

RAE Systems Inc. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

<https://marketpublishers.com/r/R9C7007E02DBEN.html>

Date: May 2025

Pages: 50

Price: US\$ 499.00 (Single User License)

ID: R9C7007E02DBEN

Abstracts

RAE Systems 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 RAE Systems Inc. and its competitors. This provides our Clients with a clear understanding of RAE Systems Inc. position in the [Computers and Electronic Equipment](#) Industry.

The report contains detailed information about RAE Systems 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 RAE Systems 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 RAE Systems 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 RAE Systems 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 RAE Systems Inc. business.

About RAE Systems Inc.

RAE Systems Inc. is a developer and manufacturer of rapidly-deployable, multi-sensor chemical and radiation detection monitors and wireless networks.

The company offers monitors and wireless networks for application in five markets: oil and gas, hazardous material management, industrial safety, civil defense and environmental remediation. The company provides personal, portable, and wireless sensor networks that enable customers in approximately 95 countries to identify safety and security threats in real-time.

The company offers a portfolio of fixed and portable breathing zone single and multi-sensor chemical and radiation detection products, with wireless integrated systems capability. Industrial applications include the detection of toxic industrial chemicals, volatile organic compounds and petrochemicals. The company's products are deployed in oil and gas facilities, petrochemical and plastics plants, steel mills and in other types of manufacturing facilities. Its products enable the military and first responders, such as firefighters, law enforcement and other emergency management personnel to detect and provide early warning of hazardous materials.

The company has significant operations in the People's Republic of China (China),

including research and development and manufacturing operations in Shanghai. The company owns 96% of RAE-KLH (Beijing) Co., Limited, or RAE Beijing, a manufacturer and distributor of safety, environmental and personal protection monitors and equipment. The company owns a 70% interest in RAE Coal Mine Safety Instruments (Fushun) Co., Ltd. (RAE Fushun). RAE Fushun offers a range of portable and fixed use safety products, primarily to the China coal mining industry.

Products

Sensor and Measurement Products

The company designs and manufactures the following sensors: photoionization detectors for the measurement of volatile organic compounds, toxic chemical warfare agents and toxic industrial chemicals; catalytic bead pellistors for the detection and measurement of combustible gas; non-dispersive infrared sensors for the measurement of carbon dioxide and hydrocarbons; electro-chemical sensors for the measurement of oxygen and toxic gases such as ammonia, carbon monoxide, chlorine and hydrogen sulfide; solid polymer electrode sensors for the measurement of oxygen; and scintillation detectors for both neutron and gamma radiation.

The company's patented photoionization detector technology enables dependable, linear, part-per-billion range readings for toxic gases and vapors. Photoionization detection is particularly suited to the detection of the toxic, long-chain, low vapor pressure volatile organic compounds associated with toxic industrial chemicals. Its products that use this technology include the MultiRAE Plus, AreaRAE, AreaRAE Inert, AreaRAE Steel, MiniRAE 3000, MiniRAE Lite, ppbRAE 3000 and UltraRAE 3000.

Integrated Wireless Products

The company develops wireless capabilities for gas monitoring instruments that enable detection from remote locations. Its AreaRAE and MeshGuard products offer wireless-enabled gas detectors, which provide real-time transmission of monitoring information to a base station located up to two miles away from the detectors. The AreaRAE incorporates technologies such as global positioning system (GPS) receivers and geographic information system (GIS) capabilities to create awareness of hazardous conditions for decision makers located remotely in a central command and control location. In addition, both the AreaRAE and MeshGuard can interface with the Internet, making measurements available from any location with Internet access.

The company's AreaRAE Gamma combines a multi-gas and radiation detector equipped with a wireless radio frequency modem that allows the unit to communicate and transmit sensor and location information on a real-time basis to a remotely located base controller. AreaRAE Steel is a stainless steel version of the AreaRAE that meets the intrinsic safety requirements of the United States, Canada and the European Union (ATEX). All of the AreaRAE models are available in Rapid Deployment kits to enable swift deployment in

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 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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