

Global Cyber-Physical System Market Size study, By Component (Cyber-Physical System Hardware, Cyber-Physical System Software, Cyber-Physical System Services), By End Use Industry (Aerospace and Defense, Automotive, Energy and Utility, Healthcare, Manufacturing, Consumer Electronics, Others), and Regional Forecasts 2022-2028

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Abstracts

Global Cyber-Physical System Market is valued approximately USD XX million in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028. The Cyber-Physical System refers to integrations of computation, networking, and physical processes. Embedded computers and networks monitor and control the physical processes, with feedback loops. CPS includes various automated systems such as industrial control systems, water systems, robotics systems, and smart grid, among others. The growing process automation across different industries and increasing adoption of advanced technologies as well as recent strategic initiatives from leading market players are factors that are accelerating the global market demand. For instance, according to International Federation of Robotics' World Robotics Report 2020 – as of 2020, around 2.7 million industrial robots installed in factories around the world, witnessing an increase of 12% from the year 2018. Further, in 2019 around 373,000 units of industrial robots shipped globally. Furthermore, as per Statista – in 2020, Worldwide industrial robot shipment estimated at 384,000 Units. It is projected that industrial robot shipments would reach to 518,000 by 2024. Furthermore, leading market players are taking strategic initiatives such as acquisitions, capital infusion to extend their geographical footprint. For instance, In September 2021, New York based industrial cybersecurity company Claroty received USD 400 million in Series E funding from new investor SoftBank Vision Fund 2, and

from existing investors Bessemer Venture Partners, Schneider Electric, Rockwell Automation, and Standard Investments. The company would utilize this funding to offers its security solutions for Cyber-Physical Systems across different industries such as healthcare, and manufacturing among others. Also, other existing investor participated in the funding were ISTARI and Team8, participated as well. Moreover, in January 2022, Claroty, completed the acquisition of New York based Medigate, a leader in healthcare IoT security solutions. This acquisition intended to increase the market reach of the company. Also, growing integration of artificial intelligence in various industries as well as rising investment towards research and development in advanced technologies are anticipated to act as a catalyzing factor for the market demand during the forecast period. However, high cost associated with research and development activities impede the growth of the market over the forecast period of 2022-2028.

The key regions considered for the global Cyber-Physical System Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the growing automation across various industries and presence of leading market players in the region. Whereas, Asia Pacific is anticipated to exhibit a significant growth rate over the forecast period 2022-2028. Factors such as the thriving growth of automotive sector and increasing investment towards research and development in Cyber-Physical systems in the region, would create lucrative growth prospects for the global Cyber-Physical System Market across the Asia Pacific region.

Major market players included in this report are:

IBM Corporation

Microsoft Corporation

Dell EMC

VMware Inc.

Hewlett Packard Enterprise

Schneider Electric

SAP SE

Honeywell International Inc.

Hitachi Vantara

Oracle

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 Component:

Cyber-Physical System Hardware

Cyber-Physical System Software

Cyber-Physical System Services

By End Use Industry:

Aerospace and Defense

Automotive

Energy and Utility

Healthcare

Manufacturing

Consumer Electronics

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, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Cyber-Physical System 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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