

# Cray Inc. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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# **Abstracts**

Cray 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 Cray Inc. and its competitors. This provides our Clients with a clear understanding of Cray Inc. position in the <a href="Computers and Electronic Equipment">Computers and Electronic Equipment</a> Industry.

The report contains detailed information about Cray 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 Cray 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 Cray Inc. financial analysis covers the income statement and ratio trendcharts 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 Cray 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 Cray Inc. business.

## **About Cray Inc.**

Cray Inc. engages in the design, development, manufacture, marketing, and service of high performance computing (HPC) systems (supercomputers) in the United States, Canada, Europe, Japan, and the Asia-Pacific.

#### **Products**

Cray XT5 System: The Cray XT5 system is the company's principal massively parallel processing (MPP) system. The system has double the compute density and memory bandwidth of previous systems in the same footprint, supporting high density processor configurations of 192 (four- or six-core) AMD Opteron processor sockets or up to 1,152 processor cores and delivering approximately 11 teraflops (11 trillion floating point operations per second) of computational capacity per cabinet, with system peak and sustained performance designed to exceed one petaflops. Customers can upgrade to the Cray XT5 system from Cray XT3 or Cray XT4 systems and/or add on to the existing Cray XT systems. Its Linux-based operating system supports a range of applications.

Cray XT5m System: The company's Cray XT5m supercomputer is designed to make its HPC technology available to users. The Cray XT5m system incorporates a version of its Cray SeaStar network specially designed and optimized for systems with performance of approximately 70 teraflops, providing superior bandwidth, upgradeability, and



manageability. Offered with up to six cabinets, the Cray XT5m series features many-core (four- or six-core) AMD Opteron processors and can be air or liquid cooled through use of Cray ECOphlex technology. The Cray Linux Environment enables the use of a range of open source tools, as well as streamlined porting of a set of applications from independent software vendors.

Cray CX1 System: The Cray CX1 system, purpose-built for offices, laboratories and university departments requiring workgroup servers, incorporates up to 8 nodes and 16 Intel Xeon processors, either dual or quad core, and delivers up to 8 cores and up to 64 gigabytes of memory per node (with up to 64 cores per chassis), with up to 24 terabytes of internal storage with in a chassis.

Cray XMT System: The company's Cray XMT supercomputer is a scalable massively multithreaded platform with a shared memory architecture suited for tasks, such as pattern matching, scenario development, behavioral prediction, anomaly identification, and graph analysis. Each Cray Threadstorm processor is directly connected to a Cray SeaStar2 interconnect chip, resulting in a high bandwidth, low latency network.

## Products in Development

Cray XT6 and XT6m Systems: The Cray XT6 and Cray XT6m systems were announced in November 2009 and are its next generation of MPP systems. These systems have almost double the compute density and memory bandwidth of Cray XT5 systems in the same footprint, supporting very high density processor configurations of 192 many-core (eight- or twelve-core) AMD Opteron processor sockets or up to 2,300 processor cores and delivering approximately 17 teraflops (17 trillion floating point operations per second) of computational capacity per cabinet, with system peak and sustained performance designed to exceed four petaflops. Customers can upgrade to the Cray XT6/6m systems from Cray XT5/5m systems and/or add on to the existing Cray XT systems. Compute blades for the Cray XT6/6m systems also have increased memory bandwidth, with four-channel DDR3 memory support. Their Linux-based operating system supports a range of applications.

Baker: The Baker system would utilize a high-performance interconnect called Gemini that combines technologies of the Cray XT and prior Cray XD1 systems and would integrate the core processors from the Cray XT6 system in a choice of air or liquid-cooled (ECOphlex) cabinets.

## Services



The company offers post-sale maintenance services for its installed base of supercomputer products through its Customer Support organization and technology-led professional services through its Custom Engineering organization.

## **Customer Support**

The company's worldwide customer support services include hardware and software maintenance in support of its systems, installation project management, system installation and de-installation, site preparation,

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.



# **Contents**

## RESEARCH METHODOLOGY

#### **DISCLAIMER**

## 1. CRAY INC. COMPANY PROFILE

- 1.1. Key facts
- 1.2. Financial Performance
- 1.3. Key Executives
- 1.4. Ownership and Major Holders
- 1.5. Company History

## 2. CRAY INC. BUSINESS OVERVIEW

- 2.1. Business Description
- 2.2. Major Products and Services
- 2.3. Markets and Sales Activities
- 2.4. Locations, Subsidiaries, Operating Units

## 3. CRAY INC. SWOT ANALYSIS

- 3.1. Overview
- 3.2. Strengths
- 3.3. Weaknesses
- 3.4. Opportunities
- 3.5. Threats

## 4. CRAY INC. FINANCIAL ANALYSIS

- 4.1. Financial Statements
- 4.1.1. Income Statement
- 4.1.2. Balance Sheet
- 4.1.3. Cash Flow
- 4.2. Financial Ratios
- 4.2.1. Profitability
- 4.2.2. Margin Analysis



- 4.2.3. Asset Turnover
- 4.2.4. Credit Ratios
- 4.2.5. Long-Term Solvency
- 4.2.6. Growth Over Prior Year
- 4.2.7. Financial Ratios Charts
- 4.3. Stock Market Snapshot

#### 5. CRAY INC. COMPETITORS AND INDUSTRY ANALYSIS

- 5.1. Cray Inc. Direct Competitors
- 5.2. Comparison of Cray Inc. and Direct Competitors Financial Ratios
- 5.3. Comparison of Cray Inc. and Direct Competitors Stock Charts
- 5.4. Cray Inc. Industry Analysis
- 5.4.1. Computers and Electronic Equipment Industry Snapshot
  - 5.4.2. Cray Inc. Industry Position Analysis

#### 6. CRAY INC. NEWS & EVENTS

- 6.1. News & PR Activity Analysis
- 6.2. IR Corporate News
- 6.3. Marketing News
- 6.4. Corporate Events

## 7. CRAY INC. EXPERTS REVIEW1

- 7.1. Experts Consensus
- 7.2. Experts Revisions

## 8. CRAY INC. ENHANCED SWOT ANALYSIS<sup>2</sup>

# 9. UNITED STATES PESTEL ANALYSIS<sup>2</sup>

- 9.1. Political Factors
- 9.2. Economic Factors
- 9.3. Social Factors
- 9.4. Technological Factors
- 9.5. Environmental Factors
- 9.6. Legal Factors



# 10. CRAY INC. IFE, EFE, IE MATRICES<sup>2</sup>

10.1. Internal Factor Evaluation Matrix

10.2. External Factor Evaluation Matrix

10.3. Internal External Matrix

# 11. CRAY INC. PORTER FIVE FORCES ANALYSIS<sup>2</sup>

12. CRAY INC. VRIO ANALYSIS<sup>2</sup>

**APPENDIX: RATIO DEFINITIONS** 

## **LIST OF FIGURES**

Cray Inc. Annual Revenues in Comparison with Cost of Goods Sold and Gross Profit

**Profit Margin Chart** 

**Operating Margin Chart** 

Return on Equity (ROE) Chart

Return on Assets (ROA) Chart

Debt to Equity Chart

**Current Ratio Chart** 

Cray Inc. 1-year Stock Charts

Cray Inc. 5-year Stock Charts

Cray Inc. vs. Main Indexes 1-year Stock Chart

Cray Inc. vs. Direct Competitors 1-year Stock Charts

Cray Inc. Article Density Chart

The complete financial data is available for publicly traded companies.

<sup>1 –</sup> Data availability depends on company's security policy.

<sup>2 –</sup> These sections are available only when you purchase a report with appropriate additional types of analyses.



# **List Of Tables**

#### LIST OF TABLES

Cray Inc. Key Facts

**Profitability** 

Management Effectiveness

Income Statement Key Figures

**Balance Sheet Key Figures** 

Cash Flow Statement Key Figures

Financial Performance Abbreviation Guide

Cray Inc. Key Executives

Cray Inc. Major Shareholders

Cray Inc. History

Cray Inc. Products

Revenues by Segment

Revenues by Region

Cray Inc. Offices and Representations

Cray Inc. SWOT Analysis

Yearly Income Statement Including Trends

Income Statement Latest 4 Quarters Including Trends

Yearly Balance Sheet Including Trends

Balance Sheet Latest 4 Quarters Including Trends

Yearly Cash Flow Including Trends

Cash Flow Latest 4 Quarters Including Trends

Cray Inc. Profitability Ratios

Margin Analysis Ratios

**Asset Turnover Ratios** 

**Credit Ratios** 

Long-Term Solvency Ratios

Financial Ratios Growth Over Prior Year

Cray Inc. Capital Market Snapshot

Cray Inc. Direct Competitors Key Facts

**Direct Competitors Profitability Ratios** 

**Direct Competitors Margin Analysis Ratios** 

**Direct Competitors Asset Turnover Ratios** 

**Direct Competitors Credit Ratios** 

**Direct Competitors Long-Term Solvency Ratios** 

Computers and Electronic Equipment Industry Statistics



Cray Inc. Industry Position

Company vs. Industry Income Statement Analysis

Company vs. Industry Balance Sheet Analysis

Company vs. Industry Cash Flow Analysis

Company vs. Industry Ratios Comparison

Cray Inc. Consensus Recommendations<sup>1</sup>

Analyst Recommendation Summary<sup>1</sup>

Price Target Summary<sup>1</sup>

Experts Recommendation Trends<sup>1</sup>

Revenue Estimates Analysis<sup>1</sup>

Earnings Estimates Analysis<sup>1</sup>

Historical Surprises<sup>1</sup>

Revenue Estimates Trend<sup>1</sup>

Earnings Estimates Trend<sup>1</sup>

Revenue Revisions<sup>1</sup>



# **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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