
June 2017

Daedal Research
**Scope of the Report**

The report titled “Global Building Information Modeling (BIM) Market: (2017-2021 Edition)”, provides an in-depth analysis of the global BIM market by value, by segments, by components, by region, etc. The report also gives an insight of the global engineering software market. The report also provides a regional analysis of the BIM market, including the following regions: North America, MEA, Asia Pacific, Latin America and Europe.

Growth of the overall global BIM market has also been forecasted for the period 2017-2021, taking into consideration the previous growth patterns, the growth drivers and the current and future trends.

The competition in the global BIM market is fragmented with several small players, but there are two prominent big players, Autodesk, Inc. and Nemetschek. Further, key players of the BIM market Nemetschek, Autodesk, Inc., Bentley Systems Incorporation and Trimble Navigation Limited are profiled with their business overview, financial overview and respective business strategies.

**Country Coverage**

North America
Europe
APAC
Latin America
Middle East & Africa

**Company Coverage**

Nemetschek
Autodesk, Inc.
Bentley Systems Incorporation
Trimble Navigation Limited
Executive Summary

Building Information Modeling (BIM) refers to virtual or digital representation of a building or a non-building, embedded in it, its physical and functional characteristics. In other terms, BIM is a software technology, which has made 3D, 4D and 5D virtual view of a building before it actually goes on the ground. The elements of the virtual building are the digital prototype of the physical building elements such as walls, columns, windows, doors, stairs, etc. Any aspect of design performance can be simulated and assessed before it is built; thus enabling modifications in the design, making it clearly understandable. The computer generated models need precise geometry and data to support the construction, fabrication and procurement activities through which building is realized. BIM models are accessible through mobile/PCs/smartphones.

BIM is used for 3D coordination, prefabrication, record models, etc. The BIM enables collaboration among owners and design firms, reduction of rework, cost and errors, reduces the project duration and faster client approval on designs. BIM can be segmented by end user, deployment and verticals which can further be classified respectively. There are a plenty of BIM modeling tools, such as BIM authoring tools, BIM tools for shop drawing and fabrication and BIM construction management and scheduling tools.

The global BIM market has increased over the years and is expected to grow significantly during the years 2017-2021. The global BIM market is expected to increase due to rising expenditure and investment in construction industry both residential and non-residential, increasing digitization in construction sector, growing IT investment in construction and increasing governmental adoption of BIM by several nations. Yet the market faces some challenges, such as lack of definite regulation, lack of expertise in BIM and high costs, resistance to change on part of construction managers/contractors, social obstacles and problems of interoperability.
The global engineering software market by value is estimated to rise to US$...billion by 2021 from US$...billion in 2017 at a CAGR of ...% over the years 2017-2021. The global BIM market is anticipated to increase to US$...billion by 2021 from US$...billion in 2017 at a CAGR of ...% over the years 2017-2021. The global BIM market by segments could be classified into ..., .... and .... The major segment is likely to hold a share of ....% by 2021.
The global BIM project management market by value is likely to escalate to US$...million by 2021 from US$...million in 2017. The global BIM training segment by value is projected to increase to US$....million by 2021 from US$...million in 2017 at a CAGR of ...% over the years 2017-2021.

The global BIM software segment market by value is ascertained to rise to US$...million by 2021 at a CAGR of ...% over the duration of 2017-2021.
The North America BIM market by value was US$...million in 2016 compared from US$...million in 2012.
The APAC BIM market by value was US$...million in 2016 in comparison to US$....million in 2012.
The Latin America BIM market by value rose to US$....million in 2016 from US$....million in 2012.