explosively flammable
- Low thermal efficiency (including R245fa)
- Narrow temp applications

# TPE – Technical Advantage



- Increased efficiency 20%-35% vs. 8%-10% with MHD
- Innovative certified refrigerant mixtures
- Variable boiling temperatures maximize heat recovery
- Multistage direct drive turbine/generator
- Magnetic/ foil bearings & MHD
- Fully hermetically sealed system
- Reduced cost of production and maintenance
- Custom-made units tailored to client heat source
- *Capture low and medium sources of heat;*
  - Flue Gases
  - Solar Energy
  - Geothermal Energy
  - Gray water

# TPE – Favorable Environmental Impact

## No Fuel Consumption

- ZERO Pollutants particulates such as carbon monoxide, nitrogen oxides and sulfur oxides.
- ZERO CO<sub>2</sub> discharge
- ZERO Acid Rain



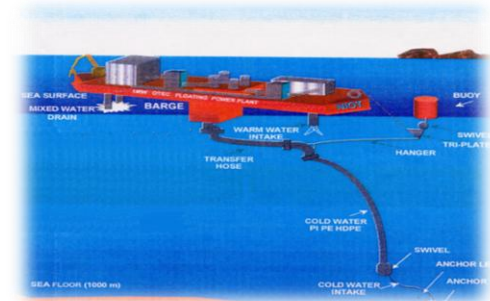


# Worldwide Potential Applications

## Customers Worldwide...

### Hot Gas or Hot Fluid Applications;

- PPP using fossil fuel
- Solar and Geothermal power plants
- Food processing facilities
- Petrochemical refinery installations
- Abundant/Live oil wells
- Desalination process
- Biomass applications
- MWD sites
- Marine transport
- Ocean warm waters (OTEC)
- Cooling Tower replacements and substitutes
- Condenser Alternatives
- Various DOD applications



# LED Lighting Segment



- In August 2012 SunSi acquired the exclusive North American distribution rights for the United States, Canada and Mexico from a leading high tech manufacturer in China of high performance light emitting diode (LED) lighting fixtures used in a wide array of applications; for an initial period of five years.
- Shanghai Lightsky Optoelectronics Technology Co., Ltd. “Lightsky” the manufacturer is leading high-tech enterprise which was established by Shanghai Academy of Science and Technology (SAST) and Shanghai Zhongbo Capital Co.
- Lightsky supplies product ranging from illumination LED lighting, LED video display system and architectural LED lighting for homes, commercial and industrial application.
- Lightsky have completed some major lighting projects such as Shanghai International Airport lighting project, 2010 Shanghai World Expo, and Hong Kong University.

# Lightsky Manufacturing Strengths



- Lightsky holds a series of design and utility patents, certificates including ISO9001, CE, Rohs, and other qualifications.
- Perform at the highest level - LED products surpassing traditional lighting in performance while offering energy efficiency savings of 50- 75%
- Highly competitive pricing
- Has established a track record in China as one of the leading high quality producers of a wide array of LED products all of which will be offered in the United States

# Advantages of LED Lights



- The LED light is considered “green” because of the absence of dangerous chemicals and minerals with a significant reduction in energy consumption - **No Mercury, No UV, No Health Risk and No Pollution**
- LED’s will reduce energy consumption by up to 50-75%
- The paybacks on LED replacements of commercial lighting are very short – plus there are credits and incentive in place for consumer to change to LED.
- 50,000-60,000 hour rated life.
- LEDs are better at placing light in a single direction than incandescent or fluorescent bulbs. Because of their directional output, they have unique features that can be exploited by clever designs.
- LED lights are more rugged and damage-resistant than compact fluorescents and incandescent bulbs and don't flicker and emit no audible ‘buzz.’

# LED Market: Size & Key Drivers



- ***FROM KIPLINGER LETTER JUNE, 2010 – “By late summer, the new thing will be a bulb using light-emitting diodes. LEDs--last longer (15-20 years), are more efficient (using 80% less electricity than incandescent or halogen bulbs) and in most instances provide better lighting.... All incandescent bulbs will be gone by 2014.”***
- According to a DOE Study “Energy Savings Potential of Solid-State Lighting in General Illumination Applications 2010-2030”, there are over **7 billion** lamps of varying types in US buildings.
- The total dollar value of replacing every Commercial and Industrial Fluorescent and HID lamp could approach **\$600 billion**.

# LED Marketing Strategy



- Focus on High ROI products with widest use in the Commercial, Industrial and Institutional sectors.
- Target customers where economics carry the day and where utility costs and incentives may be the highest such as corporations, hospitals and institutions where lighting and a good “green image” are important.
- Focus attention on larger customers who can undertake an ongoing LED roll-out over many years with large and continuous volumes.
- Leverage existing business relationships to identify locations for immediate trials in high visibility location that will attract publicity for the Company.

# TCS – 60% Ownership of Wending Facility



Currently TCS is an essential raw material used in the manufacturing of approximately 75% of all solar panels worldwide.



Wending is a state of the art facility with a current annual production capacity of 30,000 metric tons (MT) of TCS.

# TCS Industry

- China is the world's low cost producer of TCS.
- Strategically located facilities with a track record of success.
- Barriers to entry are very high
- Excellent management teams with many years of running TCS facilities.
- Existing base of billion dollar and other Tier I and Tier II polysilicon companies purchasing TCS from us.
- Facilities have been built with the proper infrastructure to rapidly expand capacity with efficient CAPEX.
- The Chinese government announced in 2010 that they intend to spend \$454 billion over the next ten years on alternative energy, and to effect a **Fivefold** increase in Chinese solar production by 2020.



# Investment Highlights

- TPE acquisition with excellent management team and entree into potential \$500 billion market, diversifies and supplements the company's revenue stream and positions for further growth and other synergistic opportunities
- Ability to leverage Chinese presence and experience to expand TPE technology in lucrative Chinese marketplace
- Positioned to benefit from new LED market opportunity supported by established world-class manufacturing plant
- Positioned to benefit from TCS industry consolidation
- Strong management team and BOD with track record of success-management team generated a **600%** return at previous public company.
- Low corporate burn rate-ability to leverage corporate overhead and generate higher sales volumes.
- Exceptionally low management compensation - interests aligned with shareholders
- Clean cap structure and balance sheet.
- NASDAQ application in final stage.

# **SunSi Executive Management Team**

**OVER 150 YEARS OF  
RELEVANT BUSINESS  
EXPERIENCE**

**Richard St-Julien, Chairman of the BOD & Chairman of Chinese Operations**

Practicing attorney in the areas of Commercial and International Law. Has been involved in numerous business ventures as an entrepreneur in Canada, U.S., China as well as in other countries.

**David Natan, Chief Executive Officer, Director**

Has served as CFO for five U.S. public companies and was appointed CEO of SunSi in December 2010. Extensive knowledge of public companies and direct experience with AMEX and NASDAQ. Track record of success in producing shareholder value.

**Jason Williams, Chief Financial Officer**

Public company experience at the CFO level. Expertise in public company reporting, operations and SEC compliance.

**Yifeng Song, VP Global Development**

Big 4 international consulting experience. Expertise in energy-efficient and green technologies - multilingual including Mandarin.



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