

# China Solar & Clean Energy Solutions, Inc. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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## Abstracts

China Solar & Clean Energy Solutions, Inc. Fundamental Company Report provides a complete overview of the company's affairs. All available data is presented in a comprehensive and easily accessed format. The report includes financial and SWOT information, industry analysis, opinions, estimates, plus annual and quarterly forecasts made by stock market experts. The report also enables direct comparison to be made between China Solar & Clean Energy Solutions, Inc. and its competitors. This provides our Clients with a clear understanding of China Solar & Clean Energy Solutions, Inc. position in the [Electrical Equipment](#) Industry.

The report contains detailed information about China Solar & Clean Energy Solutions, Inc. that gives an unrivalled in-depth knowledge about internal business-environment of the company: data about the owners, senior executives, locations, subsidiaries, markets, products, and company history.

Another part of the report is a SWOT-analysis carried out for China Solar & Clean Energy Solutions, Inc.. It involves specifying the objective of the company's business and identifies the different factors that are favorable and unfavorable to achieving that objective. SWOT-analysis helps to understand company's strengths, weaknesses, opportunities, and possible threats against it.

The China Solar & Clean Energy Solutions, Inc. financial analysis covers the income statement and ratio trend-charts with balance sheets and cash flows

presented on an annual and quarterly basis. The report outlines the main financial ratios pertaining to profitability, margin analysis, asset turnover, credit ratios, and company's long-term solvency. This sort of company's information will assist and strengthen your company's decision-making processes.

In the part that describes China Solar & Clean Energy Solutions, Inc. competitors and the industry in whole, the information about company's financial ratios is compared to those of its competitors and to the industry. The unique analysis of the market and company's competitors along with detailed information about the internal and external factors affecting the relevant industry will help to manage your business environment. Your company's business and sales activities will be boosted by gaining an insight into your competitors' businesses.

Also the report provides relevant news, an analysis of PR-activity, and stock price movements. The latter are correlated with pertinent news and press releases, and annual and quarterly forecasts are given by a variety of experts and market research firms. Such information creates your awareness about principal trends of China Solar & Clean Energy Solutions, Inc. business.

### **About China Solar & Clean Energy Solutions, Inc.**

China Solar & Clean Energy Solutions, Inc. engages in the design and provision of integrated renewable energy solutions for industrial clients and real estate developers in the People's Republic of China (PRC). The company manufactures and distributes solar water heaters, biomass stove, and spacing heating devices along with industrial waste heat recovery systems, including hot tube heat exchanger, high temperature hot air furnace, heat pipe evaporator, dust removal and desulfurization system, and constant pressure hot water boiler.

The company's business is conducted through its wholly-owned PRC-based operation subsidiaries, Tianjin Huaneng Energy Equipment Company (Tianjin Huaneng), Beijing Deli Solar Technology Development Co., Ltd. (Deli Solar (Beijing)), and Bazhou Deli Solar Energy Heating Co., Ltd. (Deli Solar (Bazhou)).

### **Products**

## Solar Water Heater and Boilers and Space Heating Products

The company's solar water heaters are primarily used to generate hot water for residential use. It manufactures two types of solar hot water heaters: evacuated tubular solar water heaters, and flat plate solar water heaters. There are two major types of evacuated tubular solar water heaters: standard evacuated tubular solar water heaters and evacuated heat pipe solar water heaters. The company also manufactures boilers, furnaces, stove heating, and space heating products. Majority of its boilers and space heating products are coal-fired, small scale units for residential space heating and cooking. The company has also developed two boilers: smokeless coal-fired boilers and bio-materials furnaces.

## Waste Heat Recovery Systems and Industrial Energy-Saving Industrial System

The company also manufactures industrial waste heat recovery systems, heating products such as heating pipes, heat exchangers, specialty heating pipes and tubes, high temperature hot blast stoves, heating filters, normal pressure water boilers, and radiators. These products are used primarily in manufacturing facilities in which the manufacturing processes require the generation of heat, such as steel and chemical plants. The waste heat can be used to generate hot water at the manufacturing facilities.

## Integrated Solar Heating Packages

The company's products are being used in building integrated solar heating packages, which integrate its solar hot water and space heating systems directly into the construction of new multi-family dwellings, commercial office buildings, and industrial developments. In August 2009, the company signed a contract to be the sole supplier of the new energy systems for the Jinhaihu town house developed by LVC Group ([www.lvcgroup.com](http://www.lvcgroup.com)) in Pinggu county of Beijing.

## New Product Pipeline

The company has the following products in the product planning and developing stage:

**Photovoltaic Powered Water Heaters:** The company is in the process of improving the physical performance of photovoltaic powered water heaters. Photovoltaic technology (PV) is a technology that converts solar energy into electricity. Photovoltaic modules or panels are made of semiconductors that allow sunlight to be converted directly into

electricity. This system consists of a photovoltaic array connected to resistive heating elements within a water storage tank. The PV array produces electrical power during periods of solar irradiation and this power is immediately dissipated in the resistive elements.

**Densely Covered Regular Tubular Heaters:** The company has developed a new solar water heater which is designed with densely covered evacuated tubes to improve heating.

## Markets

The company sells its solar water heaters and space heaters primarily in the rural areas of the north-east part of the PRC, including Hebei, Beijing, Tianjin, Heilongjiang, and Liaoning,

## Suppliers

The company's suppliers include Lingyi Co.; Shangdong Taian Co.; Beijing Linuo Co.; Beijing Tianpu Co.; and Haihui Co.

## History

China Solar & Clean Energy Solutions, Inc. was founded in 1997.

The above Company Fundamental Report is a half-ready report and contents are subject to change.

It means that we have all necessary data in our database to prepare the report but need **2-3 days** to complete it. During this time we are also updating the report with respect to the current moment. So, you can get all the most recent data available for the same price. Please note that preparation of additional types of analyses requires extra time.

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1 – Data availability depends on company's security policy.

2 – These sections are available only when you purchase a report with appropriate additional types of analyses.

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## ANALYSIS FEATURES

### SWOT Analysis

SWOT, which stands for Strengths, Weaknesses, Opportunities and Threats, is an analytical framework that identifies the internal and external factors that are favorable and unfavorable for a company.

### Enhanced SWOT Analysis

Enhanced SWOT is a 3x3 grid that arranges strengths, weaknesses, opportunities and threats into one scheme:

How to use the strengths to take advantage of the opportunities?

How to use the strengths to reduce likelihood and impact of the threats?

How to overcome the weaknesses that obstruct taking advantage of the opportunities?

How to overcome the weaknesses that can make the threats a reality?

Upon answering these questions a company can develop a project plan to improve its business performance.

### PESTEL Analysis

PESTEL (also termed as PESTLE) is an ideal tool to strategically analyze what influence different outside factors – political, economic, sociocultural, technological, environmental and legal – exert on a business to later chart its long term targets.

Being part of the external analysis when carrying out a strategic assessment or performing a market study, PESTEL gives an overview of diverse macro-environmental factors that any company should thoughtfully consider. By perceiving these outside environments, businesses can maximally benefit from the opportunities while minimizing the threats to the organization.

### Key Factors Examined by PESTEL Analysis:

**Political** – What opportunities and pressures are brought by political bodies and what is the degree of public regulations' impact on the business?

**Economic** – What economic policies, trends and structures are expected to affect the organization, what is this influence's degree?

**Sociological** – What cultural and societal aspects will work upon the demand for the business's products and operations?

**Technological** – What impact do the technological aspects, innovations, incentives and barriers have on the organization?

**Environmental** – What environmental and ecological facets, both locally and farther afield, are likely to predetermine the business?

**Legal** – What laws and legislation will exert influence on the style the business is carried out?

### **IFE, EFE, IE Matrices**

The Internal Factor Evaluation matrix (IFE matrix) is a strategic management tool helping audit or evaluate major weaknesses and strengths in a business's functional areas. In addition, IFE matrix serves as a basis for identifying and assessing relationships amongst those areas. The IFE matrix is utilised in strategy formulation.

The External Factor Evaluation matrix (EFE matrix) is a tool of strategic management that is typically utilised to assess current market conditions. It is an ideal instrument for visualising and prioritising the threats and opportunities a firm is facing.

The essential difference between the above mentioned matrices lies in the type of factors incorporated in the model; whilst the latter is engaged in internal factors, the former deals exceptionally with external factors – those exposed to social, political, economic, legal, etc. external forces.

Being a continuation of the EFE matrix and IFE matrix models, the Internal External matrix (IE matrix) rests upon an investigation of external and internal business factors

integrated into one suggestive model.

## **Porter Five Forces Analysis**

The Porter's five forces analysis studies the industry of operation and helps the company find new sources of competitive advantage. The analysis surveys an industry through five major questions:

What composes a threat of substitute products and services?

Is there a threat of new competitors entering the market?

What is the intensity of competitive rivalry?

How big is the bargaining power of buyers?

How significant is the bargaining power of suppliers?

## **VRIO Analysis**

VRIO stands for Value, Rarity, Imitability, Organization. This analysis helps to evaluate all company's resources and capabilities and bring them together into one aggregate table that includes:

Tangible resources

Financial

Physical

Technological

Organizational

Intangible resources

Human

Innovation and Creativity

## Reputation

### Organizational capabilities

The result of the analysis gives a clear picture of company's competitive and economic implications, answering the questions if the resources mentioned above are:

Valuable?

Rare?

Costly to imitate?

Organized properly?

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