

Reality Modelling Software Industry Analysis Report 2025: Key Trends, Drivers, and Forecast Insights

The Business Research Company's Reality Modelling Software Industry Analysis Report 2025: Key Trends, Drivers, and Forecast Insights

LONDON, GREATER LONDON, UNITED KINGDOM, December 2, 2025

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Reality Modelling Software Market Growth Forecast: What To Expect By 2025?

The market size of reality modeling software has seen a fast-paced expansion in recent years.



Expected to grow to \$4.39 billion in 2029 at a compound annual growth rate (CAGR) of 17.5%"

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According to the forecast, it is expected to increase from \$1.72 billion in 2024 to \$1.97 billion in 2025. This implies a compound annual growth rate (CAGR) of 14.6%. Such a considerable increase during the historic period can be linked to factors such as: the rise in the use of 3D scanning and photogrammetry technologies, the surge in the use of mobile and handheld scanning devices, the growing dependence on real-time data integration and analytics in modeling processes, an escalated emphasis on

sustainability and resource optimization using digital workflows, and an increase in partnerships between software developers and survey firms.

It is anticipated that the market size for reality modeling software will undergo a swift expansion in the approaching years. The market is projected to reach a valuation of \$3.36 billion in 2029, with a compound annual growth rate (CAGR) of 14.3%. The escalation during the forecast period is linked to a surge in utilization of digital twin technology, heightened demand for 3D visualization and modeling devices, increased fusion of AI and machine learning for automate modeling, amplified usage of drones and lidar for reality capture, and the upsurge in application of cloud-based reality modeling remedies. Key trends during the forecast timeline consist of

improvements in AI-driven automation, advanced amalgamation of cloud and digital twin platforms, innovations in real-time 3D visualization and simulation, integration of reality capture innovations with BIM and GIS systems, and advancements in lidar and photogrammetry processing.

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What Are Key Factors Driving The Demand In The Global Reality Modelling Software Market?

The rise in the implementation of smart city solutions is projected to fuel the growth of reality modeling software in the future. Smart city solutions involve the incorporation of state-of-the-art technology to augment urban facilities, administration, and public services particularly in terms of efficiency, sustainability, and improved quality of life through effective resource management and instantaneous decision-making. The escalating demand for effective urban management triggered by swift urbanization necessitates the use of advanced infrastructure and resource optimization to improve habitation conditions and ensure sustainability. It is here where reality modeling software, with its ability to create precise 3D digital manifestations of urban spaces, proves indispensable for superior planning, management of infrastructure, and data-informed decision-making to promote sustainable and efficient city growth. For instance, as per a report published by the Organization for Economic Co-operation and Development, a US-based organization, in October 2023, the figures rose from \$300 billion in 2021 to over \$650 billion by 2026. Specifically in the United States, cities are expected to pour in \$41 trillion in the coming 2 decades for the enhancement and utilization of digital technologies. Consequently, the surge in the implementation of smart city solutions is stimulating the expansion of reality modeling software.

Who Are The Leading Players In The Reality Modelling Software Market?

Major players in the Reality Modelling Software Global Market Report 2025 include:

- Bentley Systems Incorporated
- Autodesk Inc
- Trimble Inc
- Pix4D SA
- Environmental Systems Research Institute Inc.
- Hexagon AB
- Dassault Systèmes SE
- Siemens Aktiengesellschaft
- Adobe Inc
- Agisoft LLC

What Are The Major Trends That Will Shape The Reality Modelling Software Market In The Future?

Leading businesses within the reality modeling software sector are exploring tech innovations like the cloud-native platform HxDR (Hexagon Digital Reality) to improve data access,

collaboration, and automation during the processing and management of reality capture data. HxDR (Hexagon Digital Reality) is a scalable, cloud-supported platform, aiding users in storing, visualizing, and controlling digital reality data using sophisticated automation and AI-enabled processing. For example, in June 2023, Hexagon AB, a technology firm from Sweden, revealed the introduction of Reality Cloud Studio, a SaaS application driven by HxDR (Hexagon Digital Reality). This service was created to simplify reality capture data in the cloud, integrating advanced Hexagon technologies with high automation. It permits users to seamlessly upload, process, and distribute digital reality data, offering high-quality results via a straightforward, cloud-centric workflow.

Analysis Of Major Segments Driving The Reality Modelling Software Market Growth

The reality modelling software market covered in this report is segmented –

- 1) By Component: Software, Services
- 2) By Deployment: On-Premises, Cloud-Based
- 3) By Application: Building Information Modeling, 3D Mapping, Infrastructure Management, Urban Planning, Other Applications
- 4) By End-User: Architecture, Engineering And Construction, Transportation, Utilities, Mining, Other End-Users

Sub Segments:

- 1) By Software: Reality Capture, Photogrammetry, 3D Modeling, Visualization And Rendering, Mapping And Surveying, Data Processing And Analysis
- 2) By Services: Implementation And Integration, Consulting, Training And Support, Maintenance And Updates, Managed Services

View the full reality modelling software market report:

<https://www.thebusinessresearchcompany.com/report/real-time-collaboration-for-video-editing-global-market-report>

Which Region Is Expected To Lead The Reality Modelling Software Market By 2025?

In the Reality Modelling Software Global Market Report 2025, North America emerged as the topmost region in the given year. The region with anticipated rapid growth is Asia-Pacific. The report encompasses analysis of multiple regions inclusive of Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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