

Mentor Graphics Corp. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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Abstracts

Mentor Graphics 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 Mentor Graphics Corp. and its competitors. This provides our Clients with a clear understanding of Mentor Graphics Corp. position in the [Software and Technology Services](#) Industry.

The report contains detailed information about Mentor Graphics 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 Mentor Graphics 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 Mentor Graphics 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 Mentor Graphics 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 Mentor Graphics Corp. business.

About Mentor Graphics Corp.

Mentor Graphics Corporation provides software and hardware design solutions that enable its customers to develop electronic products. The company markets its products and services worldwide, primarily to large companies in the military/aerospace, communications, computer, consumer electronics, semiconductor, networking, multimedia, and transportation industries.

The electronic systems that its customers create with its products include printed circuit boards (PCBs), integrated circuits (ICs), field programmable gate arrays (FPGAs), embedded software solutions, and wire harness systems. The company's products are used in the design and development of a set of electronic products, including automotive electronics, video game consoles, digital cameras, cellular telephones, Bluetooth devices, medical devices such as automated external defibrillators, smart phones, e-book readers, and netbooks.

Products

The company designs its products to enable engineers to overcome electronic design problems.

Scalable Verification

The company's Scalable Verification tools allow engineers to verify that their complex IC designs function as intended. The company offers the following digital simulation products:

The company's ModelSim software tool is a hardware description language (HDL) mixed-language digital simulator that helps hardware designers verify that their IC design functions correctly before the design is completed, and is used for application-specific integrated circuits (ASICs), SoCs, FPGAs, and other IC design verification, as well as verification of entire systems.

The company's Questa scalable verification platform includes support for HDLs, including System Verilog, simulation, and new verification methodologies including assertions and formal methods.

Along with digital simulation products, the company offers analog/mixed-signal simulators. The company's analog/mixed signal simulation products include the Eldo, ADVance MS, and ADiT tools.

The company provides hardware emulation systems, such as its Veloce product, which allow users to create functional and logical equivalent models of actual electronic circuits to verify the function and timing of those circuits. The company's Veloce product allows customers to verify complex designs containing up to 512 million logic gates.

IC Design to Silicon

The company offers its Calibre tool family, which is a standard for integrated device manufacturers and foundries:

The Calibre physical verification tool suite, Calibre DRC and Calibre LVS, helps ensure that a particular IC layout corresponds to the original schematic or circuit diagram of the design and conforms to manufacturing rules at wafer fabs where ICs are manufactured.

The Calibre xRC product, a transistor-level extraction and device modeling tool, computes the values of detailed circuit parameters including interconnect resistances, capacitances, and inductances to enable customers to simulate the performance of a design before it is manufactured.

Calibre lithography tools allow engineers to model, enhance, and verify layouts using lithography resolution enhancement techniques, including optical and process correction, phase-shift mask, scattering bars, and off-axis illumination.

Calibre CMPAnalyzer allows customers to model the expected planarity of ICs and identify where modifications to the layout would improve a chip's flatness.

Calibre PERC is a tool for checking the electrical design of an IC. It is useful in verifying for the completeness of electrostatic discharge protection circuitry which affects both manufacturing yield and long-term usefulness of an IC.

The company also offers the Olympus-SoC place and route product targeted at customers designing ICs using geometries of 65 nm and below. The Olympus-SoC product addresses IC design problems, such as manufacturing variability, design size and complexity, and low power requirements.

Integrated System Design

The company's PCB-FPGA Systems Design software products support the PCB design process from schematic entry, where the electronic circuit is defined by engineers, through physical layout of the PCB, to prov

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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