World Building Information Modeling (BIM) Market - Opportunities and Forecasts, 2015-2022

Description:
Building Information Modeling (BIM), is a digital representation of a construction project, which can be used by architects, engineers and other construction professionals. It helps in planning, designing, constructing, operating and maintaining the diverse physical infrastructure coupled with speedy data exchange among the involved entities. Nowadays, this software tool is becoming exceptionally popular among end users owing to its lucrative advantages such as increased return on investments (ROIs), time and money saving. Rapidly increasing number of construction projects globally, rising awareness of BIM and associated benefits, and the growing demand for automated models in architecture, engineering and construction (AEC) industry, have been facilitating its adoption in construction industry, especially for commercial and infrastructure projects. Moreover, government mandates regarding usage of BIM in building constructions would further boost its adoption worldwide.

Enhanced data communication and coordination among various stakeholders coupled with improved construction productivity provides a leading edge to the BIM users. However, high cost of software and limited number of trained professionals are hindering the market growth to an extent. Technological advancements to manage data at a remote server and improved user inter-coordination enabled effectively by cloud based solutions have created ample opportunities for the market growth. Recently launched mobile applications by market leaders such as Autodesk, Inc. and Bentley Systems, Inc., to provide better access to their services have been widely accepted among customers, owing to their superior advantages over traditional CAD software. BIM encourages development of green buildings through energy simulation and prefabrication techniques with effective data exchange during the development of a project, thereby propelling the market growth.

World BIM market is segmented based on solution, software deployment type, end user, vertical and geography. BIM has been increasingly adopted across different verticals encompassing commercial, residential, institutional, industrial and infrastructure. The adoption rate among commercial and infrastructure is growing rapidly owing to mandates in accordance to government regulations. BIM software models are either delivered through cloud or on premise modes to the customers. Cloud-based solutions are gaining increased popularity among customers owing to cost effectiveness and easy access over on premise models. Geographically, BIM market is segmented into North America, Europe, Asia-Pacific and Latin America, Middle East and Africa (LAMEA). Asia-Pacific would be the fastest growing region owing to the high adoption of BIM in countries such as China, India and Japan. The key players profiled in the report include Beck Technology, Ltd., Autodesk, Inc., Dassault Systemes SA, Trimble Navigation Ltd., Synchro Software Ltd., Pentagon Solutions Ltd., Bentley Systems, Inc., AECOM, Nemetschek AG. and Asite Solutions Limited.

KEY BENEFITS:
- The study provides an in-depth analysis of the BIM market with current and future trends to elucidate the imminent investment pockets in the market.
- The report provides information regarding key drivers, restraints and opportunities with their impact analysis.
- Porter's five forces and SWOT analyses of key market players in the industry have been provided to highlight the growth strategies adopted by them.
- The value chain analysis of the industry signifies the key intermediaries involved and elaborates their roles and value additions at every stage in the value chain.
- The quantitative analysis of the market during the period of 2015–2022 has been provided to elaborate the market potential.

BUILDING INFORMATION MODELING (BIM) MARKET BY SEGMENTS:
The BIM market is segmented based on solution, software deployment type, end user, vertical and geography.

BIM Market by Solution
- Software
- Service

BIM Software Market by Deployment Type
- On premise
- Cloud-based

BIM Market by End User
- Architect/Engineer
- Contractor
- Others

BIM Market by Vertical
- Commercial
- Residential
- Infrastructure
- Institutional
- Industrial

BIM Market by Geography
- North America
- Europe
- Asia-Pacific
- Latin America, Middle East and Africa (LAMEA)

Key Players
- Beck Technology, Ltd.
- Autodesk, Inc.
- Dassault Systemes SA
- Trimble Navigation Ltd.
- Synchro Software Ltd.
- Pentagon Solutions Ltd.
- Bentley Systems, Inc.
- AECOM
- Nemetschek AG
- Asite Solutions Limited

Contents:
Chapter: 1 INTRODUCTION
1.1 Report Description
1.2 Key Benefits
1.3 Key market segments
1.4 Research methodology
1.4.1 Secondary research
1.4.2 Primary research
1.4.3 Analyst tools and models
Chapter: 2 EXECUTIVE SUMMARY
2.1 CXO perspective
Chapter: 3 MARKET OVERVIEW
3.1 Market definition and scope
3.2 Key findings
3.2.1 Top impacting factors
3.2.2 Top investment pockets
3.2.3 Top winning strategies
3.3 Porters five forces analysis
3.3.1 Fewer BIM developers and large number of construction firms in the market lead to high bargaining power of supplier
3.3.2 High product differentiation minimizes the bargaining power of buyer
3.3.3 Presence of renowned players in the market and high capital requirement restricts the entry of new players
3.3.4 Enhanced product quality and unique features minimises the threat from substitutes in the market
3.3.5 Unequal as well as less number of competitors in the market lowers the intensity of rivalry
3.4 Value chain analysis
3.5 Market share analysis, 2014
3.6 Market dynamics
3.6.1 Drivers
3.6.1.1 Enhanced productivity through interoperability
3.6.1.2 Government mandates for BIM usage
3.6.1.3 Growing construction industry
3.6.2 Restraints
3.6.2.1 High cost of BIM software
3.6.2.2 Lack of trained professionals
3.6.3 Opportunities
3.6.3.1 Growing concerns about energy efficiency

Chapter: 4 WORLD BIM MARKET BY SOLUTION
4.1 Introduction
4.1.1 Market size and forecast
4.2 Software
4.2.1 Key market trends
4.2.2 Competitive scenario
4.2.3 Key growth factors and opportunities
4.2.4 Market size and forecast
4.3 Services
4.3.1 Key market trends
4.3.2 Competitive scenario
4.3.3 Key growth factors and opportunities
4.3.4 Market size and forecast

Chapter: 5 WORLD BIM SOFTWARE MARKET BY DEPLOYMENT TYPE
5.1 Introduction
5.1.1 Market size and forecast
5.2 On premise
5.2.1 Key market trends
5.2.2 Competitive scenario
5.2.3 Key growth factors and opportunities
5.2.4 Market size and forecast
5.3 Cloud-based
5.3.1 Key market trends
5.3.2 Competitive scenario
5.3.3 Key growth factors and opportunities
5.3.4 Market size and forecast

Chapter: 6 WORLD BIM MARKET BY END USER
6.1 Introduction
6.1.1 Market size and forecast
6.2 Architect/Engineer
6.2.1 Key market trends
6.2.2 Key growth factors and opportunities
6.2.3 Market size and forecast
6.3 Contractor
6.3.1 Key market trends
6.3.2 Key growth factors and opportunities
6.3.3 Market size and forecast
6.4 Others
6.4.1 Key market trends
6.4.2 Key growth factors and opportunities
6.4.3 Market size and forecast

Chapter: 7 WORLD BIM MARKET BY VERTICAL
7.1 Introduction
7.1.1 Market size and forecast
7.2 Commercial
7.2.1 Key market trends
7.2.2 Competitive scenario
7.2.3 Key growth factors and opportunities
7.2.4 Market size and forecast
7.3 Residential
7.3.1 Key market trends
7.3.2 Competitive scenario
7.3.3 Key growth factors and opportunities
7.3.4 Market size and forecast
7.4 Infrastructure
7.4.1 Key market trends
7.4.2 Competitive scenario
7.4.3 Key growth factors and opportunities
7.4.4 Market size and forecast
7.5 Institutional
7.5.1 Key market trends
7.5.2 Competitive scenario
7.5.3 Key growth factors and opportunities
7.5.4 Market size and forecast
7.6 Industrial
7.6.1 Key market trends
7.6.2 Competitive scenario
7.6.3 Key growth factors and opportunities
7.6.4 Market size and forecast
Chapter: 8 WORLD BIM MARKET BY GEOGRAPHY
8.1 Introduction
8.2 North America
8.2.1 Key market trends
8.2.2 Competitive scenario
8.2.3 Key growth factors and opportunities
8.2.4 Market size and forecast
8.3 Europe
8.3.1 Key market trends
8.3.2 Competitive scenario
8.3.3 Key growth factors and opportunities
8.3.4 Market size and forecast
8.4 Asia-Pacific
8.4.1 Key market trends
8.4.2 Competitive scenario
8.4.3 Key growth factors and opportunities
8.4.4 Market size and forecast
8.5 Latin America, Middle East and Africa (LAMEA)
8.5.1 Key market trends
8.5.2 Competitive scenario
8.5.3 Key growth factors and opportunities
8.5.4 Market size and forecast
Chapter: 9 COMPANY PROFILES
9.1 Autodesk, Inc.
9.1.1 Company overview
9.1.2 Company snapshot
9.1.3 Business performance
9.1.4 Strategic moves and developments
9.1.5 SWOT analysis of Autodesk, Inc.
9.2 Beck Technology, Ltd.
9.2.1 Company overview
9.2.2 Company snapshot
9.2.3 Strategic moves and developments
9.2.4 SWOT analysis of Beck Technology, Ltd.
9.3 Trimble Navigation Ltd.
9.3.1 Company overview
9.3.2 Company snapshot
9.3.3 Business performance
9.3.4 Strategic moves and developments
9.3.5 SWOT analysis of Trimble Navigation Limited
9.4 Nemetschek AG
9.4.1 Company overview
9.4.2 Company snapshot
9.4.3 Business performance
9.4.4 Strategic moves and developments
9.4.5 SWOT analysis of Nemetschek AG
9.5 Pentagon Solutions Ltd.
9.5.1 Company overview
9.5.2 Company snapshot
9.5.3 Strategic moves and developments
9.5.4 SWOT analysis of Pentagon Solutions Ltd.
9.6 Dassault Systemes SA
9.6.1 Company overview
9.6.2 Company snapshot
9.6.3 Business performance
9.6.4 Strategic moves and developments
9.6.5 SWOT analysis of Dassault Systemes SA
9.7 Synchro Software Ltd.
9.7.1 Company overview
9.7.2 Company snapshot
9.7.3 Strategic moves and developments
9.7.4 SWOT analysis of Synchro Software Ltd.
9.8 Bentley Systems, Inc.
9.8.1 Company overview
9.8.2 Company snapshot
9.8.3 Business performance
9.8.4 Strategic moves and developments
9.8.5 SWOT analysis of Bentley Systems, Inc.
9.9 AECOM
9.9.1 Company overview
9.9.2 Company snapshot
9.9.3 Business performance
9.9.4 Strategic moves and developments
9.9.5 SWOT analysis of AECOM
9.10 Asite Solutions Ltd.
9.10.1 Company overview
9.10.2 Company snapshot
9.10.3 Strategic moves and developments
9.10.4 SWOT analysis of Asite Solutions Ltd.

List of Tables
Table 1 World BIM Market Revenue By Geography, 2015-2022 ($Million)
Table 2 World BIM Market Revenue By Solution Type, 2015-2022 ($Million)
Table 3 World BIM Software Market Revenue By Geography, 2015-2022 ($Million)
Table 4 World BIM Services Market Revenue By Geography, 2015-2022 ($Million)
Table 5 World BIM Software Market Revenue By Deployment Type, 2015-2022 ($Million)
Table 6 World BIM On Premise Software Market Revenue By Geography, 2015-2022 ($Million)
Table 7 World BIM Cloud-Based Software Market Revenue By Geography, 2015-2022 ($Million)
Table 8 World BIM Market Revenue By End-User, 2015-2022 ($Million)
Table 9 World BIM Market Revenue By Architects/Engineers By Geography, 2015-2022 ($Million)
Table 10 World BIM Market Revenue By Contractors By Geography, 2015-2022 ($Million)
Table 11 World BIM Market revenue By Other Users By Geography, 2015-2022 ($Million)
Table 12 World BIM Market Revenue By Industry Vertical, 2015-2022 ($Million)
Table 13 World Commercial Constructions BIM Market Revenue By Geography, 2015-2022 ($Million)
Table 14 World Residential Constructions BIM Market Revenue By Geography, 2015-2022 ($Million)
Table 15 World Infrastructure Constructions BIM Market Revenue By Geography, 2015-2022 ($Million)
Table 16 World Institutional Constructions BIM Market Revenue By Geography, 2015-2022 ($Million)
Table 17 World Industrial Constructions BIM Market Revenue By Geography, 2015-2022 ($Million)
Table 18 North America BIM Market Revenue By End User, 2015-2022 ($Million)
Table 19 Europe BIM Market Revenue By End User, 2015-2022 ($Million)
Table 20 Asia-Pacific BIM Market Revenue By End User, 2015-2022 ($Million)
Table 21 LAMEA BIM Market Revenue By End User, 2015-2022 ($Million)
Table 22 Snapshot Of Autodesk, Inc.
Table 23 Snapshot Of Beck Technology, Ltd.,
Table 24 Snapshot Of Trimble Navigation Ltd.
Table 25 Snapshot Of Nemetschek Ag
Table 26 Snapshot Of Pentagon Solutions Ltd.
Table 27 Snapshot Of Dassault Systemes Sa
Table 28 Snapshot Of Synchro Software Ltd.
Table 29 Snapshot Of Bentley Systems, Inc.
Table 30 Snapshot Of Aecom
Table 31 Snapshot Of Asite Solutions Ltd.

List of Figures
Fig. 1 Top Impacting Factors
Fig. 2 Top Investment Pockets
Fig. 3 Top Winning Strategies In BIM Market
Fig. 6 Value Chain Analysis
Fig. 7 Market Share Analysis, 2014
Fig. 8 Difference Between Cloud-Based And On Premise BIM Software Models
Fig. 9 Difference Between Traditional And BIM Based Construction Model
Fig. 10 World BIM Market By Industry Vertical
Fig. 11 Revenue Of Autodesk, Inc., $Million (2013-2015)
Fig. 12 Revenue Of Autodesk, Inc., By Products And Services (%, 2015)
Fig. 13 Revenue Of Autodesk, Inc., By Geography (%, 2015)
Fig. 14 Swot Analysis Of Autodesk, Inc.
Fig. 15 Swot Analysis Of Beck Technology, Ltd.
Fig. 16 Revenue Of Trimble Navigation Ltd., $Million (2012-2014)
Fig. 17 Swot Analysis Of Trimble Navigation Ltd.
Fig. 18 Revenue Of Nemetschek Ag, $Million (2012-2014)
Fig. 19 Revenue Of Nemetschek Ag, By Business Segment (%, 2014)
Fig. 20 Revenue Of Nemetschek Ag, By Geography (%, 2014)
Fig. 21 Swot Analysis Of Nemetschek Ag
Fig. 22 Swot Analysis Of Pentagon Solutions Ltd.
Fig. 23 Revenue Of Dassault Systemes Sa, $Million (2012-2014)
Fig. 24 Revenue Of Dassault Systemes Sa, By Business Segment (%, 2014)
Fig. 25 Revenue Of Dassault Systemes Sa, By Geography (%, 2014)
Fig. 26 Swot Analysis Of Dassault Systemes Sa
Fig. 27 Swot Analysis Of Synchro Software Ltd.
Fig. 28 Revenue Of Bentley Systems, Inc., $Million (2012-2014)
Fig. 29 Revenue Of Bentley Systems, Inc., By Geography (%, 2014)
Fig. 30 Swot Analysis Of Bentley Systems, Inc.
Fig. 31 Revenue Of Aecom, $Million (2012-2014)
Fig. 32 Revenue Of Aecom, By Business Segments (%, 2014)
Fig. 33 Revenue Of Aecom, By Geography (%, 2014)
Fig. 34 Swot Analysis Of Aecom
Fig. 35 Revenue Of Asite Solutions Ltd., $Million (2012-2014)
Fig. 36 Revenue Of Asite Solutions Ltd., By Geography (%, 2014)
Fig. 37 Swot Analysis Of Asite Solutions Ltd.

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