

Building Information Modeling Market By Component (Solution and Services) Deployment Mode (Onpremise and Cloud), Project Life Cycle (Preconstruction, Construction, and Operations), Building Type (Commercial, Residential, and Industrial), Application (Planning & Modelling, Construction & Design, Asset Management, Building System Analysis & Maintenance Scheduling, and Others), and End User (Architects/Engineers, Contractors, and Others): Global Opportunity Analysis and Industry Forecast, 2020–2027

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## **Abstracts**

Building Information Modeling (BIM) is an intelligent 3D model-based process, which provides construction professionals, architecture, and engineers to efficiently design, manage, construct and plan the infrastructure of the buildings. BIM software is popular among end users as it provides lucrative advantages such as increased return on investments (ROIs) and time and money saving. Furthermore, rapidly increasing number of construction projects globally and rise in demand for automated models in the architecture, engineering, and construction (AEC) industry are the major factors driving the growth of the market. Moreover, government mandates regarding the use of BIM in building constructions are expected to boost its adoption worldwide.

Enhanced data communication and coordination among various stakeholders, coupled with improved construction productivity provides a leading edge to BIM users. In addition, rising government mandates for BIM usage across the globe and rowing



construction industry fuels the growth of the market. However, high cost of the software and limitation of the trained professionals hampers the growth of the market. Furthermore, Technological advancements to manage data at remote servers and improvised inter-coordination between users using cloud-based solutions are expected to provide lucrative opportunities for the growth of the market.

The global building information modeling market is segmented on the basis of component, deployment model, project life cycle, building type, application, end user, and region. In terms of component, it is bifurcated into solution and services. Based on deployment model, it is segmented into on-premise and cloud. By project life cycle, the building information modeling market is bifurcated into preconstruction, construction, and operations. In terms of building type, it is segmented into commercial, residential and industrial. By application, the market is segmented into, planning & modelling, construction & design, asset management, building system analysis & maintenance scheduling, and others. As per end user, it is divided into architects/engineers, contractors, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The key players profiled in the building information modeling market analysis are Autodesk, Inc., Asite Solution, Beck Technology Ltd, Bentley Systems, Incorporated, AVEVA Group plc, Dassault Syst?mes, Hexagon AB, Nemetschek SE, Pentagon Solution Ltd, and Trimble Ltd. These players have adopted various strategies to increase their market penetration and strengthen their position in the industry.

#### **KEY BENEFITS FOR STAKEHOLDERS**

The study provides an in-depth analysis of the building information modeling market along with current trends and future estimations to elucidate imminent investment pockets.

Information about key drivers, restrains, and opportunities and their impact analysis on the market size is provided in the report.

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

The quantitative analysis of building information modeling market for the period 2020–2027 is provided to determine the market potential.



### **KEY MARKET SEGMENTS**

BY COI	MPONENT	
	Solution	
	Service	
BY DEF	PLOYMENT MODE	
	On-premise	
	Cloud	
BY PROJECT LIFE CYCLE		
	Preconstruction	
	Construction	
	Operations	
BY APPLICATION		
	Planning & Modelling	
	Construction & Design	
	Asset Management	
	Building System Analysis & Maintenance Scheduling	
	Others	

## BY BUILDING TYPE



Commercial

	Residential				
	Industrial				
BY END USER					
	Architects/E	ngineers			
	Contractors				
	Others				
BY REGION					
	North America				
	U.S.				
	Cana	ada			
	Europe				
	UK				
	Gern	nany			
	Fran	ce			
	Russ	sia			
	Italy				
	Rest	of Europe			
	Asia-Pacific				



China

	Japan				
	India				
	South Korea				
	Singapore				
	Rest of Asia-Pacific				
LAMEA					
	Latin America				
	Middle East				
	Africa				
LEV MADLET	DI AVEDO				
KEY MARKET PLAYERS					
Autodes	Autodesk, Inc.				
Asite So	Asite Solution				
Beck Te	Beck Technology Ltd				
Bentley	Bentley Systems, Incorporated				
AVEVA	AVEVA Group plc				
Dassau	Dassault Syst?mes				
Hexago	Hexagon AB				
Nemets	Nemetschek SE				



Pentagon Solution Ltd

Trimble Ltd.

## **List of Company Profiles**

Some of the key building information modeling market industry players profiled in the report include Autodesk, Inc., Asite Solution, Beck Technology Ltd, Bentley Systems, Incorporated, AVEVA Group plc, Dassault Syst?mes, Hexagon AB, Nemetschek SE, Pentagon Solution Ltd, and Trimble Ltd. This study includes market trends, building information modeling market analysis, and future estimations to determine the imminent investment pockets.



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FIGURE 66.ASITE SOLUTIONS: REVENUE SHARE BY REGION, 2019 (%)

FIGURE 67.R&D EXPENDITURE, 2017–2019 (\$MILLION)

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FIGURE 72.BENTLEY SYSTEMS, INCORPORATED: REVENUE SHARE BY REGION, 2019 (%)

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FIGURE 75.DASSAULT SYST?MES: REVENUE SHARE BY REGION, 2019 (%)

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FIGURE 77.HEXAGON AB: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 78.HEXAGON AB: REVENUE SHARE BY REGION, 2019 (%)

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FIGURE 80.NEMETSCHEK SE: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 81.NEMETSCHEK SE: REVENUE SHARE BY REGION, 2019 (%)

FIGURE 82.R&D EXPENDITURE, 2017–2019 (\$MILLION)

FIGURE 83.TRIMBLE LTD.: REVENUE, 2017–2019 (\$MILLION)

FIGURE 84.TRIMBLE LTD.: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 85.TRIMBLE LTD.: REVENUE SHARE BY REGION, 2019 (%)



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