

MEMC Electronic Materials Inc. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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Abstracts

MEMC Electronic Materials 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 MEMC Electronic Materials Inc. and its competitors. This provides our Clients with a clear understanding of MEMC Electronic Materials Inc. position in the [Semiconductor Industry](#).

The report contains detailed information about MEMC Electronic Materials 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 MEMC Electronic Materials 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 MEMC Electronic Materials 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 MEMC Electronic Materials 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 MEMC Electronic Materials Inc. business.

About MEMC Electronic Materials Inc.

MEMC Electronic Materials, Inc. designs, manufactures, and sells silicon wafers for the semiconductor industry worldwide. The company provides wafers in sizes ranging from 100 millimeters (4 inch) to 300 millimeters (12 inch). It also sells intermediate products, such as polysilicon, silane gas, ingots and scrap wafers to semiconductor device and equipment makers, solar cell and module manufacturers, flat panel, and other industries.

On November 20, 2009, the company acquired Sun Edison LLC (SunEdison). As a result of this acquisition, the company engages in the development of solar power plants and commercialization of solar energy.

Segments

The company conducts its operations through three segments, including Semiconductor Materials; Solar Materials; and Solar Energy (d/b/a SunEdison).

Semiconductor Materials Segment

This segment offers wafers with various features satisfying various product specifications to meet its customers' exacting requirements. Its wafers vary in size, surface features, composition, purity levels, crystal properties, and electrical properties.

The company's monocrystalline wafers for use in semiconductor applications range in size from 100 millimeter to 300 millimeter and are round in shape for semiconductor customers because of the nature of their processing equipment. The company's wafers are used as the starting material for the manufacture of various types of semiconductor devices, including microprocessor, memory, logic and power devices. In turn, these semiconductor devices are used in computers, cellular phones and other mobile electronic devices, automobiles, and other consumer and industrial products. The company's monocrystalline wafers for semiconductor applications include four general categories of wafers: prime, epitaxial, test/monitor wafers, and silicon-on-insulator (SOI) wafers.

Prime Wafers

The company's prime wafer is a polished, refined, and pure wafer with an ultraflat and ultraclean surface. The majority of its prime wafers are manufactured with a chemical-mechanical polishing process that removes defects and leaves an extremely smooth surface. The company's OPTIA wafer is a 100% defect-free crystalline structure based on its patented technologies and processes, including Magic Denuded Zone, or MDZ.

Epitaxial Wafers

The company's epitaxial, or epi, wafers consist of a thin silicon layer grown on the polished surface of the wafer. The epitaxial layer has different electrical properties from the underlying wafer. The company's AEGIS product is designed for certain specialized applications requiring high resistivity epitaxial wafers and its MDZ product feature. The AEGIS wafer includes a thin epitaxial layer grown on a standard starting wafer. The AEGIS wafer's thin epitaxial layer eliminates harmful defects on the surface of the wafer.

Test/Monitor Wafers

The company supplies test/monitor wafers to its customers for their use in testing semiconductor fabrication lines and processes. The company produces some of the test/monitor wafers from the portion of the silicon ingot that does not meet customer specifications for wafers.

Silicon-on-Insulator (SOI) Wafers

An SOI wafer is a relatively new type of starting material for the chip making process. SOI wafers have three layers: a thin surface layer of silicon (from a few hundred Angstrom to several microns thick) where the transistors are formed, an underlying layer of insulating material, and a support or 'handle' bulk silicon wafer.

Sales and Marketing: This segment sells its products in China, France, Germany, Italy, Japan, Malaysia, Singapore, South Korea, Taiwan, and the United States.

Customers: The company's semiconductor wafer customers include semiconductor device manufacturers, including the major memory, microprocessor, and ASIC manufacturers and foundries.

Competition: The company's worldwide competitors are Shin-Etsu Handotai, SUMCO, Wacker Siltronic, and Covalent.

Solar Materials Segment

This segment offers solar wafers that are used as the starting material for crystalline solar cells. Customers using crystalline wafers for solar applications utilize wafers t

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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