

IoT in Agriculture: Market Outlook and Forecasts 2017 - 2022

<https://marketpublishers.com/r/IADA018523DEN.html>

Date: April 2017

Pages: 124

Price: US\$ 1,995.00 (Single User License)

ID: IADA018523DEN

Abstracts

The general term, AgriTech, represents the use of technology in agriculture, horticulture, and aquaculture for purposes of improving yield, efficiency, and profitability. The Internet of Things (IoT) in Agriculture (IoTAg) represents a more specific use of technology wherein agricultural planning and operations becomes connected in ways previously impossible if it were not for advances in sensors, communications, data analytics and other areas.

Connected agriculture is also realized through the increasing use of emerging observation and automation technologies such as the use of Unmanned Aerial Vehicles (UAV) for detecting differences in heat signatures and use of robotics for planting, spraying, and harvesting. As various IoT technologies mature beyond the R&D phase and go into general production, costs for everything from drones/UAVs to sensors will continually decrease, making connected agriculture more accessible to smaller farms and third world countries.

This research assesses the technologies, companies, and solutions for IoT in agriculture. The report evaluates the overall marketplace and provides forecasts for sensors (and other devices), services, solutions, and data analytics globally, and regionally for the period 2017 to 2022. Forecasts include precision agriculture, indoor farming, livestock, and fisheries.

Forecasts cover IoT in Agriculture solutions globally and regionally including: Intelligent Farm Equipment, Smart Sensor Systems, Intelligent Drones, Smart Farm Robots, and Software. Within the Smart Sensor area, the report forecasts the following: Sensors for Detecting Physical Properties, Sensors for Chemical Analysis and Applications, Sensors for General Monitoring, Sensors for Quality, Sensors for Autonomous

Agriculture, and Others. All purchases of Mind Commerce reports includes time with an expert analyst who will help you link key findings in the report to the business issues you're addressing. This needs to be used within three months of purchasing the report.

Report Benefits:

Detailed IoTAg forecasts 2017 – 2022

Identify important IoTAg companies and solutions

Understand IoTAg market challenges and opportunities

Identify opportunities to leverage IoTAg data and analytics

Understand the future of agriculture automation and operations

Select Report Findings:

Farm management solutions will represent an attractive business opportunity through the study period

The agriculture business will be controlled by companies that are not conventional experts of agriculture, such as farmers and traditional farm value chain, including farm equipment makers, seed suppliers, producers and suppliers of plant foods and chemicals

The shift in managing agricultural operations and farms will bring various benefits to farming, including enhanced crop quality and quantity, improved use of resources and farm equipment, real-time monitoring of farms, animals and machines, automated irrigation systems, fertilizer spraying and pest control

Mind Commerce sees a shift from conventional agriculture to Farm Management Systems through 2022. With this shift, software developers and predictive data analytics companies will take over control of end-to-end agricultural operations

Target Audience:

Sensor providers

AgriTech companies

IoT service providers

IoT network providers

Semiconductor companies

Embedded systems companies

Companies in Report:

Accenture

Agribiotix

Cattle Watch

Climate Corporation

Decagon

Deepfield Robotics (Bosch)

DroneDeploy

FarmersEdge

IBM

Euravka

FieldSync

FluxFarm Inc.

John Deere

Kaa

Libelium

MTN

Nwave

OnFarm

SlantRange

Telit

ThingWorx

TopCon

Qualcomm Flight Platform

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Semtech

Trackit

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