



Simulation and Analysis Software Market Segmentation, Parameters and Prospects 2016 to 2021 Market Research Report

Global Simulation and Analysis Software Market 2016-2020

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[Simulation and analysis software](#) is one of the major segments of product life cycle management (PLM) software, and it has a 14% share in the global PLM software market. PLM customers need simulation and analysis tools to achieve long-term benefits of PLM software. Increasing adoption of PLM software enhances the demand for simulation and analysis software.

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 other 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 designs before proceeding to production. CFD finds wide applications in industries such as the automotive, aerospace and defense, electrical and electronics, and energy.

Technavio's analysts forecast the global simulation and analysis software market to grow at a CAGR of 11.9% during the period 2016-2020.

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Covered in this report

The report covers the present scenario and the growth prospects of the global simulation and analysis software market for 2016-2020. To calculate the market size, we have considered the revenue generated from the sales of simulation and analysis software (finite element analysis [FEA], CFD, and Emag) licenses and services.

The market is divided into the following segments based on geography:

- Africa
- APAC
- Europe
- Middle East
- North America
- South America

The report, Global Simulation and Analysis Software Market 2016-2020, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.

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Key vendors

- ANSYS
- MSC Software
- Dassault Systèmes
- CD-adapco
- Siemens PLM Software
- Mentor Graphics

Other prominent vendors

- Altair Engineering
- Aspen Tech
- Bentley Systems
- Blue Ridge Numerics (Autodesk)
- Computational Engineering International
- ESI
- Exa
- Flow Science
- NEi Software
- Numeca International

Market driver

- Availability and high demand for integration with computer-aided design (CAD)
- For a full, detailed list, view our report

Market challenge

- Availability of open-source software
- For a full, detailed list, view our report

Market trend

- Use of simulation software to develop Internet of Things (IoT) supporting devices
- For a full, detailed list, view our report

Key questions answered in this report

- What will the market size be in 2020 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?

You can request one free hour of our analyst's time when you purchase this market report. Details are provided within the report.

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