Global CFD Market in Aerospace and Defense Industry 2015-2019

Description: About CFD Software

CFD is a tool that analyzes the flow, turbulence, pressure distribution, and interaction of fluids with structures by using numerical simulations based on Navier-Stokes equation. It is the science predicting fluid flow, mass transfer, chemical reactions, and related phenomenon. CFD technology uses high-speed computers, numerical methods, and solvers to simulate the flow of fluids (gases and liquids). This software enables end-users to simulate a product's real-world performance by digitally prototyping its creation, thereby allowing end-users to detect and rectify erroneous designs before the manufacturing process. CFD is largely used across industries such as the Automotive, Aerospace and Defense, Electronics and Semiconductor, and Energy for various applications. In the Aerospace and Defense industry, CFD is used to design external aerodynamics, fuel systems, engine core compartments, cockpit and cabin ventilation, missiles, and submarines.

The analysts forecast the Global CFD market in the Aerospace and Defense industry to grow at a CAGR of 14.01 percent over the period 2013-2018.

Covered in this Report

The report, the Global CFD Market in the Aerospace and Defense 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 Aerospace and Defense industry 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
- Mentor Graphics

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

Market Driver
- Need to Reduce Product Development Cycle
- For a full, detailed list, view our report

Market Challenge
- Lack of Adoption of Cloud-based Solutions
- For a full, detailed list, view our report

Market Trend
- Increase in Adoption of LBE-based CFD
- 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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