

Global Simulation and Test Data Management Size study, by Solution (Testing Systems, Test Data Simulation Software, Services) by Enterprise Size (Small & Medium Enterprise, Large Enterprise by end use industries (Automotive, Aerospace & Defence, Healthcare, Building & Construction, Energy & Utilities, Electronics & Hi Tech, Others) and Regional Forecasts 2021-2027

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Abstracts

Global Simulation and Test Data Management is valued approximately USD 0.43 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 15.21 % over the forecast period 2021-2027. Simulation generates significant amount of data, which needs to be maintained and retrieved efficiently in order to gain full benefit from simulation. Simulation data plays a key role in design decision making process. Simulation and Test Data Management system is designed to handle the volume and complexity of the simulation data for Finite Element Analysis (FEA), Computational Fluid Dynamics (CFD) and other computationally intensive methods. Growing big data & IoT Industry and rising technological advancements are driving Simulation and Test Data Management Market. According to United Nations (UN) organization. In 2020, 64.2 zettabytes of data were created, this is 314 percent increase from the year 2015. This exponential growth is largely owing to passively collected data from everyday interactions with digital products or services, which include mobile phones, credit cards, and social media. Also, with the increasing demand from end use industries, the adoption & demand for Simulation and Test data management solutions is likely to increase the market growth during the forecast period. However, high initial investment and lack of expertise the growth of the market over the forecast period of 2021-2027.

The key regions considered for the global Simulation and Test Data Management study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to presence of leading simulation and test data management solutions and service providers in the region. Also, North America is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2021-2027. Factors such as increase in R&D in the automotive and aerospace and defense sector in the region would create lucrative growth prospects for the Simulation and Test Data Management across North America region.

Major market player included in this report are:

Siemens AG,
ANSYS, Inc.,
Dassault Systèmes SE, H
BK – Hottinger,
Brüel & Kjaer,
Hexagon AB,
Instron,
Zwick Roell Group,
Dewesoft,
ESI Group

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Solution:

Testing Systems,
Test Data Simulation Software,
Services

By Enterprise Size:

Small & Medium Enterprise
Large Enterprise

By End Use Industries:

Automotive,
Aerospace & Defence,
Healthcare,
Building & Construction,
Energy & Utilities,
Electronics & Hi Tech,
Others

By Region:

North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific

China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027

Target Audience of the Global Simulation and Test Data Management in Market Study:

Global Simulation and Test Data Management Size study, by Solution (Testing Systems, Test Data Simulation Soft...

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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