

# Global Digital Twin Market 2025 by Company, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Digital Twin market size was valued at US\$ 2701 million in 2024 and is forecast to a readjusted size of USD 5679 million by 2031 with a CAGR of 11.3% during review period.

Digital Twin is a near-real-time digital image about the historical and current behaviour of a physical object or process that helps optimize business performance.

Digital twins exist at the nexus of physical engineering, data science, and machine learning, and their value translates directly to measurable business outcomes—reduced asset downtime and maintenance costs, improved plant and factory efficiency, reduced cycle times, and increased market agility.

The term digital twin began around 2003 when Dr. Michael Grieves introduced the concept. Since its introduction, digital twin has evolved considerably from its rather engineering design-centric roots. But it began commercializing in 2014 when GE, PTC, Siemens and Dassault Systèmes brought it to light in the market.

Digital twin can be classified to system twin, process twin, asset twin in the market, and system twin, process twin is leading the market and growing faster at present.

Digital twin is first used for aerospace & defense, then it can be used for automotive & transportation, machine manufacturing, energy & utilities and other industry. Machine manufacturing took up about 40% of the global total market now. Energy & Utilities sector got a fast developing because of the technology innovation that related to smart grid.

This report is a detailed and comprehensive analysis for global Digital Twin market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Digital Twin market size and forecasts, in consumption value (\$ Million), 2020-2031

Global Digital Twin market size and forecasts by region and country, in consumption value (\$ Million), 2020-2031

Global Digital Twin market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2020-2031

Global Digital Twin market shares of main players, in revenue (\$ Million), 2020-2025

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Digital Twin

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Digital Twin market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include General Electric, PTC, Siemens, Dassault Syst?mes, IBM Corporation, ANSYS, Microsoft Corporation, Oracle Corporation, Accenture (Mackevision), SAP, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market segmentation

Digital Twin market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

System Twin

Process Twin

Asset Twin

### Market segment by Application

Aerospace and Defense

Automotive and Transportation

Machine Manufacturing

Energy and Utilities

Others

### Market segment by players, this report covers

General Electric

PTC

Siemens

Dassault Syst?mes

IBM Corporation

ANSYS

Microsoft Corporation

Oracle Corporation

Accenture (Mackevision)

SAP

AVEVA Group

Bentley Systems

ABB

ETAP

Emerson

Altair

Esri

Autodesk

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Digital Twin product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Digital Twin, with revenue, gross margin, and global market share of Digital Twin from 2020 to 2025.

Chapter 3, the Digital Twin competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2020 to 2025. and Digital Twin market forecast, by regions, by Type and by Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Digital Twin.

Chapter 13, to describe Digital Twin research findings and conclusion.

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