

Global Cloud Robotics Market 2020-2030 by Component (Hardware, Software, Services), Robot Type (Stationary, Wheeled, Legged), Implementation Module (Peer, Proxy, Clone), Connectivity Technology (Cellular, BLE, WiFi/WiMAX, RF, Infrared), Deployment Mode (Public, Private, Hybrid), Business Model (PaaS, IaaS, SaaS), Application (Industrial, Commercial, Personal, Government), and Region: Trend Forecast and Growth Opportunity

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Abstracts

Global cloud robotics market will reach \$40.29 billion by 2030, growing by 26.5% annually over 2020-2030 considering the impact of COVID-19 pandemic. The market is driven by proliferation of the cloud technology, broad spectrum use of wireless technologies, the cost-effectiveness and enhanced process efficiency of cloud robotics, and the increase in the adoption of Internet of Things (IoT) and Artificial Intelligence (AI).

Highlighted with 94 tables and 155 figures, this 244-page report “Global Cloud Robotics Market 2020-2030 by Component (Hardware, Software, Services), Robot Type (Stationary, Wheeled, Legged), Implementation Module (Peer, Proxy, Clone), Connectivity Technology (Cellular, BLE, WiFi/WiMAX, RF, Infrared), Deployment Mode (Public, Private, Hybrid), Business Model (PaaS, IaaS, SaaS), Application (Industrial, Commercial, Personal, Government), and Region: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire global cloud robotics market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary

information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2017-2019 and provides estimate for 2020 and forecast from 2021 till 2030 with 2019 as the base year (Year 2020 is not appropriate for research base due to the outbreak of COVID-19).

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of global market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19. The balanced (most likely) projection is used to quantify global cloud robotics market in every aspect of the classification from perspectives of Component, Robot Type, Implementation Module, Connectivity Technology, Deployment Mode, Business Model, Application, and Region.

Based on Component, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2019-2030 included in each section.

Hardware

Robot Devices

Robot Components

Software

Robotics Application Software

Software for Integrated Virtual Robots

Software for Cloud Data Storage and Analytics

Services

Deployment and Integration

Connectivity Management

Strategic Consulting

Training and Support

Based on Robot Type, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2019-2030 included in each section.

Stationary Robots

Cartesian/Gantry Robots

Cylindrical Robots

Spherical Robots

SCARA Robots

Articulated Robots

Parallel Robots

Other Stationary Robots

Wheeled Robots

Single Wheel Robots

Two Wheeled Robots

Three Wheeled Robots

Four Wheeled Robots

Six Wheeled Robots

Tracked Robots

Legged Robots

One Leg Robots

Bipedal/Humanoid Robots

Tripedal Robots

Quadrupedal Robots

Hexapod Robots

Many Legs Robots

Flying Robots

Swimming Robots

Robotic Balls

Swarm Robots

Modular Robots

Micro Robots

Nano Robots

Soft/Elastic Robots

Snake Robots

Crawler Robots

Hybrid Robots

Other Robot Types

Based on Implementation Module, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2019-2030 included in each section.

Peer-based Cloud Robotics

Proxy-based Cloud Robotics

Clone-based Cloud Robotics

Based on Connectivity Technology, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2019-2030 included in each section.

Cellular

3G

4G

5G

Bluetooth Low Energy (BLE)

WiFi/WiMAX

Radio Frequency (RF)

Infrared

Based on Deployment Mode, the global market is segmented into the following sub-

markets with annual revenue (\$ mn) for 2019-2030 included in each section.

Public Cloud

Private Cloud

Hybrid Cloud

Based on Business Model, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2019-2030 included in each section.

Platform as a Service (PaaS)

Infrastructure as a Service (IaaS)

Software as a Service (SaaS)

Based on Application, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2019-2030 included in each section.

Industrial Use

Manufacturing

Automotive

Transportation & Logistics

Other Industrial Sectors

Commercial & Professional Use

Healthcare and Medical

Agriculture

Retail and Consumer Service

Travel and Tourism

Home and Construction

Banking, Financial Services, and Insurance

Other Commercial Sectors

Personal & Consumer Use

Entertainment

Education

Personal Healthcare

Home Appliances

Cleaning

Other Personal Sectors

Government and Military Use

National Defense

Homeland Security

Space Management

Geographically, the following regions together with the listed national/local markets are fully investigated:

North America (U.S., Canada, and Mexico)

Europe (Germany, UK, France, Spain, Italy, Russia, Rest of Europe; Rest of Europe is further segmented into Netherlands, Switzerland, Poland, Sweden,

Belgium, Austria, Ireland, Norway, Denmark, and Finland)

APAC (Japan, China, South Korea, Australia, India, and Rest of APAC; Rest of APAC is further segmented into Malaysia, Singapore, Indonesia, Thailand, New Zealand, Vietnam, Taiwan, and Philippines)

South America (Brazil, Chile, Argentina, Rest of South America)

MEA (UAE, Saudi Arabia, South Africa)

For each aforementioned region and country, detailed analysis and data for annual revenue (\$ mn) are available for 2019-2030. The breakdown of all regional markets by country and split of key national markets by Component, Business Model, and Application over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Key Players (this may not be a complete list and extra companies can be added upon request):

ABB Group

CloudMinds

FANUC Corporation

Google Inc.

HotBlack Robotics Srl

IBM Corporation

iRobot Corp.

KUKA AG

Matrix Industrial Automation

Microsoft Corporation

Ortelio Ltd

Rapyuta Robotics Co., Ltd.

Rockwell Automation Inc.

SoftBank Robotics Holding Corp.

Tend.ai

Yaskawa Electric Corporation

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

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 - Microsoft Corporation
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