

Fuel-Tech, Inc. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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Abstracts

Fuel-Tech, 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 Fuel-Tech, Inc. and its competitors. This provides our Clients with a clear understanding of Fuel-Tech, Inc. position in the [Commercial Services and Supplies](#) Industry.

The report contains detailed information about Fuel-Tech, 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 Fuel-Tech, 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 Fuel-Tech, 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 Fuel-Tech, 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 Fuel-Tech, Inc. business.

About Fuel-Tech, Inc.

Fuel Tech, Inc. provides engineering solutions for the optimization of combustion systems in utility and industrial applications. The company's primary focus is on the worldwide marketing and sale of its nitrogen oxide (NOx) reduction technologies, as well as its FUEL CHEM program. Its NOx reduction technologies reduce nitrogen oxide emissions from boilers, furnaces and other stationary combustion sources.

Segments

The company has two technology segments: Air Pollution Control (APC) Technology Segment and The FUEL CHEM Technology Segment.

Air Pollution Control (APC) Technology Segment

The Air Pollution Control technology segment includes technologies to reduce NOx emissions in flue gas from boilers, incinerators, furnaces, and other stationary combustion sources. These include Low- and Ultra-Low NOx Burners (LNB and ULNB), Over-Fire Air (OFA) systems, NOxOUT and HERT Selective Non-Catalytic Reduction (SNCR) systems, and Advanced Selective Catalytic Reduction (ASCR) systems. The ASCR system includes ULNB, OFA, and SNCR components, along with a downsized

SCR catalyst, ammonia injection grid (AIG), and Graduated Straightening Grid GSG systems to provide high NO_x reductions. The CASCADE and NO_xOUT-SCR processes are basic types of ASCR systems, using SNCR and SCR catalyst components. ULTRA technology creates ammonia at a plant site using urea for use with any SCR application. Flue gas conditioning systems are chemical injection systems offered in markets outside the U.S. and Canada to improve electrostatic precipitator and fabric filter performance in controlling particulate emissions.

Products

The company's NO_x reduction technologies are installed worldwide on approximately 550 combustion units, including utility, industrial, and municipal solid waste applications. Products include customized NO_x control systems and patented urea-to-ammonia conversion technology, which can provide safe reagent for use in Selective Catalytic Reduction (SCR) systems.

Low NO_x Burners and Ultra Low NO_x Burners are available for coal-, oil-, and gas-fired industrial and utility units. Computational Fluid Dynamics combustion modeling is used to validate the design prior to fabrication of equipment

The company's NO_xOUT and HERT SNCR processes use non-hazardous urea as the reagent. Both the NO_xOUT and HERT processes on their own are capable of reducing NO_x for utilities.

The company's Advanced Selective Catalytic Reduction (ASCR) systems include LNB, OFA, and SNCR components, along with a downsized SCR catalyst, Ammonia Injection Grid (AIG), and Graduated Straightening Grid (GSG) systems to provide NO_x reduction. Its NO_xOUT-SCR process utilizes urea as the SCR catalyst reagent to achieve NO_x reductions.

The company's ULTRA process is designed to convert urea to ammonia for use as a reagent in the SCR process for NO_x reduction. Under a licensing agreement with FGC Corporation, the company sells flue gas conditioning systems incorporating FGC Corporation technology for utility applications in geographies outside the United States and Canada. Flue gas conditioning systems improve the efficiency of particulate collectors, including electrostatic precipitators (ESPs) and fabric filters.

The company provides process design optimization, performance testing and improvement, and catalyst selection services for SCR systems on coal-fired boilers. In

addition, other related services, including start-ups, maintenance support, and general consulting services for SCR systems, as well as ammonia injection grid design and tuning, to help optimize catalyst performance and catalyst management services to help optimize catalyst life, are offered to customers worldwide. It also involves in both physical experimental models, which involve construction of scale models through which fluids are tested, and computational fluid dynamics models, which simulate fluid flow by generating a virtual replication of real-world geometry and operating inputs. It designs flow corrective devices, such as turning vanes, ash screens, static mixers and its patent pending Graduated Straightening Grid GSG. Its modeling capabilities are applied to other power p

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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