

Global Building Information modeling (BIM) Market: (2019-2023 Edition)

May 2019



Global Building Information Modeling (BIM) Market: Coverage

Executive Summary and Scope

Introduction/Market Overview

Market Analysis

Dynamics

Competitive Landscape

Company Profiling

Global Building Information Modeling (BIM) Market : Coverage

Scope of the Report

Attributes	Details
Title	Global Building Information Modeling (BIM) Market: (2019-2023 Edition)
Coverage	America, Europe and Asia Pacific
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Forecast Period of Market	2019-2023
Competition in the Market	Fragmented
Key Players	Nemetschek, Autodesk Inc., Bentley Systems Incorporation and Trimble Navigation Limited

Global Building Information Modeling (BIM) Market

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.

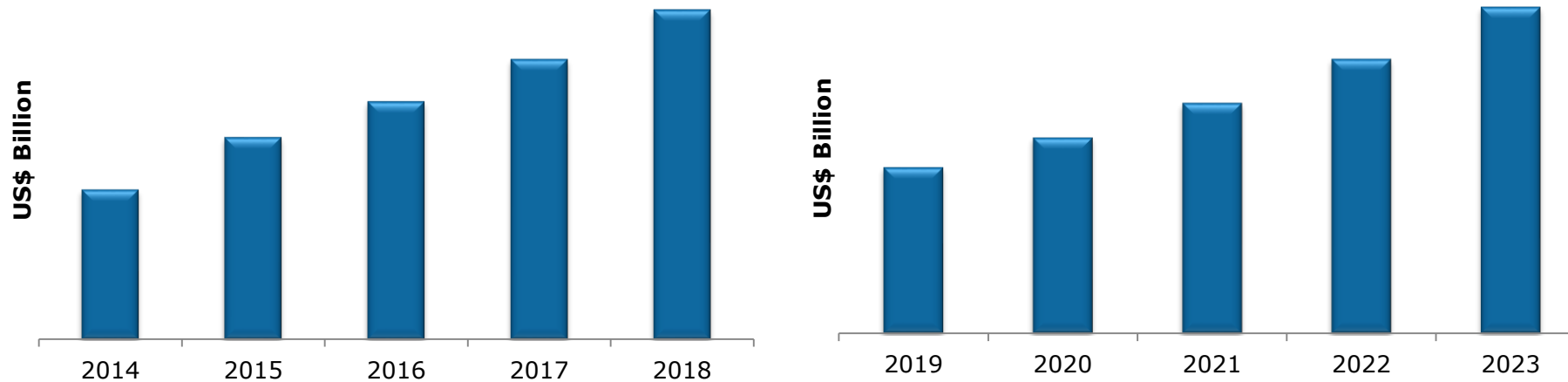
BIM is used for 3D coordination, prefabrication, record models, etc. The BIM enables collaboration among owners and design firms, reduction of rework, cost and errors, reduces the project duration and faster client approval on designs. BIM can be segmented by end user, deployment and verticals which 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 2019-2023. 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.

Integration of BIM with Internet of Things (IoT) technology, scope of Augmented and Virtual reality in the BIM market, evolution of 5D BIM and spike in mergers and acquisitions (M&A) activity are some of the latest trends existing in the market.

Global BIM Market: An Analysis

Global Building Information modeling (BIM) Market by Value



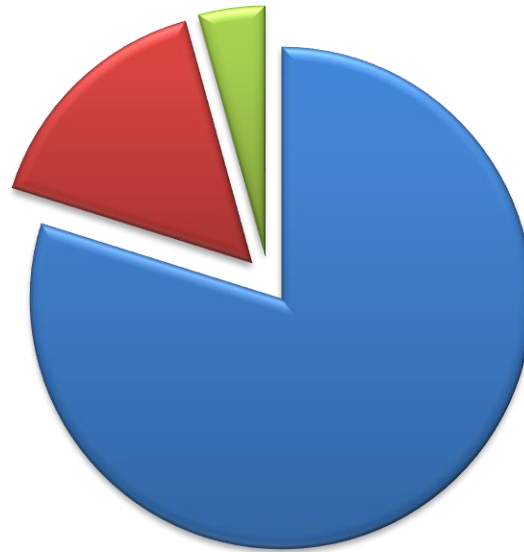
CAGRs

2019-2023	xx%
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The global BIM market demonstrated an increasing trend over the years 2014-2018 posting a CAGR of ...% over the years 2014-2018 totaling to US\$... billion by 2018. The market is expected to total to US\$... billion by 2023 in comparison to US\$... billion by 2019 exhibiting a CAGR of ...% over the years spanning 2019-2023.

Global BIM Market: Segment (Type of Solution) Analysis

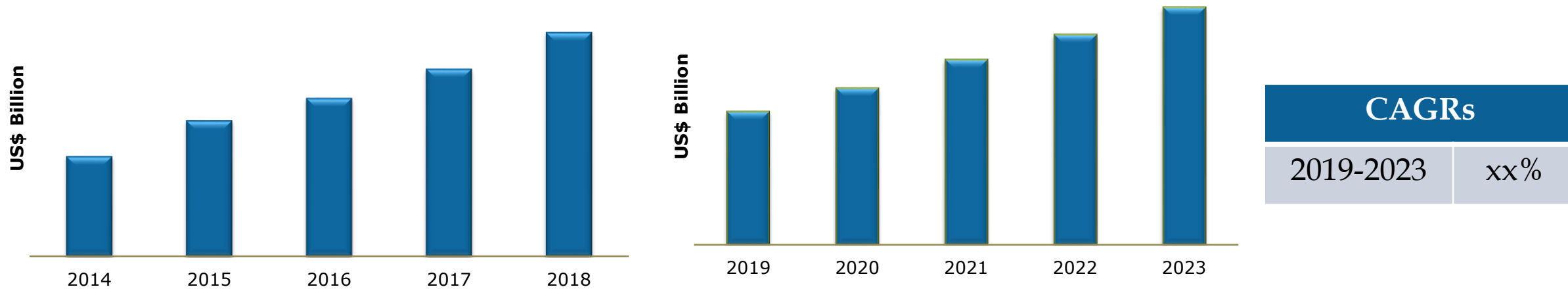
Global BIM Market by Type of Solution; 2018



Type of Solution	Share
BIM Software	xx%
Training Support Services	xx%
Project Management/ Collaboration	xx%

Global BIM Market: Segment (Type of Solution) Analysis

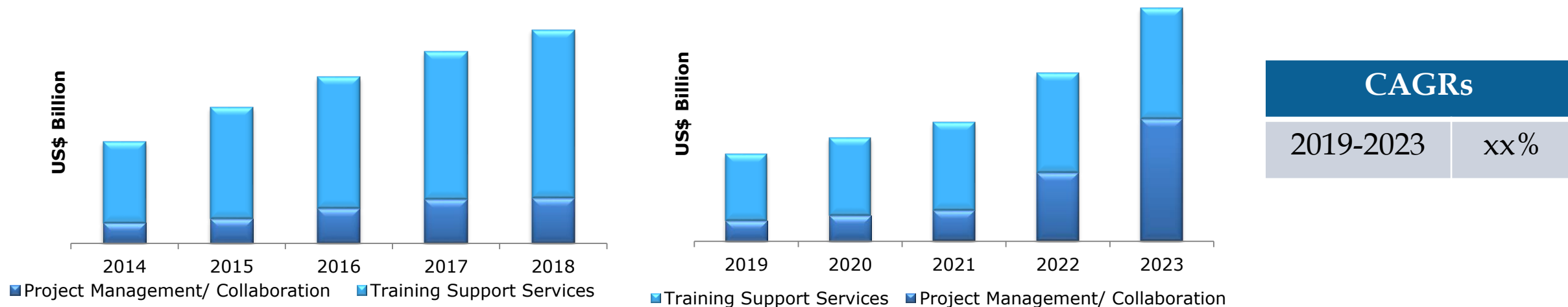
Global BIM Software Market by Value



Global BIM software market demonstrated a CAGR of ...% during the period 2014-2018 amounting to US\$... billion in 2018. The market is estimated to escalate to US\$... billion by 2023 from US\$... billion in 2019 growing at a CAGR of ...% during the forecast period 2019-2023.

Global BIM Market: Segment (Type of Solution) Analysis

Global BIM Project Management and BIM Training Segment by Value

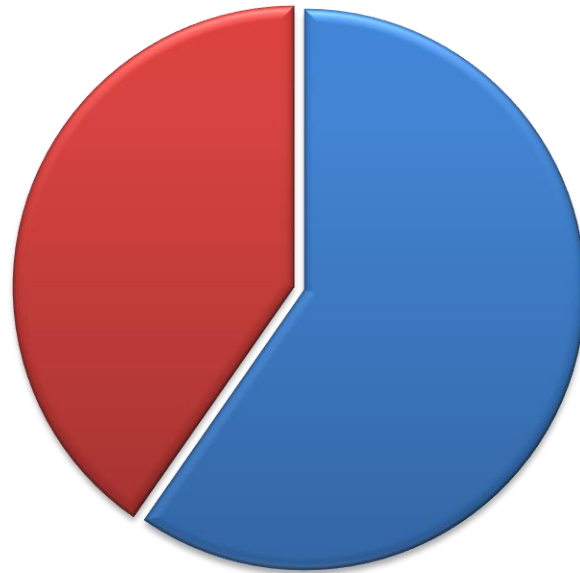


The global BIM market by project management is estimated to reach US\$...billion by 2023 in comparison to US\$... billion in 2019. The market is expected to grow at a CAGR of ...% over the years 2019-2023

BIM training support services include licensing, training, team development and live project supports. The revenue generated by the BIM market through these type of training support services surged from US\$... billion in 2014 to US\$... billion in 2018. The market is further projected to inflate to US\$1...billion by 2023.

Global BIM Market: Segment (Type of Deployment) Analysis

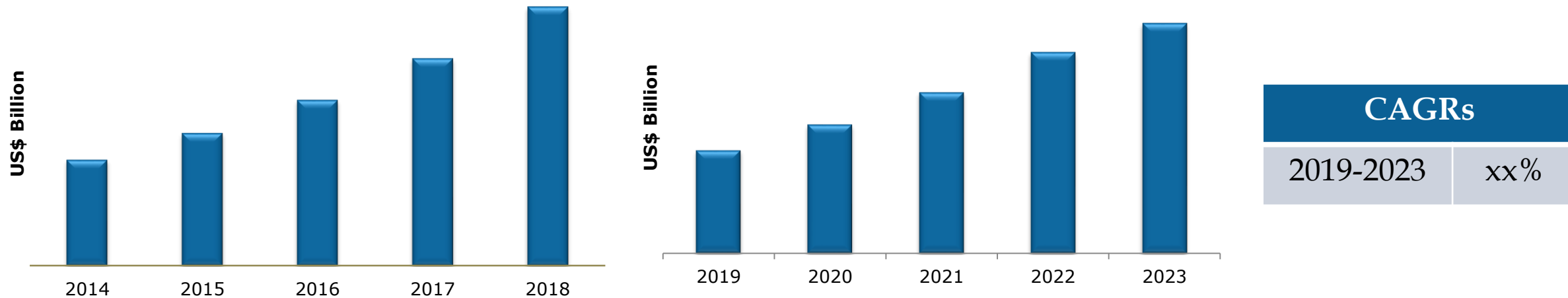
Global BIM Market by Type of Deployment; 2018



Type of Deployment	Share
Cloud Based	xx%
On Premise	xx%

Global BIM Market: Segment (Type of Deployment) Analysis

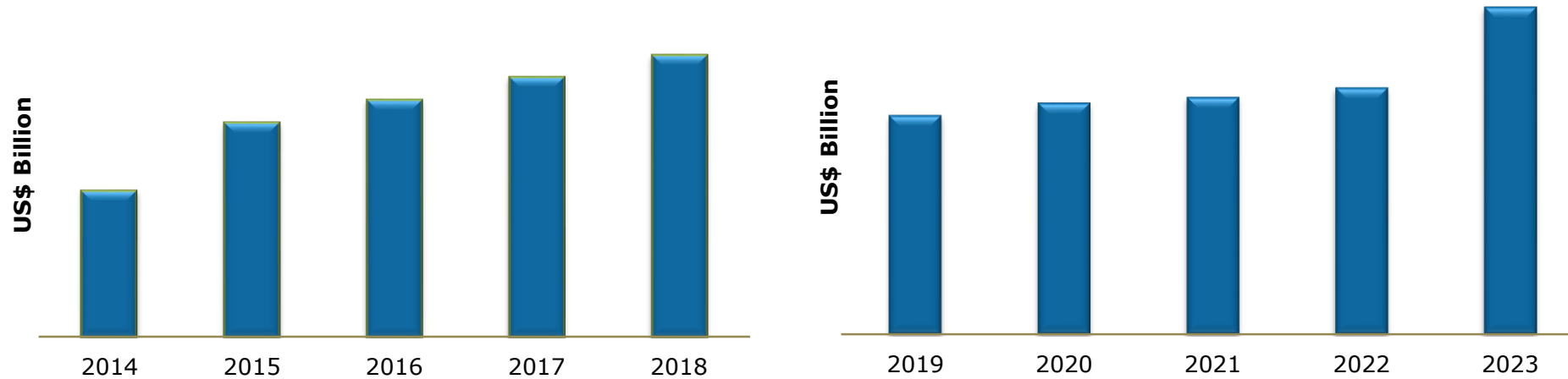
Global Cloud Based BIM Market by Value



Global cloud based BIM market generated revenues totaling to US\$... billion in 2018. In the years 2019-2023, the market is forecasted to incline at a CAGR of ...% mounting to US\$... billion by 2023.

Global BIM Market: Segment (Type of Solution) Analysis

Global On Premise Market by Value



CAGRs

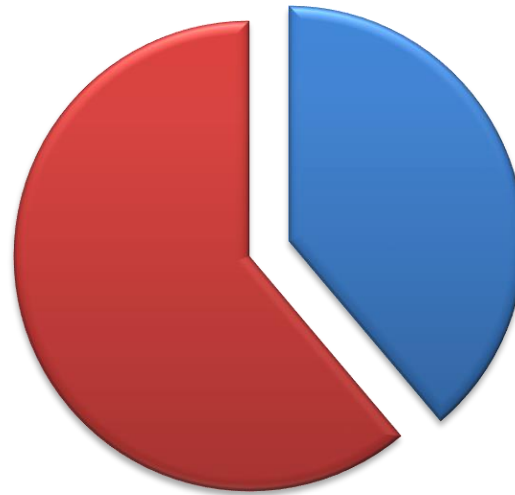
2019-2023

xx%

The on-premise BIM market stood at a value of US\$... billion in 2018. The market is projected to swell to US\$... billion by 2023 in contrast to US\$... billion in 2019 exhibiting a CAGR of ...% during the years 2019-2023.

Global BIM Market: Segment (Vertical) Analysis

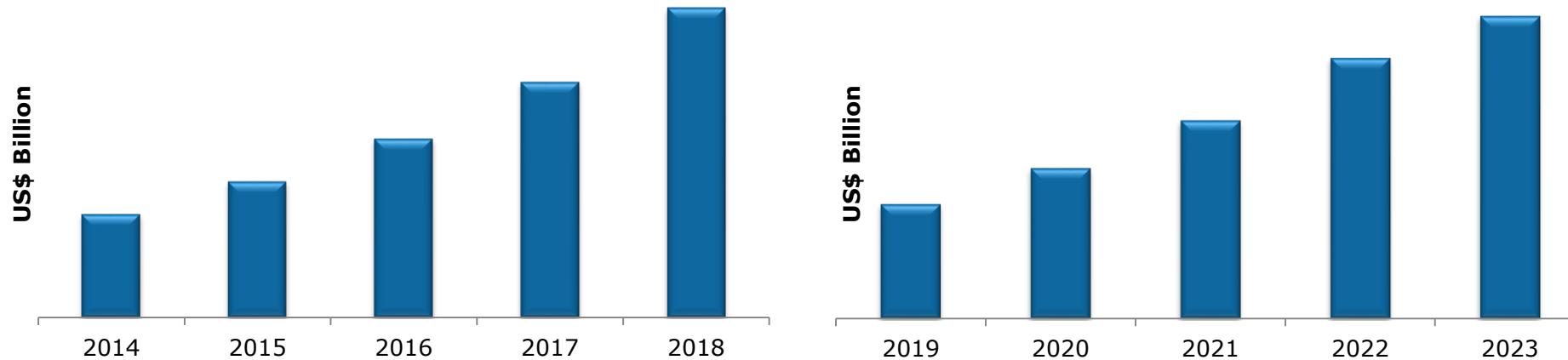
Global BIM Market by Vertical; 2018



Vertical	Share
Commercial and Infrastructure Construction	xx%
Others	xx%

Global BIM Market: Segment (Vertical) Analysis

Global Commercial and Infrastructure Construction BIM Market by Value by Value



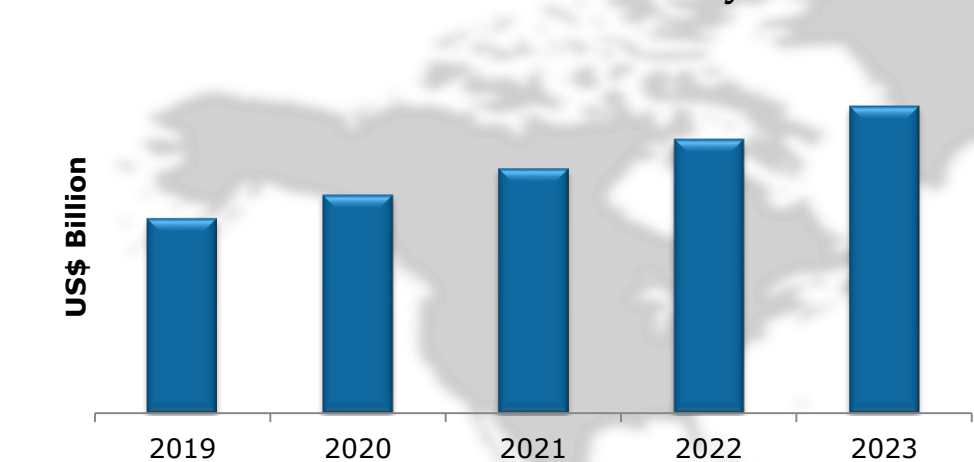
CAGRs

2019-2023	xx%
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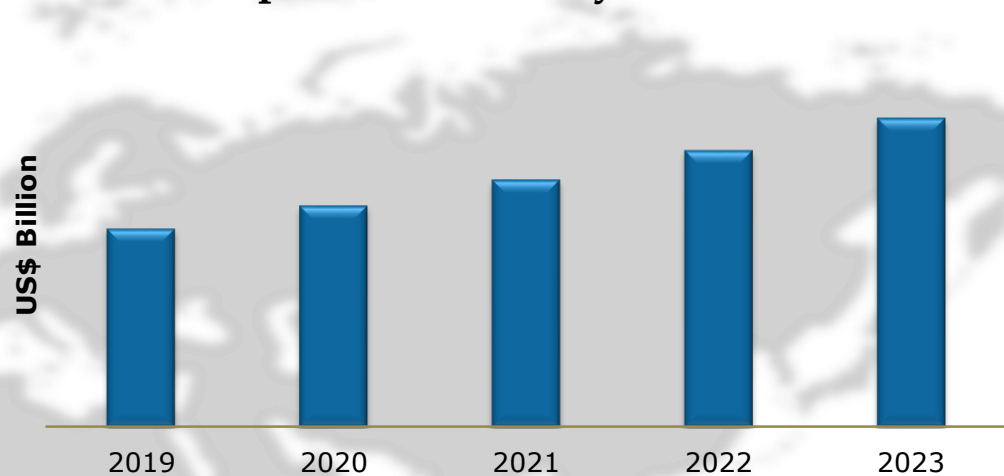
Commercial and infrastructure construction verticals contributed to the BIM market through a revenue of US\$... billion in 2018. The use of BIM by this vertical is estimated to escalate further in the years to come and produce revenues amounting to US\$... billion by 2023 in comparison to US\$... billion in 2019 showing a impressive CAGR growth of% during the time period 2019-2023.

Global BIM Market: Regional Analysis

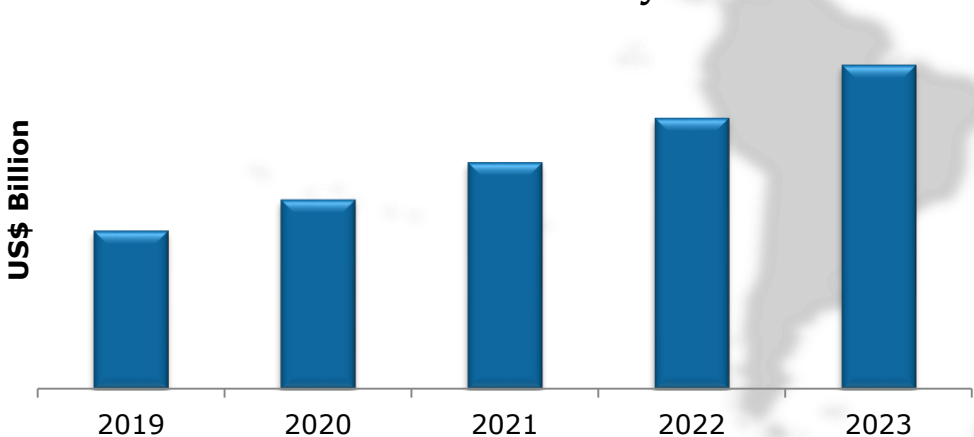
Americas BIM market by Value



Europe BIM Market by Volume



Asia Pacific BIM Market by Value



CAGRs (2019-2023)	
Americas	xx%
Europe	xx%
Asia Pacific	xx%

Global BIM Market : Competitive Landscape

Players Profiled

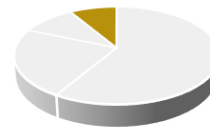
- Nemetschek



- Autodesk Inc.



- Bentley Systems Incorporation



- Trimble Navigation Limited



Note: The graphs on this slide are only for sample representation.