

Simulation Software Market by Component (Software and Services), Deployment Mode (On-premise and Cloud), and Industry Vertical (Architecture, Engineering, Construction (AEC), Aerospace & Defense, Automotive, Electrical & Electronics, Healthcare, and Others): Global Opportunity Analysis and Industry Forecast, 2018 - 2025

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Abstracts

Simulation Software Market Overview:

Simulation is a representation of the functioning of a system or process. Through simulation, a model may be implanted with unlimited variations, producing complex scenarios. Simulation software is based on the process of modeling a real phenomenon with a set of mathematical formulas. It helps to predict the behavior of the system. These capabilities allow analysis and understanding of how individual elements interact and affect the simulated environment. It is used to evaluate a new design, analyze problems with present design, and test a system in conditions that are difficult to reproduce.

Increase in demand for eco-friendly work environment, need to test different designs before constructing one in hardware, rise in use of simulation software in automotive and healthcare industry, and significant adoption of simulation among aerospace & defense are some of the major factors that drive the growth of the global simulation software market. Further, growing number of small and medium enterprise units are anticipated to drive the growth of the market. However, risks associated with data security are expected to restrain the simulation software market growth. Emerging trends such as digital twins in the industry 4.0 and use of simulation software to develop



IoT supporting devices are expected to provide lucrative opportunities for the global simulation software market during the forecast period.

The global simulation software market is segmented based on component, deployment type, industry vertical, and region. Based on component, it is divided into software and services. Based on deployment type, the market is bifurcated into on-premise and cloud. On the basis of industry vertical, it is separated into architecture, engineering, construction (AEC), aerospace & defense, automotive, electrical & electronics, healthcare, and others. Based on region, the simulation software market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The global simulation software market report provides the profiles of key players namely, Altair Engineering Inc.; ANSYS, Inc.; Autodesk, Inc.; Bentley Systems; Dassault Systmes; Hexagon (MSC Software Corporation); The MathWorks, Inc.; PTC, Inc.; Siemens PLM Software; and The AnyLogic Company.

Key Benefits for Simulation Software Market:

The study provides an in-depth analysis of the global simulation software market along with the current & future trends to elucidate the imminent investment pockets.

Information about key drivers, restraints, and opportunities and their impact analysis on the market is provided.

Porter's five forces analysis illustrates the potency of buyers and suppliers operating in the industry.

Quantitative analysis from 2017 to 2025 is provided to determine the market potential.

Simulation Software Key Market Segments:

By Component

Software

Services



By Deployment Mode		
On-premise		
Cloud		
By Industry Vertical		
Architecture, Engineering, Construction (AEC)		
Aerospace & Defense		
Automotive		
Electrical & Electronics		
Healthcare		
Others		
By Region		
North America		
U.S.		
Canada		
Europe		
UK		
Germany		
_		

France



	Rest of Europe	
Asia-Pacific		
	China	
	India	
	Japan	
	Rest of Asia-Pacific	
LAM	IEA	
	Latin America	
	Middle East	
	Africa	
Key Market Players		
Alta	Altair Engineering, Inc.	
ANS	ANSYS, Inc.	
Autodesk Inc.		
Bentley Systems		
Das	Dassault Systmes	
Hex	agon (MSC Software Corporation)	
The	MathWorks, Inc.	
PTC	c, Inc.	



Siemens PLM Software

The AnyLogic Company



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FIGURE 58. SIEMENS AG: REVENUE SHARE BY SEGMENT, 2017 (%)



FIGURE 59. SIEMENS AG: REVENUE SHARE BY GEOGRAPHY, 2017 (%)



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