

Architectural, Engineering, and Construction (AEC) Market by Product (Software, Services), Deployment Mode (On-premises, Cloud-based), Enterprise Size (Small and Medium-sized Enterprises (SMEs), Large Enterprises), End User (Construction and Architecture Companies, Education, and Others), and Region 2023-2028

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Abstracts

The global architectural, engineering, and construction (AEC) market size reached US\$ 8.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 15.7 Billion by 2028, exhibiting a growth rate (CAGR) of 10.18% during 2023-2028. Significant growth in the construction industry, and an increasing demand to create high-quality, high-performing building and infrastructure designs represent some of the key factors driving the market.

Architecture, engineering, and construction (AEC) software provides a host of services and plans the lifecycle process of a product from presentation to the final stage of production. It is widely used in designing, visualizing, drafting, and documenting the stages of the project. AEC is also used for building information modeling and electrical and plumbing. It helps to edit several elements using smart algorithmic search and group to enhance productivity and save time. It assists in reducing overhead costs and labor expenses, thus creating faster turn-around time on projects, and gaining insights into the latest technologies. As a result, AEC is extensively used by construction firms, real estate companies, interior designers, surveyors, and mechanical and electrical piping engineers.

One of the key factors driving the market growth is the significant expansion in the

residential, commercial, and construction sectors across the globe. AEC Software is widely used by designers and construction planners to manage building projects more efficiently. In line with this, with rapid urbanization, there has been an increasing demand for cost-effective and personalized designing solutions, which, in turn, is favoring the market growth. Moreover, the widespread adoption of AEC by professionals and architects to prepare a detailed layout and utilize a three-dimensional (3D) model-based approach for construction projects is acting as another growth-inducing factor. Along with this, the increasing demand to create high-quality, high-performing building and infrastructure designs with conceptual and detailed design tools is propelling the market growth. Additionally, the implementation of various government initiatives to mandate the use of AEC software for the construction of public buildings is driving the market growth. Apart from this, the widespread adoption of cloud-based AEC among both large and mid-sized enterprises, as it does not involve capital cost as well as has low maintenance requirements, is providing an impetus to the market growth. Furthermore, the integration of artificial intelligence (AI), virtual reality (VR), and the Internet of Things (IoT) technologies that assist in visualizing, designing, and offering realistic graphics that are accurate and easy to understand is facilitating the market growth. These technological advances help to enhance work efficiencies and save time, which is positively influencing the market growth. Other factors, including the significant growth in smart cities and extensive research and development (R&D) activities, are anticipated to drive the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global architecture, engineering, and construction (AEC) market, along with forecasts at the global, regional, and country level from 2023-2028. Our report has categorized the market based on product, deployment mode, enterprise size and end user.

Product Insights

Software
Services

The report has also provided a detailed breakup and analysis of the architecture, engineering, and construction (AEC) market based on the product. This includes software and services. According to the report, software represented the largest segment.

Deployment Mode Insights

On-premises

Cloud-based

A detailed breakup and analysis of the architecture, engineering, and construction (AEC) market based on the deployment mode has also been provided in the report. This includes on-premises and cloud-based. According to the report, on-premises accounted for the largest market share.

Enterprise Size Insights

Small and Medium-sized Enterprises (SMEs)

Large Enterprises

The report has also provided a detailed breakup and analysis of the architecture, engineering, and construction (AEC) market based on the enterprise size. This includes small and medium-sized enterprises (SMEs) and large enterprises. According to the report, large enterprises represented the largest segment.

End User Insights

Construction and Architecture Companies

Education

Others

A detailed breakup and analysis of the architecture, engineering, and construction (AEC) market based on the end user has also been provided in the report. This includes construction and architecture companies, education, and others. According to the report, construction and architecture companies accounted for the largest market share.

Regional Insights

North America

United States

Canada

Europe

Germany

France

United Kingdom

Italy
Spain
Russia
Others
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets that include North America (the United States and Canada); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Latin America (Brazil, Mexico, and others); and Middle East and Africa. According to the report, North America was the largest market for architecture, engineering, and construction (AEC). Some of the factors driving the North America architecture, engineering, and construction (AEC) market included its extensive applications in the construction industry, significant technological advancements, and extensive research and development (R&D) activities.

Competitive Landscape

The report has also provided a comprehensive analysis of the competitive landscape in the global architecture, engineering, and construction (AEC) market. Detailed profiles of all major companies have also been provided. Some of the companies covered include 4M Group, ACCA software S.p.A., Ansys Inc., Autodesk Inc., AVEVA Group Plc, Bentley Systems Incorporated, Construsoft B.V., CYPE Ingenieros S.A., Esri India Technologies Private Limited, Hexagon AB, Nemetschek SE, Procore Technologies Inc., etc. Kindly, note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

Architectural, Engineering, and Construction (AEC) Market by Product (Software, Services), Deployment Mode (On...

How has the global architecture, engineering, and construction (AEC) market performed so far and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global architecture, engineering, and construction (AEC) market?

What are the key regional markets?

Which countries represent the most attractive architecture, engineering, and construction (AEC) markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the deployment mode?

What is the breakup of the market based on enterprise-size?

What is the breakup of the market based on the end user?

What is the competitive structure of the global architecture, engineering, and construction (AEC) market?

Who are the key players/companies in the global architecture, engineering, and construction (AEC) market?

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