

# Spire Corp. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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## Abstracts

Spire Corp. 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 Spire Corp. and its competitors. This provides our Clients with a clear understanding of Spire Corp. position in the [Semiconductor](#) Industry.

The report contains detailed information about Spire Corp. 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 Spire Corp.. 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 Spire Corp. 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 Spire Corp. 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 Spire Corp. business.

## **About Spire Corp.**

Spire Corporation engages in the development, manufacture, and marketing of solutions for the solar industry, including individual pieces of manufacturing equipment and cell and module production, and testing.

The company also provides photovoltaic systems for application to powering buildings with connection to the utility grid. The company's biomedical business provides value-added surface treatments to manufacturers of orthopedic and other medical devices.

## **Products and Services**

The company's main business is in the solar market, where the company provides individual pieces of manufacturing equipment, cell and module lines, cell supply, solar factory management services, and solar systems. It also operates smaller businesses in the semiconductor and biomedical device markets.

## **Spire Solar**

The company supplies manufacturing equipment and technology needed to manufacture solar photovoltaic power systems. The company's individual items of manufacturing equipment and its SPI-Line module production lines span the

photovoltaic module fabrication process, which include sorting solar cells into performance groups; assembling and soldering strings of cells interconnected with metal ribbons or tabs; completing the module circuit by soldering bus ribbons to connect the strings together; cutting polymer, fiberglass and back cover to length, and assembling them with the glass and module circuit in preparation for encapsulation; laminating the module assembly and curing the encapsulating polymer; final assembly, including edge trimming, installing an edge gasket and frame, and attaching a junction box; performing a high voltage isolation between the cell circuit and the module frame; and electrically testing the module performance by measuring a current-voltage curve under simulated sunlight.

The company's primary customers have been new entrants in the solar PV market. These entrants are primarily local manufacturers that are encouraged to produce PV modules by governmental incentive programs. The company also sells individual equipment mostly to existing silicon module manufacturers, as well as certain pieces of its module equipment to thin film manufacturers, specifically lamination, and testing equipment.

### Spire Semiconductor

Spire Semiconductor operates a semiconductor foundry and fabrication facility in Hudson, New Hampshire, equipped with metal-organic chemical vapor deposition (MOCVD) reactors, and fabrication equipment. Spire Semiconductor offers double- and triple-junction gallium arsenide (GaAs) solar cells and is working on a contract for the Department of Energy's National Renewable Energy Laboratory (NREL). The company has capacity for 25 MW of solar cell production. The company also has capabilities for fabricating thermo-photovoltaic (TPV) cells.

### Spire Biomedical

The company, through its Spire Biomedical subsidiary, provides medical device surface treatment processes for improvement of orthopedic and cardiovascular devices, enhancing properties, such as wear resistance, infection resistance, and thromboresistance.

### Customers and Markets

The company's customers include Hanwha International LLC and Martifer Solar S.A. The company has equipment deployed in approximately 50 countries and has among its customer's solar manufacturers, including First Solar, BP Solar, Canadian Solar, Trina

Solar Energy, Evergreen Solar, and Solaria Energia.

## Dispositions

In 2009, the company sold its medical products business unit, which develops and markets coated and uncoated hemodialysis catheters and related devices for the treatment of chronic kidney disease (the 'Medical Products Business Unit), to Bard Access Systems, Inc.

## History

Spire Corporation was founded in 1969.

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.

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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 3×3 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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