

# **North America 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 Country: Trend Forecast and Growth Opportunity**

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## **Abstracts**

North America cloud robotics market is expected to grow by 24.8% annually in the forecast period and reach \$12.53 billion by 2030 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 35 tables and 119 figures, this 184-page report “North America 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 Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America 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 North America 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 North America 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 Country.

Based on Component, the North America 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 North America 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 North America 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 North America 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 North America 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 North America 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 North America 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 national/local markets are fully investigated:

U.S.

Canada

## Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2019-2030. The breakdown 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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Google Inc.  
HotBlack Robotics Srl  
IBM Corporation  
iRobot Corp.  
KUKA AG  
Matrix Industrial Automation  
Microsoft Corporation  
Ortelio Ltd  
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