

# **Global Finite Element Analysis Market 2018 by Manufacturers, Countries, Type and Application, Forecast to 2023**

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## **Abstracts**

Finite element analysis helps to evaluate the functionality of a given product design before its prototype is produced. It is used in various manufacturing industries for estimation of structural strength and behavior, modeling, simulation, and design optimization.

Scope of the Report:

This report studies the Finite Element Analysis market status and outlook of Global and major regions, from angles of players, countries, product types and end industries; this report analyzes the top players in global market, and splits the Finite Element Analysis market by product type and applications/end industries.

The automotive industry was the major end-user of FEA software. The automotive industry uses finite element analysis software for the estimation of structural strength and behavior, modeling, simulation, and design optimization. The adoption of FEA enables a reduction in product design time, operational costs, and also lesser marketing time, which, in turn, improves the overall productivity. High R&D investments will also lead to the rise in purchase of FEA software and services; thus, fueling market growth in this industry segment.

This market study estimates that in terms of geographical regions, the Americas will dominate The global market. Much of this growth can be attributed to the exponential increase in the growth of the R&D sector and continuous support from the government since this will attract several product lifecycle management and FEA software companies to start R&D facilities in this region.

The global Finite Element Analysis market is valued at xx million USD in 2017 and is

expected to reach xx million USD by the end of 2023, growing at a CAGR of xx% between 2017 and 2023.

The Asia-Pacific will occupy for more market share in following years, especially in China, also fast growing India and Southeast Asia regions.

North America, especially The United States, will still play an important role which cannot be ignored. Any changes from United States might affect the development trend of Finite Element Analysis.

Europe also play important roles in global market, with market size of xx million USD in 2017 and will be xx million USD in 2023, with a CAGR of xx%.

Market Segment by Companies, this report covers

Ansys

CD-adapco

Dassault Systemes

Mentor Graphics

MSC Software

Siemens PLM Software

Altair Engineering

AspenTech

Autodesk

Computational Engineering International

ESI Group

Exa Corporation

Flow Science

NEi Software

Numecca International

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Modeling

Simulation

Design Optimization

Other

Market Segment by Applications, can be divided into

Automotive

Aerospace and Defense

Electrical and Electronics

Industrial Machinery

Other



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