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Global Agriculture IoT Market 2020-2030 by Offering (Hardware, Software, Services), System, Application (Precision Agriculture, Indoor Farming, Livestock, Aquaculture), and Region

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Abstracts

Internet of Things (IoT) has been transforming modern agriculture industry. Global agriculture IoT market will reach $63.68 billion by 2030, growing by 14.1% annually over 2020-2030 owing to emerging technological advancements and increasing number of government initiatives for IoT applications in agriculture.

Highlighted with 92 tables and 72 figures, this 163-page report “Global Agriculture IoT Market 2020-2030 by Offering (Hardware, Software, Services), System, Application (Precision Agriculture, Indoor Farming, Livestock, Aquaculture), and Region” is based on a holistic research of the entire global agriculture IoT 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 2016-2019 and provides forecast from 2020 till 2030 with 2019 as the base year. (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.)

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

Market Structure

Growth Drivers

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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 agriculture IoT market in every aspect of the classification from perspectives of Offering, System, Application, and Region.

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

Agriculture IoT Hardware

Automation and Control Systems

Sensing and Monitoring Devices

Navigation and Guidance Systems

Agriculture IoT Software

Cloud Based Product

On Premises Product

Agriculture IoT Services

Professional Services

Managed Services

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

Tracking & Positioning Systems

- GNSS/GPS Devices
- RFID

Monitoring & Detection Systems

- Wireless Sensor Network
- UAVs/Drones
- Auto-steering & Autonomous Vehicles

Communication Systems

- Network Communication Technologies
- Standards & Protocols

Cloud Computing

Data Management Systems

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

Precision Agriculture IoT

- Crop Health Scouting
- Yield Monitoring

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- Water, Pest & Fertilizer Management
- Climate, Weather & Soil Monitoring
- Farm Mapping
- Other Applications

Indoor Farming IoT

- Plant and Yield Monitoring
- Lighting Management
- Water, Pest & Fertilizer Management
- Ambient Environmental Monitoring
- Other Applications

Livestock Farming IoT

- Animal Health Monitoring
- Milk Harvesting
- Feeding Management
- Breeding Management
- Geofencing & Mapping
- Other Applications

Fisheries and Aquaculture IoT

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Animal Behavior & Health Monitoring

Feed Monitoring

Aquatic Species Tracking and Navigation

Geofencing & Mapping

Other Applications

Precision Forestry IoT

Other Applications

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

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, and Sri Lanka)

Europe (Germany, UK, France, Spain, Italy, Russia, Rest of Europe; Rest of Europe is further segmented into Belgium, Denmark, Austria, Norway, Sweden, The Netherlands, Poland, Czech Republic, Slovakia, Hungary, and Romania)

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

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

MEA (Saudi Arabia, UAE, South Africa)

For each region and key 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 Offering, System, and Application over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and

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profiles key vendors including market leaders and important emerging players.

Specifically, potential risks associated with investing in global agriculture IoT market are assayed quantitatively and qualitatively through GMD's Risk Assessment System. According to the risk analysis and evaluation, Critical Success Factors (CSFs) are generated as a guidance to help investors & stockholders identify emerging opportunities, manage and minimize the risks, develop appropriate business models, and make wise strategies and decisions.

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

Ag Leader Technology

AKVA Group ASA

Antelliq

Deepfield Robotics (Bosch)

Deere & Company

Delaval

Eruvaka Technologies

Farmers Edge

GEA Group

Komatsu Forest

Ponsse

PrecisionHawk Inc.

Raven Industries

Smartcultiva Corporation

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Topcon Corporation

Trimble Inc.

(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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