

CFD 2017 Global Market Expected to Grow at CAGR 18.23% and Forecast to 2019

The analysts forecast the Global CFD market in the Automotive industry to grow at a CAGR of 18.23 percent over the period 2014-2019.

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Global CFD Market

Description

CFD is a software application that helps end-users analyze the flow, turbulence, and pressure distribution of liquids and gases and their interaction with structures. It also helps in predicting fluid flow, mass transfer, chemical reactions, and related phenomena. CFD uses high-speed computers, various numerical methods, and solvers to simulate the flow of fluids (gases and liquids). Simulation refers to the digital prototype of the real-world scenario, which helps in detecting errors in designing before proceeding to production. CFD is widely used across industries such as the Automotive, Aerospace and Defense, Electronics and Semiconductor, and Energy. In the Automotive industry, CFD software is used to analyze the feasibility of the heat transfer mechanisms such as ventilation, cooling, underhood thermal management, and aerodynamics of an automobile.

Covered in this Report

The report covers the present scenario and the growth prospects of the Global CFD market in the Automotive industry for the period 2015-2019. In terms of geography, the Global CFD market in the Automotive industry can be segmented into three: the Americas, and the EMEA and APAC regions.



The Global CFD Market in the Automotive Industry 2015-2019, 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 landscape of the Global CFD market in the Automotive industry and its growth prospects in the coming years. The report includes a discussion of the key vendors operating in this market.

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Key Regions

- Americas
- APAC
- EMEA

Key Vendors

- ANSYS
- Autodesk
- CD-adapco Group
- COMSOL
- ESI Group
- Mentor Graphics

Other Prominent Vendors

- AspenTech
- Bentley Systems
- Computational Engineering International
- Dassault Systèmes
- EXA
- Flow Science
- Numeca International

Market Driver

- Reduction in Product Design and Development Costs
- For a full, detailed list, view our report

Market Challenge

- High Training Cost
- For a full, detailed list, view our report

Market Trend

- Availability of Cloud-based CFD 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?

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