

# **Axial Vector Engine Corp. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis**

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## **Abstracts**

Axial Vector Engine 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 Axial Vector Engine Corp. and its competitors. This provides our Clients with a clear understanding of Axial Vector Engine Corp. position in the Industry.

The report contains detailed information about Axial Vector Engine 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 Axial Vector Engine 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 Axial Vector Engine 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 Axial Vector Engine 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 Axial Vector Engine Corp. business.

### **About Axial Vector Engine Corp.**

Axial Vector Engine Corp., a development stage company, engages in the development, manufacture, and sale of an axial cam drive, free piston, and internal combustion engine (Dyna-Cam mechanical engine) in the United States.

#### **Axial Vector Digital Engine (The Workhorse 7.1 Engine)**

The company's subsidiary, Adaptive Propulsion Systems, LLC (Adaptive), has completed the development of the Axial Vector Workhorse 7.1 engine for its prototypical 200 kW Axial Flux generator. The primary application for its engine is to produce 7.5, 15, 25, 50, 100, 200 and 1000 kW generator sets (GENSETS).

With its Axial Vector digital engine design the company plans to capitalize on two different means of vehicular propulsion. One is a standard throttle response engine with a mechanical drive shaft to transfer power the wheels. The second approach utilizes a constant speed engine generating electricity - such as the company uses in its GENSET - that produces electric power to turn wheel motors.

The company's motors, with their high efficiency and small size, would be attractive and sought after for power consumption reductions mandated by the U.S. Department of

Energy (DOE) in a range of applications including home appliances and electric motors.

The company is seeking to develop a generator with a high power density Axial Flux design that has one-third of the volume and half the weight of the average generator. It entered into an agreement with Adaptive to assist it in the design, development, and manufacture of a family of 7 GENSETS ranging from 7.5 kilowatt to 1 megawatt.

### Joint Venture Agreements

Wiser-AVEC: In April 2006, the company entered into an agreement titled Joint Venture Agreement with Wiser of Ras Al Khaimah to engage in the distribution of Axial Vector engines, Axial Flux Generators, and Axial Vector engine hydraulic and pneumatic pumps for non-military commercial applications in the countries of the Gulf Cooperation Council. These countries include Saudi Arabia, Kuwait, Bahrain, Qatar, the United Arab Emirates, and the Sultanate of Oman.

The company has entered into a Memorandum of Understanding with Emirates Advance Investment. The purpose of the MOU is to outline the understanding of the parties concerning the establishment of a joint venture between EAI and Axial Vector Engine Corp. In the proposed transaction outlined in the MOU, the parties would form a business entity in Abu Dhabi in the United Arab Emirates where EAI would have a 51% ownership interest and would own the remaining 49% ownership interest.

In September 2005, the company entered into a memorandum of understanding with Kirloskar Oil Engines Limited (KOEL), a manufacturer and engineering company. The company is working toward the execution of a definite agreement with KOEL where it would grant KOEL the exclusive right to utilize its technology for non-automotive applications including tractor engines, loader engines, fork lift truck engines, and other farm and forestry applications.

### Significant Events

In September 2007, the company signed 50-50 Joint Venture agreement with Emirates International Capital Advisory of Dubai United Arab Emirates for production of an AVEC powered consumer automobile and a separate twin engine race car.

### History

The company was formerly known as Aero Marine Engine, Inc. and changed its name

to Axial Vector Engine Corporation in 2005.

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.

The complete financial data is available for publicly traded companies.

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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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