

# **Growth Opportunities in Solar Photovoltaic Market 2011-2016: Trends, Forecasts and Market Share Analysis, January 2012**

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## **Abstracts**

### **Background:**

In calendar year 2010, total worldwide solar photovoltaic (PV) system installations topped 16,568 MW with a value of US \$75 billion. The market is anticipated to grow to 33,600 MW in 2016 with a 14% CAGR over the next five years. The cumulative installation is expected to reach 190,800 MW by the end of 2016, with a value of approximately US \$105 billion representing a CAGR of 28% during 2011–2016.

Lucintel, a leading global management consulting and market research firm analyzed the solar PV industry and present its findings in the report, “Growth Opportunities in Solar Photovoltaic Market 2011-2016: Trends, Forecasts and Market Share Analysis.”

Lucintel’s research indicates that the growing inclination toward renewable energy to reduce carbon emissions is boosting solar energy across the globe. During 2011–2016, the North American and Asia-Pacific (APAC) markets for solar PV are expected to grow significantly. Accordingly, the overall share of North America and APAC in annual PV installation is likely to increase in the coming years.

Based on revised forecasts for solar PV, China is expected to be the global leader in annual solar PV installation by 2016. Solar PV capacity installation is also likely to grow significantly in the US during 2011–2016. The annual installation of solar PV in the US is forecast to surpass Germany by 2016 securing the second position globally, behind only China. Europe installed the largest amount of solar photovoltaic capacity in 2010, an estimated 79% of global annual installation for the year.

In this research report, Lucintel provides trend scenarios and forecast statistics for 2011–2016; details the industry's drivers and challenges; manufacturing capacity for each node in the value chain of the solar PV industry; expansion plans; competitive analysis for solar PV; and installation of solar PV projects during 2011–2016; the report also details forecast for solar PV installation for all four global geographies—APAC, Europe, North America, and the Rest of the World.

This unique report from Lucintel can provide valuable information, insights, and tools needed to identify new growth opportunities and operate successfully in this market. This report could save hundreds of hours of your own personal research time and is likely to significantly benefit you in expanding your business in this market. In today's unsettled economy, you need every advantage that you can find to keep ahead in your business.

### **Features of This Report:**

To make business, investment, or strategic decisions, you need timely and adequate information. This market report fulfills this core need and is an indispensable reference guide for multi-national materials suppliers, product manufacturers, investors, executives, distributors and others who are operating in this market.

Some of the features of “Growth Opportunities in Solar Photovoltaic Market 2011-2016: Trends, Forecasts and Market Share Analysis” include the following:

Major applications of solar PV systems

Value chain analysis for solar PV

Market size of solar PV by volume shipment

Key drivers and challenges for the growth of solar PV market

Levelized Cost of Energy (LCOE) for various energy sources in terms of \$/MWh

Trend and forecast of solar PV system in terms of installations

**Benefits of a Lucintel Report** Lucintel's core competency is in market research and management consulting. Over the last 12 years, Lucintel has worked on hundreds of

market research studies. Lucintel's market reports offer the following benefits:

It saves your money, as compared to doing research in-house. (\$50,000+)

It saves your time. Lucintel delivers the report in hours vs. months of in-house data collection and report writing.

It is an unbiased source of industry facts, intelligence and insights.

It helps you make confident business decisions quickly.

**Who can Benefit from this Report?** This study is intended for material suppliers, parts fabricators, OEMs, investors, executives and consultants. This multi-client market study from Lucintel is used by small to multi-national Fortune 500 companies and utilized for a variety of reasons as follows.

Business development

Strategic planning

Business presentation

Determination of market size and trend

Competitive analysis

Personnel training

Budgeting

Investment decision

### **Research Methodology:**

Lucintel has closely tracked and conducted research on composites and other markets since 1998. This research project was designed for the purposes of determining the OEMs, Tier 1, and Tier 2 players as they may be able to identify the opportunity in

different global solar PV markets and their likely demand for solar PV systems and components in near future.

This study is a culmination of seven to eight months of full-time effort performed by Lucintel's analyst team. Our analysts used the following sources for the creation and completion of this valuable report:

In-depth secondary research and telephone interviews with more than 15 major OEM, Tier 1, and Tier 2 suppliers

In-depth secondary research from financial statements and annual reports of the competitors

Brief discussions with regional solar PV associations regarding the targets, policies, and expected developments in solar PV markets

Extensive search of current published literature, market and database information including industry news, company press releases, and customer intentions

A compilation of the experiences, judgments, and insights of Lucintel's professionals, who have analyzed and tracked composites and the solar PV market over the years.

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