

Global Polysilicon Market Report: 2015 Edition

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Abstracts

Polycrystalline silicon, also known as polysilicon or poly-Si, polysilicon is the purest form of silicon and the second most abundant element available in nature. It is a material consisting of small silicon crystals which differs from single-crystal silicon, used for electronics and solar cells, and from amorphous silicon, used for thin film devices and solar cells. It is used as a feedstock material in most solar energy applications. The global polysilicon market can be segmented into three divisions by purity grade: Electronic Grade, Medium Grade, and Upgraded Metallurgical Grade. The market is divided into two segments by end user types: Solar PV Industry and Semiconductor Industry.

The key factors driving the growth of the polysilicon industry are solar cell market, semiconductor market and the developing economy. Some of the noteworthy trends of this industry are decreasing production cost, decreasing polysilicon prices and strong growth of the solar PV market. However, the expansion of global polysilicon industry is hindered by rising industrial overcapacity and heavy capital requirement.

The report “Global Polysilicon Market” provides an in-depth analysis of the production, demand and spot prices of global polysilicon market with focus on its end markets: Solar PV Industry and Semiconductor Industry. The major trends, growth drivers as well as issues being faced by the industry are being presented in this report. The four major players in the industry, Wacker Chemie, GCL Poly Energy, OCI Company Ltd. and REC Silicon ASA are being profiled.

By combining SPSS Inc.’s data integration and analysis capabilities with our relevant findings, we have predicted the future growth of the industry. We employed various significant variables that have an impact on this industry and created regression models with SPSS Base to determine the future direction of the industry. Before deploying the regression model, the relationship between several independent or predictor variables

and the dependent variable was analyzed using standard SPSS output, including charts, tables and tests.

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