Building Information Modeling Market by Design & Modeling Software, Construction Simulation & Scheduling Software, Sustainability & Energy Analysis Software, Facility & Asset Management Software and Training & Certification - Global Forecast to 2030

Market Report | 2025-08-25 | 270 pages | MarketsandMarkets

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Report description:

The global building information modeling market is projected to grow from USD 9.03 billion in 2025 to USD 15.42 billion by 2030 at a CAGR of 11.3% during the forecast period. The BIM market is gaining momentum due to rising demand for efficient planning, cost control, and risk reduction in construction projects. Its ability to support sustainability goals, enable real-time data integration, and align with trends like modular construction is driving adoption. Government mandates and integration with technologies like IoT, digital twins, cloud, and AI are further accelerating growth. Together, these factors are establishing BIM as a key enabler of digital transformation in the construction sector.

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"Pre-construction phase in the project lifecycle segment is expected to hold the largest market share in 2025."
The pre-construction phase is expected to lead the BIM market as it plays a critical role in setting the foundation for successful project execution. BIM offers significant value during this stage by enabling detailed design visualization, clash detection, cost estimation, and scheduling, all before physical construction begins. This helps stakeholders identify potential design conflicts, optimize resource allocation, and reduce the likelihood of rework and delays. With growing pressure to deliver projects on time and within budget, AEC firms are increasingly leveraging BIM in the pre-construction phase to improve planning accuracy and stakeholder coordination. Moreover, the integration of 5D and 6D BIM in pre-construction is further enhancing decision-making related to cost and sustainability, making it a pivotal stage for BIM adoption.

"Cloud deployment type segment is projected to witness the fastest CAGR in the building information modeling market."
The cloud deployment type is expected to exhibit the fastest CAGR in the BIM market due to its scalability, cost-efficiency, and ease of remote access. As construction teams increasingly operate across multiple locations, cloud-based BIM solutions enable real-time collaboration, seamless data sharing, and centralized project management. These platforms reduce the need for heavy on-premise infrastructure, making them especially attractive to small and mid-sized firms. Moreover, integration with advanced technologies like IoT, AI, and digital twins is more seamless in the cloud environment, driving further adoption. As data security and connectivity improve, the shift toward cloud-based BIM is likely to accelerate significantly. Additionally, cloud deployment supports automatic updates and scalable storage, ensuring that teams always work with the latest data and models. The growing trend of remote and hybrid work models in the AEC industry further reinforces the demand for cloud-based BIM platforms.
"India is expected to witness the highest CAGR in the global building information modeling market."
India is expected to witness the fastest CAGR in the global BIM market due to rapid urbanization, a surge in infrastructure development, and increasing government initiatives promoting digital construction practices. Programs like Smart Cities Mission and PM Gati Shakti are driving demand for efficient planning and execution of large-scale projects, where BIM plays a vital role. Additionally, rising awareness among AEC professionals, expanding real estate and transportation sectors, and growing adoption of cloud-based and mobile BIM solutions are fueling market growth. The push for sustainability, cost-efficiency, and technological modernization is further encouraging BIM uptake across both public and private construction projects in the country. The increasing entry of international construction firms, local software providers, and startups is boosting BIM adoption through competitive pricing and localized solutions. Educational institutions and industry bodies in India are also emphasizing BIM training, helping bridge the skill gap and accelerate its integration into mainstream workflows. This supportive ecosystem positions India as a high-growth market for BIM in the coming years.
Extensive primary interviews were conducted with key industry experts in the building information modeling market space to determine and verify the market size for various segments and subsegments gathered through secondary research. The breakdown of primary participants for the report is shown below:
The study contains insights from various industry experts, from component suppliers to Tier 1 companies and OEMs. The break-up of the primaries is as follows:
- By Company Type: Tier 1 - 35%, Tier 2 - 45%, and Tier 3 - 20%
- By Designation: C-level - 40%, Managers - 30%, and Others - 30%
- By Region: North America- 40%, Europe - 30%, Asia Pacific - 20%, and RoW - 10%
Autodesk Inc. (US), Nemetschek Group (Germany), Bentley Systems, Incorporated (US), Procore Technologies, Inc. (US), Trimble Inc. (US), Dassault Systemes (France), Schneider Electric (France), Hexagon AB (Sweden), Asite (UK), and Archidata Inc. (Canada) are some of the key players in the building information modeling market.

Research Coverage:

This research report categorizes the building information modeling market based on offering (software, services), deployment type (on-premises, cloud), end user (AEC professionals, consultants & facility managers, and other end users), project lifecycle (pre-construction, construction, and operation), vertical (buildings, industrial, civil infrastructure, oil & gas, utilities, and other verticals), and region (North America, Europe, Asia Pacific, and RoW). The report describes the major drivers, restraints, challenges, and opportunities pertaining to the building information modeling market and forecasts the same till 2030. Apart from this, the report also consists of leadership mapping and analysis of all the companies included in the building information modeling ecosystem.
Key Benefits of Buying the Report
The report will help the market leaders/new entrants in this market by providing information on the closest approximations of the revenue numbers for the overall building information modeling market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:
-□Analysis of key drivers (rise in urbanization and infrastructure development globally; need for real-time collaboration, improved efficiency, and project visualization across stakeholders; rising adoption of digital twin technology to enhance lifecycle management; growing emphasis on sustainability and green building certifications; increasing need for reduction in rework and errors through model-based planning), restraints (high initial implementation cost; lack of skilled BIM professionals), opportunities (convergence of AR/VR technologies with BIM workflows; leveraging IoT to enhance BIM functionality in modern construction; global harmonization of BIM standards enabling cross-border project delivery; digital skill development programs supporting workforce readiness), and challenges (hardware and infrastructure limitations in emerging markets; lack of universal BIM standards across countries; delayed digital integration within the construction ecosystem) influencing the growth of the building information modeling market.
-□Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new software & service launches in the building information modeling market.
-□Market Development: Comprehensive information about lucrative markets - the report analyzes the building information modeling market across varied regions
-□Market Diversification: Exhaustive information about new software & services, untapped geographies, recent developments, and investments in the building information modeling market
-□Competitive Assessment: In-depth assessment of market shares, growth strategies, and product offerings of leading players, such as Autodesk Inc. (US), Nemetschek Group (Germany), Bentley Systems, Incorporated (US), Procore Technologies, Inc. (US), Trimble Inc. (US), Dassault Systemes (France), Schneider Electric (France), Hexagon AB (Sweden), Asite (UK), and Archidata Inc. (Canada), in the building information modeling market

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