

Soliton Devices Inc. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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Abstracts

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

The report contains detailed information about Soliton Devices 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 Soliton Devices 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 Soliton Devices 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 Solitron Devices 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 Solitron Devices Inc. business.

About Solitron Devices Inc.

Solitron Devices, Inc. designs, develops, manufactures, and markets solid-state semiconductor components and related devices primarily for military and aerospace markets. The company manufactures various bipolar and metal oxide semiconductor (MOS) power transistors, power and control hybrids, junction and power MOS field effect transistors (Power MOSFETS), field effect transistors, and other related products.

The company's products are custom made pursuant to contracts with customers. Other products, such as joint army/navy (JAN) transistors, diodes, and standard military drawings (SMD) voltage regulators, are sold as standard or catalog items.

Products

The company's semiconductor products can be classified as active electronic components. Active electronic components are those that control and direct the flow of electrical current by means of a control signal, such as a voltage or current. Its active electronic components include bipolar transistors and MOS transistors. The company's products are either standard devices, such as catalog type items (transistors and voltage regulators), or application-specific devices, also referred to as custom or semi-custom products.

The company's semiconductor products are used as components of military, commercial, and aerospace electronic equipment, such as ground and airborne radar systems, power distribution systems, missiles, missile control systems, and spacecraft. Its products have been used on the space shuttle and on spacecraft sent to the moon, to Jupiter (on Galileo) and to Mars (on Global Surveyor and Mars Sojourner).

Power Transistors: Power transistors are high current and/or high voltage control devices commonly used for active gain applications in electronic circuits. The company manufactures various power bipolar transistors for applications requiring currents in the range of 0.1A to 150A or voltages in the range of 30V to 1000V. It employs approximately 60 types of silicon chips to manufacture approximately 500 types of power bipolar transistors. It also manufactures power diodes under the same military specification. Additionally, it manufactures power N-Channel and P-Channel Power MOSFET transistors. The company manufactures both standard and custom power transistors.

Hybrids: Hybrids are compact electronic circuits that contain a selection of passive and active components mounted on printed substrates and encapsulated in appropriate packages. The company manufactures thick film hybrids, which generally contain discrete semiconductor chips, integrated circuits, chip capacitors, and thick film or thin film resistors. Its hybrids include high power voltage regulators, power amplifiers, power drivers, boosters, and controllers. It manufactures both standard and custom hybrids.

Voltage Regulators: The company makes standard and custom voltage regulators.

Field Effect Transistors: Field effect transistors are surface-controlled devices where conduction of electrical current is controlled by the electrical potential applied to a capacitively coupled control element. The company manufactures approximately 30 different types of junction and MOS field effect transistor chips. They are used to produce approximately 350 different field effect transistor types. It manufactures both standard and custom field effect transistors.

Customers

The company's products are sold throughout the United States and internationally primarily directly and through a network of manufacturers' representatives and distributors. Its custom products are typically sold to the United States Government and defense or aerospace companies, such as Raytheon Company, Lockheed Martin, Smith

Industries, Harris Corporation, General Electric Aviation, and Northrop Grumman Systems Corporation. It also sells to BAE Systems. It also sells to foreign customers located in Canada, western Europe, and Israel.

Suppliers

The company's suppliers include Egide USA Inc.; Platronics Seals; CPS Technologies Corporation; Coining Inc.; IXYS Corporation; Purecoat International LLC; Stellar Industries Inc; and Streamtek Ltd.

Competition

The company's competitors include Rectifier (the Omnirel Division); Microsemi Corporation (the NES and APT Divisions); M.S. Kennedy Corporation (a wholly owned subsidiary of Anaren, Inc.); Natel Engineering Company; and Sensitron Semiconductor.

History

Solitron Devices, Inc. was incorporated in 1959.

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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