Global Computational Fluid Dynamics (CFD) Market 2014-2018

Description: About CFD

To analyze the flow, turbulence, and pressure distribution of liquids and gases, and their interaction with structures, various end-users implement the CFD software. CFD is the science of predicting fluid flow, mass transfer, chemical reactions, and related phenomenon. To simulate the flow of fluids (gases and liquids), CFD uses high-speed computers, various numerical methods, and solvers. Simulation is nothing but the digital prototype of the real world scenario, which helps in detecting errors in designing. CFD finds wide applications in industries such as Automotive, Aerospace and Defense, Electrical and Electronics, and Energy. In the Aerospace and Defense industry, CFD is used to design fuel systems, engine core compartments, cockpit and cabin ventilation, missiles, and submarines, and also in aerodynamics design.

The analysts forecast the Global CFD market to grow at a CAGR of 12.85 percent over the period 2013-2018.

Covered in this Report

This report covers the present scenario and the growth prospects of the Global CFD market during the period 2014-2018. To calculate the market size, the report considers the revenue generated from the offerings of CFD services and products.

The report, the Global CFD Market 2014-2018, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the Americas, and the APAC and EMEA regions; it also covers the Global CFD market landscape and its growth prospects in the coming years. The report includes a discussion of the key vendors operating in this market.

Key Regions
- Americas
- APAC
- EMEA

Key Vendors
- Ansys
- CD-adapco Group
- COMSOL
- ESI Group
- EXA Corp.
- Mentor Graphics

Other Prominent Vendors
- AspenTech
- Bentley Systems
- Blue Ridge Numerics (Autodesk)
- Computational Engineering International (CEI)
- Dassault Systèmes
- Flow Science
- Numeca International

Market Drivers
- Demand from Developing Economies
- For a full, detailed list, view our report

Market Challenges
- Popularity of Open-source Communities
- For a full, detailed list, view our report

Market Trends
- Demand for Integrated Software
- For a full, detailed list, view our report
Key Questions Answered in this Report
- What will the market size be in 2018 and what will the growth rate be?
- What are the key market trends?
- What is driving this market?
- What are the challenges to market growth?
- Who are the key vendors in this market space?
- What are the market opportunities and threats faced by the key vendors?
- What are the strengths and weaknesses of the key vendors?

Contents:
01. Executive Summary
02. List of Abbreviations
03. Scope of the Report
03.1 Market Overview
03.2 Product Offerings
04. Market Research Methodology
04.1 Market Research Process
04.2 Research Methodology
05. Introduction
06. Market Landscape
06.1 Market Overview
06.2 Market Size and Forecast
06.3 Five Forces Analysis
07. Market Segmentation by End-users
07.1 Global CFD Market by End-users 2013-2018
07.2 Global CFD Market by Automotive Industry
07.2.1 Market Size and Forecast
07.3 Global CFD Market by Aerospace and Defence Industry 2014-2018
07.3.1 Market Size and Forecast
07.4 Global CFD Market by Industrial Machinery industry
07.4.1 Market Size and Forecast
07.5 Global CFD Market by Electrical and Electronics Industry
07.5.1 Market Size and Forecast
08. Geographical Segmentation
08.1 Global CFD Market by Geographical Segmentation 2013-2018
08.2 CFD Market in North America
08.2.1 Market Size and Forecast
08.2.2 End-User Segmentation
08.2.3 Geographical Segmentation
08.3 CFD Market in Europe
08.3.1 Market Size and Forecast
08.3.2 End-user Segmentation
08.3.3 Geographical Segmentation
08.4 CFD Market in the APAC Region
08.4.1 Market Size and Forecast
08.4.2 End-user Segmentation
08.4.3 Geographical Segmentation
08.5 CFD Market in South America
08.5.1 Market Size and Forecast
08.5.2 End-user Segmentation
08.5.3 Geographical Segmentation
09. Key Leading Countries
09.1 US
09.1.1 Market Size and Forecast
09.1.2 End-user Segmentation
09.2 Germany
09.2.1 Market Size and Forecast
09.3 Japan
09.3.1 Market Size and Forecast
09.4 China
09.4.1 Market Size and Forecast
10. Buying Criteria
11. Market Growth Drivers
12. Drivers and their Impact
13. Market Challenges
14. Impact of Drivers and Challenges
15. Market Trends
16. Trends and their Impact
17. Vendor Landscape
17.1 Competitive Scenario
17.1.1 Mergers and Acquisitions
17.2 Market Share Analysis 2013
18. Key Vendor Analysis
18.1 Ansys
18.1.1 Business Overview
18.1.2 Business Segmentation
18.1.3 Key Information
18.1.4 SWOT Analysis
18.2 CD-adapco
18.2.1 Business Overview
18.2.2 Business Segmentation
18.2.3 Key Information
18.2.4 SWOT Analysis
18.3 Mentor Graphics
18.3.1 Business overview
18.3.2 Key Information
18.3.3 SWOT Analysis
18.4 COMSOL
18.4.1 Business Overview
18.4.2 Key Information
18.4.3 SWOT Analysis
18.5 ESI Group
18.5.1 Business Overview
18.5.2 Key Information
18.5.3 SWOT Analysis
18.6 EXA
18.6.1 Business Overview
18.6.2 Business Segmentation
18.6.3 Key Information
18.6.4 SWOT Analysis
19. Other Reports in this Series

List of Exhibits
Exhibit 1: Market Research Methodology
Exhibit 2: Global CFD Market 2014-2018 (US$ million)
Exhibit 3: Global CFD Market by End-User Segmentation 2014-2018
Exhibit 4: Growth Rate Comparison of End-User Segments in the Global CFD Market 2014-2018
Exhibit 5: Global CFD Market in the Automotive Industry 2014-2018 (US$ million)
Exhibit 6: Global CFD Market in the Aerospace and Defence Industry 2014-2018 (US$ million)
Exhibit 7: Global CFD Market in the Industrial Machinery Industry 2014-2018 (US$ million)
Exhibit 8: Global CFD Market in the Electrical and Electronics Industry 2014-2018 (US$ million)
Exhibit 9: Global CFD Market by Geographical Segmentation
Exhibit 10: CFD Market in North America
Exhibit 11: CFD Market in North America by End-user Segmentation 2014-2018
Exhibit 12: CFD Market in North America by Geographical Segmentation 2013
Exhibit 13: CFD Market in Europe 2014-2018 (US$ million)
Exhibit 14: CFD Market in Europe by End-user Segmentation
Exhibit 15: CFD Market in Europe by Geographical Segmentation
Exhibit 16: CFD Market in the APAC Region 2014-2018 (US$ million)
Exhibit 17: CFD Market in the APAC Region by End-user Segmentation
Exhibit 18: CFD Market in the APAC Region by Geographical Segmentation
Exhibit 19: CFD Market in South America 2014-2018 (US$ million)
Exhibit 20: CFD Market in South America by End-user Segmentation
Exhibit 21: CFD Market in South America by Geographical Segmentation
Exhibit 23: CFD market in the US by End-user Segmentation 2013
Exhibit 24: CFD Market in Germany 2014-2018 (US$ million)
Exhibit 25: CFD Market in Japan 2014-2018 (US$ million)
Exhibit 26: CFD Market in China 2014-2018 (US$ million)
Exhibit 27: Global CFD Market by Vendor Segmentation 2013
Exhibit 28: Business Segmentation for Ansys
Exhibit 29: Business Segmentation for CD-adapco
Exhibit 30: Business Segmentation for EXA

Ordering:
Order Online - http://www.researchandmarkets.com/reports/2565966/
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Global Computational Fluid Dynamics (CFD) Market 2014-2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Address:</td>
<td><a href="http://www.researchandmarkets.com/reports/2565966/">http://www.researchandmarkets.com/reports/2565966/</a></td>
</tr>
<tr>
<td>Office Code:</td>
<td>SCPL8XS6</td>
</tr>
</tbody>
</table>

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF)</td>
<td></td>
</tr>
<tr>
<td>Single User:</td>
<td>USD 2500</td>
</tr>
<tr>
<td>1 - 5 Users:</td>
<td>USD 2800</td>
</tr>
<tr>
<td>Site License:</td>
<td>USD 3500</td>
</tr>
<tr>
<td>Enterprisewide:</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in **BLOCK CAPITALS**

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr</th>
<th>Mrs</th>
<th>Dr</th>
<th>Miss</th>
<th>Ms</th>
<th>Prof</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last Name:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Email Address: *</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Job Title:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organisation:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Country:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone Number:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fax Number:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World