

Cloud Robotics Market - Forecasts from 2017 to 2022

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Abstracts

Cloud robotics market is expected to grow at a CAGR of 29.56% over the forecast period to reach a total market size of US\$5.538 billion by 2022 from US\$1.517 billion in 2017. Cloud robotics is a field of robotics that reaps benefits of shared services and converged infrastructure and use cloud technologies such as cloud storage, cloud computing and other internet technologies. These employ remote computing resources in order to have high computational power, better memory and interconnectivity for robotics applications. The growth of the cloud robotics market can be primarily attributed to technological enhancements in artificial intelligence as well as in computer chip technology. Strengthening of cloud and communication infrastructure and software framework, escalation of cloud computing technologies, augmented adoption of big data analytics platforms and enhanced utilisation of wireless technologies and smart-devices too, impact the market growth considerably. However, huge finances required for investing in the market to set up the facility and huge R&D investment in robotics technology can hinder the market growth over forecasted years. Geographically, Europe is expected to drive the market in coming years owing to a greater utilisation of cloud technologies. Asia Pacific will be driven by this market on account of increasing number of internet users as well as expansion in business opportunities due to the high population of region.

This research study examines the Cloud robotics market on the basis of various segments – by connectivity technology, by types, by deployment model, and by geography. Major drivers, restraints, and opportunities have been mentioned to provide an exhaustive picture of the market. Furthermore, the current market trends related to the demand, supply, and sales, in addition to the recent developments, have been provided in this report. The report also analyzes key players in the Cloud robotics market. The report provides comprehensive forecast up to the period 2022 for various key segments, with 2016 as base year.

The analysis presents in-depth information regarding the development, trends, and industry policies and regulations implemented in each of the geographical segments. Moreover, the research study analyzes the overall regulatory framework of Cloud robotics market, offering stakeholders a better understanding of the key factors affecting the overall market environment.

The first step towards determining the Cloud robotics market size involves identifying key players and the revenue contribution of the overall business or relevant segment aligned to the study in consideration through extensive secondary research. This also includes various studies and data published by industry associations, analyst reports, investor presentations, press releases and journals among others. Both bottom-up and top down approaches are utilized to determine the market size of the overall market and key segments. The values obtained are correlated with the primary inputs of the key stakeholders in the Cloud robotics value chain, such as C-Level Executives, Directors, and Managers among others across key enterprises operating as manufacturers, suppliers, and distributors. The last phase is providing intelligence in the form of presentation, charts, graphics and other different formats helping the clients in faster and efficient understanding of the market. Under this phase complete market engineering is involved which includes analyzing the gathered data from different sources and existing proprietary datasets while using various data triangulation methods for market breakdown and forecasting.

Segments covered under the Cloud robotics market report are as below:

Connectivity Technology

Wi-Fi/WiMAX

Bluetooth Low Energy (BLE)

5G

4G

3G

Types

Personal Robots

Commercial Robots

Industrial Robots

Military Robots

Deployment Model

Robotics as a Service (RaaS)

Hybrid Cloud

Private Cloud

Public Cloud

Geography

Americas

North America

South America

Europe Middle East and Africa

Europe

Middle East and Africa

Asia Pacific

Key industry players profiled as part of this section are Tend.ai, Ortelio Ltd, Rapyuta Robotics Co. Ltd, Rockwell Automation, Inc, ABB Group among several others.

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