

Global Construction 4.0 Market Size study, by Solution (Hardware, Software, Services), by Technology (IoT, Artificial Intelligence, Industrial Robots, Others), by Application (Asset Monitoring, Predictive Maintenance, Fleet Management, Wearables, Others), by End-User (Residential, Non-residential) and Regional Forecasts 2020-2027

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Abstracts

Global Construction 4.0 Market is valued at approximately USD 9.8 billion in 2019 and is anticipated to grow with a healthy growth rate of more than 18.3% over the forecast period 2020-2027. The constructors present in the world are aiming to bring some advanced and innovative technologies in their construction operations to improve efficiency and productivity, due to which the market is gaining massive traction over the recent years. Using a variety of automated technologies, such as IoT, artificial intelligence, machine control, which automatically modifies heavy construction equipment and machineries to perfectly grade, drill or pile large areas. The advanced technologies are mainly used in the construction sector to streamline processes, increase workers safety, and reduce waste, which leads to save time and money. Therefore, the demand for Construction 4.0 is significantly rising all over the world. Furthermore, the growing construction industry due to rapid urbanization in developing countries, along with the increasing productivity and safety with the advent of IoT on the construction site are the few factors responsible for the high CAGR of the market during the forecast period. According to the survey of the International Construction Market, in 2017, the construction industry across the globe was estimated nearly 3.5% and grew to almost 3.9% in 2018. Similarly, as per the European Construction Industry Federation (FIEC) 2017, it is valued that construction activity in overall Europe rose by almost 2.2% in 2016 (that reached nearly USD 1,418 billion), as compared to figure of 2015, which

holds almost USD 1385 billion. This, in turn, is expected to leverage high growth prospect for the overall market. However, the high initial cost of deploying advanced technology in construction equipment impedes the growth of the market over the forecast period of 2020-2027.

The regional analysis of the global Construction 4.0 market is considered for the key regions such as 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 the rising investment in infrastructure and construction projects, along with the presence of a large number of market players in the region. Whereas, Asia-Pacific is anticipated to exhibit the highest growth rate / CAGR over the forecast period 2020-2027. Factors such as rising construction projects in the countries and increasing digitalization would create lucrative growth prospects for the construction 4.0 market across Asia-Pacific region.

Major market player included in this report are:

ABB Ltd.
Advanced Opto-Mechanical Systems and Technologies Inc.
Autodesk, Inc.
CalAmp
Hexagon AB
Hilti Corp.
Mitsubishi Electric Corp.
Oracle Corporation
Topcon Corp.
Trimble Inc.

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:

Hardware

Software
Services

By Technology:

IoT
Artificial Intelligence
Industrial Robots
Others

By Application:

Asset Monitoring
Predictive Maintenance
Fleet Management
Wearables
Others

By End-User:

Residential
Non-residential

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 – 2017, 2018
Base year – 2019
Forecast period – 2020 to 2027

Target Audience of the Global Construction 4.0 Market in Market Study:

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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