

# Global CFD-Based Thermal Simulation Software Market Growth (Status and Outlook) 2023-2029

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## Abstracts

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According to our (LP Info Research) latest study, the global CFD-Based Thermal Simulation Software market size was valued at US\$ million in 2022. With growing demand in downstream market and recovery from influence of COVID-19 and the Russia-Ukraine War, the CFD-Based Thermal Simulation Software is forecast to a readjusted size of US\$ million by 2029 with a CAGR of % during review period.

The research report highlights the growth potential of the global CFD-Based Thermal Simulation Software market. With recovery from influence of COVID-19 and the Russia-Ukraine War, CFD-Based Thermal Simulation Software are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of CFD-Based Thermal Simulation Software. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the CFD-Based Thermal Simulation Software market.

The CFD-based thermal simulation software is a simulation software that simulates and analyzes fluid mechanics and heat transfer by applying numerical methods.

The CFD-based thermal simulation software utilizes the numerical solution method of computational fluid dynamics to simulate and predict fluid and heat conduction phenomena with complex geometric shapes by discretizing and solving continuous fluid dynamics equations. It has strong computing power and a wide range of application fields.

## Key Features:

The report on CFD-Based Thermal Simulation Software market reflects various aspects and provide valuable insights into the industry.

**Market Size and Growth:** The research report provide an overview of the current size and growth of the CFD-Based Thermal Simulation Software market. It may include historical data, market segmentation by Type (e.g., FloTHERM, FloVENT), and regional breakdowns.

**Market Drivers and Challenges:** The report can identify and analyse the factors driving the growth of the CFD-Based Thermal Simulation Software market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

**Competitive Landscape:** The research report provides analysis of the competitive landscape within the CFD-Based Thermal Simulation Software market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

**Technological Developments:** The research report can delve into the latest technological developments in the CFD-Based Thermal Simulation Software industry. This include advancements in CFD-Based Thermal Simulation Software technology, CFD-Based Thermal Simulation Software new entrants, CFD-Based Thermal Simulation Software new investment, and other innovations that are shaping the future of CFD-Based Thermal Simulation Software.

**Downstream Procumbent Preference:** The report can shed light on customer procumbent behaviour and adoption trends in the CFD-Based Thermal Simulation Software market. It includes factors influencing customer ' purchasing decisions, preferences for CFD-Based Thermal Simulation Software product.

**Government Policies and Incentives:** The research report analyse the impact of government policies and incentives on the CFD-Based Thermal Simulation Software market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting CFD-Based Thermal Simulation Software market. The report also evaluates the effectiveness of these policies in driving

market growth.

**Environmental Impact and Sustainability:** The research report assess the environmental impact and sustainability aspects of the CFD-Based Thermal Simulation Software market.

**Market Forecasts and Future Outlook:** Based on the analysis conducted, the research report provide market forecasts and outlook for the CFD-Based Thermal Simulation Software industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

**Recommendations and Opportunities:** The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the CFD-Based Thermal Simulation Software market.

**Market Segmentation:**

CFD-Based Thermal Simulation Software market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

**Segmentation by type**

FloTHERM

FloVENT

FloEFD

**Segmentation by application**

Chemical Industry

Material

Electronics

Energy

Automotive

Aerospace

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Mentor

Future Facilities

Degree Control

ANSYS

MSC Software

Dassault Syst?mes S.A.

Altair

Siemens

Autodesk

FLOMERICS

COFAN USA

T-global Technology

SCConsultants

SimScale GmbH

Transsolar KlimaEngineering

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

#### 2.1 World Market Overview

- 2.1.1 Global CFD-Based Thermal Simulation Software Market Size 2018-2029

- 2.1.2 CFD-Based Thermal Simulation Software Market Size CAGR by Region 2018 VS 2022 VS 2029

#### 2.2 CFD-Based Thermal Simulation Software Segment by Type

- 2.2.1 FloTHERM

- 2.2.2 FloVENT

- 2.2.3 FloEFD

#### 2.3 CFD-Based Thermal Simulation Software Market Size by Type

- 2.3.1 CFD-Based Thermal Simulation Software Market Size CAGR by Type (2018 VS 2022 VS 2029)

- 2.3.2 Global CFD-Based Thermal Simulation Software Market Size Market Share by Type (2018-2023)

#### 2.4 CFD-Based Thermal Simulation Software Segment by Application

- 2.4.1 Chemical Industry

- 2.4.2 Material

- 2.4.3 Electronics

- 2.4.4 Energy

- 2.4.5 Automotive

- 2.4.6 Aerospace

- 2.4.7 Others

#### 2.5 CFD-Based Thermal Simulation Software Market Size by Application

- 2.5.1 CFD-Based Thermal Simulation Software Market Size CAGR by Application (2018 VS 2022 VS 2029)

2.5.2 Global CFD-Based Thermal Simulation Software Market Size Market Share by Application (2018-2023)

### **3 CFD-BASED THERMAL SIMULATION SOFTWARE MARKET SIZE BY PLAYER**

3.1 CFD-Based Thermal Simulation Software Market Size Market Share by Players

3.1.1 Global CFD-Based Thermal Simulation Software Revenue by Players (2018-2023)

3.1.2 Global CFD-Based Thermal Simulation Software Revenue Market Share by Players (2018-2023)

3.2 Global CFD-Based Thermal Simulation Software Key Players Head office and Products Offered

3.3 Market Concentration Rate Analysis

3.3.1 Competition Landscape Analysis

3.3.2 Concentration Ratio (CR3, CR5 and CR10) & (2021-2023)

3.4 New Products and Potential Entrants

3.5 Mergers & Acquisitions, Expansion

### **4 CFD-BASED THERMAL SIMULATION SOFTWARE BY REGIONS**

4.1 CFD-Based Thermal Simulation Software Market Size by Regions (2018-2023)

4.2 Americas CFD-Based Thermal Simulation Software Market Size Growth (2018-2023)

4.3 APAC CFD-Based Thermal Simulation Software Market Size Growth (2018-2023)

4.4 Europe CFD-Based Thermal Simulation Software Market Size Growth (2018-2023)

4.5 Middle East & Africa CFD-Based Thermal Simulation Software Market Size Growth (2018-2023)

### **5 AMERICAS**

5.1 Americas CFD-Based Thermal Simulation Software Market Size by Country (2018-2023)

5.2 Americas CFD-Based Thermal Simulation Software Market Size by Type (2018-2023)

5.3 Americas CFD-Based Thermal Simulation Software Market Size by Application (2018-2023)

5.4 United States

5.5 Canada

5.6 Mexico



## 5.7 Brazil

## 6 APAC

### 6.1 APAC CFD-Based Thermal Simulation Software Market Size by Region (2018-2023)

### 6.2 APAC CFD-Based Thermal Simulation Software Market Size by Type (2018-2023)

### 6.3 APAC CFD-Based Thermal Simulation Software Market Size by Application (2018-2023)

### 6.4 China

### 6.5 Japan

### 6.6 Korea

### 6.7 Southeast Asia

### 6.8 India

### 6.9 Australia

## 7 EUROPE

### 7.1 Europe CFD-Based Thermal Simulation Software by Country (2018-2023)

### 7.2 Europe CFD-Based Thermal Simulation Software Market Size by Type (2018-2023)

### 7.3 Europe CFD-Based Thermal Simulation Software Market Size by Application (2018-2023)

### 7.4 Germany

### 7.5 France

### 7.6 UK

### 7.7 Italy

### 7.8 Russia

## 8 MIDDLE EAST & AFRICA

### 8.1 Middle East & Africa CFD-Based Thermal Simulation Software by Region (2018-2023)

### 8.2 Middle East & Africa CFD-Based Thermal Simulation Software Market Size by Type (2018-2023)

### 8.3 Middle East & Africa CFD-Based Thermal Simulation Software Market Size by Application (2018-2023)

### 8.4 Egypt

### 8.5 South Africa

### 8.6 Israel

8.7 Turkey

8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

## **10 GLOBAL CFD-BASED THERMAL SIMULATION SOFTWARE MARKET FORECAST**

10.1 Global CFD-Based Thermal Simulation Software Forecast by Regions (2024-2029)

10.1.1 Global CFD-Based Thermal Simulation Software Forecast by Regions (2024-2029)

10.1.2 Americas CFD-Based Thermal Simulation Software Forecast

10.1.3 APAC CFD-Based Thermal Simulation Software Forecast

10.1.4 Europe CFD-Based Thermal Simulation Software Forecast

10.1.5 Middle East & Africa CFD-Based Thermal Simulation Software Forecast

10.2 Americas CFD-Based Thermal Simulation Software Forecast by Country (2024-2029)

10.2.1 United States CFD-Based Thermal Simulation Software Market Forecast

10.2.2 Canada CFD-Based Thermal Simulation Software Market Forecast

10.2.3 Mexico CFD-Based Thermal Simulation Software Market Forecast

10.2.4 Brazil CFD-Based Thermal Simulation Software Market Forecast

10.3 APAC CFD-Based Thermal Simulation Software Forecast by Region (2024-2029)

10.3.1 China CFD-Based Thermal Simulation Software Market Forecast

10.3.2 Japan CFD-Based Thermal Simulation Software Market Forecast

10.3.3 Korea CFD-Based Thermal Simulation Software Market Forecast

10.3.4 Southeast Asia CFD-Based Thermal Simulation Software Market Forecast

10.3.5 India CFD-Based Thermal Simulation Software Market Forecast

10.3.6 Australia CFD-Based Thermal Simulation Software Market Forecast

10.4 Europe CFD-Based Thermal Simulation Software Forecast by Country (2024-2029)

10.4.1 Germany CFD-Based Thermal Simulation Software Market Forecast

10.4.2 France CFD-Based Thermal Simulation Software Market Forecast

10.4.3 UK CFD-Based Thermal Simulation Software Market Forecast

10.4.4 Italy CFD-Based Thermal Simulation Software Market Forecast

10.4.5 Russia CFD-Based Thermal Simulation Software Market Forecast

## 10.5 Middle East & Africa CFD-Based Thermal Simulation Software Forecast by Region (2024-2029)

- 10.5.1 Egypt CFD-Based Thermal Simulation Software Market Forecast
- 10.5.2 South Africa CFD-Based Thermal Simulation Software Market Forecast
- 10.5.3 Israel CFD-Based Thermal Simulation Software Market Forecast
- 10.5.4 Turkey CFD-Based Thermal Simulation Software Market Forecast
- 10.5.5 GCC Countries CFD-Based Thermal Simulation Software Market Forecast

## 10.6 Global CFD-Based Thermal Simulation Software Forecast by Type (2024-2029)

## 10.7 Global CFD-Based Thermal Simulation Software Forecast by Application (2024-2029)

# 11 KEY PLAYERS ANALYSIS

## 11.1 Mentor

- 11.1.1 Mentor Company Information
- 11.1.2 Mentor CFD-Based Thermal Simulation Software Product Offered
- 11.1.3 Mentor CFD-Based Thermal Simulation Software Revenue, Gross Margin and Market Share (2018-2023)
- 11.1.4 Mentor Main Business Overview
- 11.1.5 Mentor Latest Developments

## 11.2 Future Facilities

- 11.2.1 Future Facilities Company Information
- 11.2.2 Future Facilities CFD-Based Thermal Simulation Software Product Offered
- 11.2.3 Future Facilities CFD-Based Thermal Simulation Software Revenue, Gross Margin and Market Share (2018-2023)
- 11.2.4 Future Facilities Main Business Overview
- 11.2.5 Future Facilities Latest Developments

## 11.3 Degree Control

- 11.3.1 Degree Control Company Information
- 11.3.2 Degree Control CFD-Based Thermal Simulation Software Product Offered
- 11.3.3 Degree Control CFD-Based Thermal Simulation Software Revenue, Gross Margin and Market Share (2018-2023)
- 11.3.4 Degree Control Main Business Overview
- 11.3.5 Degree Control Latest Developments

## 11.4 ANSYS

- 11.4.1 ANSYS Company Information
- 11.4.2 ANSYS CFD-Based Thermal Simulation Software Product Offered
- 11.4.3 ANSYS CFD-Based Thermal Simulation Software Revenue, Gross Margin and Market Share (2018-2023)

- 11.4.4 ANSYS Main Business Overview
- 11.4.5 ANSYS Latest Developments
- 11.5 MSC Software
  - 11.5.1 MSC Software Company Information
  - 11.5.2 MSC Software CFD-Based Thermal Simulation Software Product Offered
  - 11.5.3 MSC Software CFD-Based Thermal Simulation Software Revenue, Gross Margin and Market Share (2018-2023)
  - 11.5.4 MSC Software Main Business Overview
  - 11.5.5 MSC Software Latest Developments
- 11.6 Dassault Systèmes S.A.
  - 11.6.1 Dassault Systèmes S.A. Company Information
  - 11.6.2 Dassault Systèmes S.A. CFD-Based Thermal Simulation Software Product Offered
  - 11.6.3 Dassault Systèmes S.A. CFD-Based Thermal Simulation Software Revenue, Gross Margin and Market Share (2018-2023)
  - 11.6.4 Dassault Systèmes S.A. Main Business Overview
  - 11.6.5 Dassault Systèmes S.A. Latest Developments
- 11.7 Altair
  - 11.7.1 Altair Company Information
  - 11.7.2 Altair CFD-Based Thermal Simulation Software Product Offered
  - 11.7.3 Altair CFD-Based Thermal Simulation Software Revenue, Gross Margin and Market Share (2018-2023)
  - 11.7.4 Altair Main Business Overview
  - 11.7.5 Altair Latest Developments
- 11.8 Siemens
  - 11.8.1 Siemens Company Information
  - 11.8.2 Siemens CFD-Based Thermal Simulation Software Product Offered
  - 11.8.3 Siemens CFD-Based Thermal Simulation Software Revenue, Gross Margin and Market Share (2018-2023)
  - 11.8.4 Siemens Main Business Overview
  - 11.8.5 Siemens Latest Developments
- 11.9 Autodesk
  - 11.9.1 Autodesk Company Information
  - 11.9.2 Autodesk CFD-Based Thermal Simulation Software Product Offered
  - 11.9.3 Autodesk CFD-Based Thermal Simulation Software Revenue, Gross Margin and Market Share (2018-2023)
  - 11.9.4 Autodesk Main Business Overview
  - 11.9.5 Autodesk Latest Developments
- 11.10 FLOMERICS

- 11.10.1 FLOMERICS Company Information
- 11.10.2 FLOMERICS CFD-Based Thermal Simulation Software Product Offered
- 11.10.3 FLOMERICS CFD-Based Thermal Simulation Software Revenue, Gross Margin and Market Share (2018-2023)
- 11.10.4 FLOMERICS Main Business Overview
- 11.10.5 FLOMERICS Latest Developments
- 11.11 COFAN USA
  - 11.11.1 COFAN USA Company Information
  - 11.11.2 COFAN USA CFD-Based Thermal Simulation Software Product Offered
  - 11.11.3 COFAN USA CFD-Based Thermal Simulation Software Revenue, Gross Margin and Market Share (2018-2023)
  - 11.11.4 COFAN USA Main Business Overview
  - 11.11.5 COFAN USA Latest Developments
- 11.12 T-global Technology
  - 11.12.1 T-global Technology Company Information
  - 11.12.2 T-global Technology CFD-Based Thermal Simulation Software Product Offered
  - 11.12.3 T-global Technology CFD-Based Thermal Simulation Software Revenue, Gross Margin and Market Share (2018-2023)
  - 11.12.4 T-global Technology Main Business Overview
  - 11.12.5 T-global Technology Latest Developments
- 11.13 SCConsultants
  - 11.13.1 SCConsultants Company Information
  - 11.13.2 SCConsultants CFD-Based Thermal Simulation Software Product Offered
  - 11.13.3 SCConsultants CFD-Based Thermal Simulation Software Revenue, Gross Margin and Market Share (2018-2023)
  - 11.13.4 SCConsultants Main Business Overview
  - 11.13.5 SCConsultants Latest Developments
- 11.14 SimScale GmbH
  - 11.14.1 SimScale GmbH Company Information
  - 11.14.2 SimScale GmbH CFD-Based Thermal Simulation Software Product Offered
  - 11.14.3 SimScale GmbH CFD-Based Thermal Simulation Software Revenue, Gross Margin and Market Share (2018-2023)
  - 11.14.4 SimScale GmbH Main Business Overview
  - 11.14.5 SimScale GmbH Latest Developments
- 11.15 Transsolar KlimaEngineering
  - 11.15.1 Transsolar KlimaEngineering Company Information
  - 11.15.2 Transsolar KlimaEngineering CFD-Based Thermal Simulation Software Product Offered

11.15.3 Transsolar KlimaEngineering CFD-Based Thermal Simulation Software  
Revenue, Gross Margin and Market Share (2018-2023)

11.15.4 Transsolar KlimaEngineering Main Business Overview

11.15.5 Transsolar KlimaEngineering Latest Developments

## **12 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. CFD-Based Thermal Simulation Software Market Size CAGR by Region (2018 VS 2022 VS 2029) & (\$ Millions)

Table 2. Major Players of FloTHERM

Table 3. Major Players of FloVENT

Table 4. Major Players of FloEFD

Table 5. CFD-Based Thermal Simulation Software Market Size CAGR by Type (2018 VS 2022 VS 2029) & (\$ Millions)

Table 6. Global CFD-Based Thermal Simulation Software Market Size by Type (2018-2023) & (\$ Millions)

Table 7. Global CFD-Based Thermal Simulation Software Market Size Market Share by Type (2018-2023)

Table 8. CFD-Based Thermal Simulation Software Market Size CAGR by Application (2018 VS 2022 VS 2029) & (\$ Millions)

Table 9. Global CFD-Based Thermal Simulation Software Market Size by Application (2018-2023) & (\$ Millions)

Table 10. Global CFD-Based Thermal Simulation Software Market Size Market Share by Application (2018-2023)

Table 11. Global CFD-Based Thermal Simulation Software Revenue by Players (2018-2023) & (\$ Millions)

Table 12. Global CFD-Based Thermal Simulation Software Revenue Market Share by Player (2018-2023)

Table 13. CFD-Based Thermal Simulation Software Key Players Head office and Products Offered

Table 14. CFD-Based Thermal Simulation Software Concentration Ratio (CR3, CR5 and CR10) & (2021-2023)

Table 15. New Products and Potential Entrants

Table 16. Mergers & Acquisitions, Expansion

Table 17. Global CFD-Based Thermal Simulation Software Market Size by Regions 2018-2023 & (\$ Millions)

Table 18. Global CFD-Based Thermal Simulation Software Market Size Market Share by Regions (2018-2023)

Table 19. Global CFD-Based Thermal Simulation Software Revenue by Country/Region (2018-2023) & (\$ millions)

Table 20. Global CFD-Based Thermal Simulation Software Revenue Market Share by Country/Region (2018-2023)

Table 21. Americas CFD-Based Thermal Simulation Software Market Size by Country (2018-2023) & (\$ Millions)

Table 22. Americas CFD-Based Thermal Simulation Software Market Size Market Share by Country (2018-2023)

Table 23. Americas CFD-Based Thermal Simulation Software Market Size by Type (2018-2023) & (\$ Millions)

Table 24. Americas CFD-Based Thermal Simulation Software Market Size Market Share by Type (2018-2023)

Table 25. Americas CFD-Based Thermal Simulation Software Market Size by Application (2018-2023) & (\$ Millions)

Table 26. Americas CFD-Based Thermal Simulation Software Market Size Market Share by Application (2018-2023)

Table 27. APAC CFD-Based Thermal Simulation Software Market Size by Region (2018-2023) & (\$ Millions)

Table 28. APAC CFD-Based Thermal Simulation Software Market Size Market Share by Region (2018-2023)

Table 29. APAC CFD-Based Thermal Simulation Software Market Size by Type (2018-2023) & (\$ Millions)

Table 30. APAC CFD-Based Thermal Simulation Software Market Size Market Share by Type (2018-2023)

Table 31. APAC CFD-Based Thermal Simulation Software Market Size by Application (2018-2023) & (\$ Millions)

Table 32. APAC CFD-Based Thermal Simulation Software Market Size Market Share by Application (2018-2023)

Table 33. Europe CFD-Based Thermal Simulation Software Market Size by Country (2018-2023) & (\$ Millions)

Table 34. Europe CFD-Based Thermal Simulation Software Market Size Market Share by Country (2018-2023)

Table 35. Europe CFD-Based Thermal Simulation Software Market Size by Type (2018-2023) & (\$ Millions)

Table 36. Europe CFD-Based Thermal Simulation Software Market Size Market Share by Type (2018-2023)

Table 37. Europe CFD-Based Thermal Simulation Software Market Size by Application (2018-2023) & (\$ Millions)

Table 38. Europe CFD-Based Thermal Simulation Software Market Size Market Share by Application (2018-2023)

Table 39. Middle East & Africa CFD-Based Thermal Simulation Software Market Size by Region (2018-2023) & (\$ Millions)

Table 40. Middle East & Africa CFD-Based Thermal Simulation Software Market Size



## Market Share by Region (2018-2023)

Table 41. Middle East & Africa CFD-Based Thermal Simulation Software Market Size by Type (2018-2023) & (\$ Millions)

Table 42. Middle East & Africa CFD-Based Thermal Simulation Software Market Size Market Share by Type (2018-2023)

Table 43. Middle East & Africa CFD-Based Thermal Simulation Software Market Size by Application (2018-2023) & (\$ Millions)

Table 44. Middle East & Africa CFD-Based Thermal Simulation Software Market Size Market Share by Application (2018-2023)

Table 45. Key Market Drivers & Growth Opportunities of CFD-Based Thermal Simulation Software

Table 46. Key Market Challenges & Risks of CFD-Based Thermal Simulation Software

Table 47. Key Industry Trends of CFD-Based Thermal Simulation Software

Table 48. Global CFD-Based Thermal Simulation Software Market Size Forecast by Regions (2024-2029) & (\$ Millions)

Table 49. Global CFD-Based Thermal Simulation Software Market Size Market Share Forecast by Regions (2024-2029)

Table 50. Global CFD-Based Thermal Simulation Software Market Size Forecast by Type (2024-2029) & (\$ Millions)

Table 51. Global CFD-Based Thermal Simulation Software Market Size Forecast by Application (2024-2029) & (\$ Millions)

Table 52. Mentor Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 53. Mentor CFD-Based Thermal Simulation Software Product Offered

Table 54. Mentor CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 55. Mentor Main Business

Table 56. Mentor Latest Developments

Table 57. Future Facilities Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 58. Future Facilities CFD-Based Thermal Simulation Software Product Offered

Table 59. Future Facilities Main Business

Table 60. Future Facilities CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 61. Future Facilities Latest Developments

Table 62. Degree Control Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 63. Degree Control CFD-Based Thermal Simulation Software Product Offered

Table 64. Degree Control Main Business

Table 65. Degree Control CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 66. Degree Control Latest Developments

Table 67. ANSYS Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 68. ANSYS CFD-Based Thermal Simulation Software Product Offered

Table 69. ANSYS Main Business

Table 70. ANSYS CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 71. ANSYS Latest Developments

Table 72. MSC Software Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 73. MSC Software CFD-Based Thermal Simulation Software Product Offered

Table 74. MSC Software Main Business

Table 75. MSC Software CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 76. MSC Software Latest Developments

Table 77. Dassault Systèmes S.A. Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 78. Dassault Systèmes S.A. CFD-Based Thermal Simulation Software Product Offered

Table 79. Dassault Systèmes S.A. Main Business

Table 80. Dassault Systèmes S.A. CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 81. Dassault Systèmes S.A. Latest Developments

Table 82. Altair Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 83. Altair CFD-Based Thermal Simulation Software Product Offered

Table 84. Altair Main Business

Table 85. Altair CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 86. Altair Latest Developments

Table 87. Siemens Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 88. Siemens CFD-Based Thermal Simulation Software Product Offered

Table 89. Siemens Main Business

Table 90. Siemens CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 91. Siemens Latest Developments

Table 92. Autodesk Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 93. Autodesk CFD-Based Thermal Simulation Software Product Offered

Table 94. Autodesk Main Business

Table 95. Autodesk CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 96. Autodesk Latest Developments

Table 97. FLOMERICS Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 98. FLOMERICS CFD-Based Thermal Simulation Software Product Offered

Table 99. FLOMERICS Main Business

Table 100. FLOMERICS CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 101. FLOMERICS Latest Developments

Table 102. COFAN USA Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 103. COFAN USA CFD-Based Thermal Simulation Software Product Offered

Table 104. COFAN USA CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 105. COFAN USA Main Business

Table 106. COFAN USA Latest Developments

Table 107. T-global Technology Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 108. T-global Technology CFD-Based Thermal Simulation Software Product Offered

Table 109. T-global Technology Main Business

Table 110. T-global Technology CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 111. T-global Technology Latest Developments

Table 112. SCConsultants Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 113. SCConsultants CFD-Based Thermal Simulation Software Product Offered

Table 114. SCConsultants Main Business

Table 115. SCConsultants CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 116. SCConsultants Latest Developments

Table 117. SimScale GmbH Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 118. SimScale GmbH CFD-Based Thermal Simulation Software Product Offered

Table 119. SimScale GmbH Main Business

Table 120. SimScale GmbH CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 121. SimScale GmbH Latest Developments

Table 122. Transsolar KlimaEngineering Details, Company Type, CFD-Based Thermal Simulation Software Area Served and Its Competitors

Table 123. Transsolar KlimaEngineering CFD-Based Thermal Simulation Software Product Offered

Table 124. Transsolar KlimaEngineering Main Business

Table 125. Transsolar KlimaEngineering CFD-Based Thermal Simulation Software Revenue (\$ million), Gross Margin and Market Share (2018-2023)

Table 126. Transsolar KlimaEngineering Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. CFD-Based Thermal Simulation Software Report Years Considered
- Figure 2. Research Objectives
- Figure 3. Research Methodology
- Figure 4. Research Process and Data Source
- Figure 5. Global CFD-Based Thermal Simulation Software Market Size Growth Rate 2018-2029 (\$ Millions)
- Figure 6. CFD-Based Thermal Simulation Software Sales by Geographic Region (2018, 2022 & 2029) & (\$ millions)
- Figure 7. CFD-Based Thermal Simulation Software Sales Market Share by Country/Region (2022)
- Figure 8. CFD-Based Thermal Simulation Software Sales Market Share by Country/Region (2018, 2022 & 2029)
- Figure 9. Global CFD-Based Thermal Simulation Software Market Size Market Share by Type in 2022
- Figure 10. CFD-Based Thermal Simulation Software in Chemical Industry
- Figure 11. Global CFD-Based Thermal Simulation Software Market: Chemical Industry (2018-2023) & (\$ Millions)
- Figure 12. CFD-Based Thermal Simulation Software in Material
- Figure 13. Global CFD-Based Thermal Simulation Software Market: Material (2018-2023) & (\$ Millions)
- Figure 14. CFD-Based Thermal Simulation Software in Electronics
- Figure 15. Global CFD-Based Thermal Simulation Software Market: Electronics (2018-2023) & (\$ Millions)
- Figure 16. CFD-Based Thermal Simulation Software in Energy
- Figure 17. Global CFD-Based Thermal Simulation Software Market: Energy (2018-2023) & (\$ Millions)
- Figure 18. CFD-Based Thermal Simulation Software in Automotive
- Figure 19. Global CFD-Based Thermal Simulation Software Market: Automotive (2018-2023) & (\$ Millions)
- Figure 20. CFD-Based Thermal Simulation Software in Aerospace
- Figure 21. Global CFD-Based Thermal Simulation Software Market: Aerospace (2018-2023) & (\$ Millions)
- Figure 22. CFD-Based Thermal Simulation Software in Others
- Figure 23. Global CFD-Based Thermal Simulation Software Market: Others (2018-2023) & (\$ Millions)

Figure 24. Global CFD-Based Thermal Simulation Software Market Size Market Share by Application in 2022

Figure 25. Global CFD-Based Thermal Simulation Software Revenue Market Share by Player in 2022

Figure 26. Global CFD-Based Thermal Simulation Software Market Size Market Share by Regions (2018-2023)

Figure 27. Americas CFD-Based Thermal Simulation Software Market Size 2018-2023 (\$ Millions)

Figure 28. APAC CFD-Based Thermal Simulation Software Market Size 2018-2023 (\$ Millions)

Figure 29. Europe CFD-Based Thermal Simulation Software Market Size 2018-2023 (\$ Millions)

Figure 30. Middle East & Africa CFD-Based Thermal Simulation Software Market Size 2018-2023 (\$ Millions)

Figure 31. Americas CFD-Based Thermal Simulation Software Value Market Share by Country in 2022

Figure 32. United States CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 33. Canada CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 34. Mexico CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 35. Brazil CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 36. APAC CFD-Based Thermal Simulation Software Market Size Market Share by Region in 2022

Figure 37. APAC CFD-Based Thermal Simulation Software Market Size Market Share by Type in 2022

Figure 38. APAC CFD-Based Thermal Simulation Software Market Size Market Share by Application in 2022

Figure 39. China CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 40. Japan CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 41. Korea CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 42. Southeast Asia CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 43. India CFD-Based Thermal Simulation Software Market Size Growth

2018-2023 (\$ Millions)

Figure 44. Australia CFD-Based Thermal Simulation Software Market Size Growth

2018-2023 (\$ Millions)

Figure 45. Europe CFD-Based Thermal Simulation Software Market Size Market Share by Country in 2022

Figure 46. Europe CFD-Based Thermal Simulation Software Market Size Market Share by Type (2018-2023)

Figure 47. Europe CFD-Based Thermal Simulation Software Market Size Market Share by Application (2018-2023)

Figure 48. Germany CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 49. France CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 50. UK CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 51. Italy CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 52. Russia CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 53. Middle East & Africa CFD-Based Thermal Simulation Software Market Size Market Share by Region (2018-2023)

Figure 54. Middle East & Africa CFD-Based Thermal Simulation Software Market Size Market Share by Type (2018-2023)

Figure 55. Middle East & Africa CFD-Based Thermal Simulation Software Market Size Market Share by Application (2018-2023)

Figure 56. Egypt CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 57. South Africa CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 58. Israel CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 59. Turkey CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 60. GCC Country CFD-Based Thermal Simulation Software Market Size Growth 2018-2023 (\$ Millions)

Figure 61. Americas CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 62. APAC CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 63. Europe CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 64. Middle East & Africa CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 65. United States CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 66. Canada CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 67. Mexico CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 68. Brazil CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 69. China CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 70. Japan CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 71. Korea CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 72. Southeast Asia CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 73. India CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 74. Australia CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 75. Germany CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 76. France CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 77. UK CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 78. Italy CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 79. Russia CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 80. Spain CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 81. Egypt CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 82. South Africa CFD-Based Thermal Simulation Software Market Size



2024-2029 (\$ Millions)

Figure 83. Israel CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 84. Turkey CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 85. GCC Countries CFD-Based Thermal Simulation Software Market Size 2024-2029 (\$ Millions)

Figure 86. Global CFD-Based Thermal Simulation Software Market Size Market Share Forecast by Type (2024-2029)

Figure 87. Global CFD-Based Thermal Simulation Software Market Size Market Share Forecast by Application (2024-2029)

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