

Asia Pacific IoT in Agriculture Market Size study, by System (Automation and control systems, Sensing and Monitoring Devices, Livestock Monitoring Hardware, Fish Farming Hardware, Smart Greenhouse Hardware, Software) by Farm Type (Large, Mid Size, Small Farms), by Application (Precision Farming, Livestock Monitoring, Smart Greenhouse, Fish Farm Monitoring) and Country Forecasts 2022-2032

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Abstracts

Asia Pacific IoT in Agriculture Market is valued approximately USD 11.37 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 13.58% over the forecast period 2024-2032. The IoT in Agriculture includes connected devices such as sensors, actuators, and other IoT components to collect, monitor, and analyze data related to various aspects of farming and agricultural operations. Farmers in the Asia Pacific region are increasingly embracing smart farming practices to enhance crop yield and quality. IoT devices such as sensors, drones, and automated machinery enable farmers to monitor soil conditions, crop health, and weather patterns in real time, allowing for precise and timely interventions. Thus, the Asia Pacific IOT in Agriculture Market is anticipated for significant growth as farmers increasingly recognize the value of data-driven decision-making and technological innovation trends in modernizing their operations.

Government initiatives and support play a crucial role in driving demand for the Asia Pacific IoT in Agriculture Market. Several governments in the region are actively promoting the adoption of IoT technologies in agriculture through a variety of policies, missions, incentives, and funding programs across the region. For instance, in

December 2022, the Department of Science & Technology (DST) announced that it had implemented a National Mission on Interdisciplinary Cyber Physical Systems (NM-ICPS). Under this Mission, it has planned 25 Technology Innovation Hubs (TIHs) in which 3 of these TIHs provide applications of Artificial Intelligence (AI) and Internet of Things (IoT) in Agriculture to develop an end-to-end solution for Agriculture Technology (Agri Tech) to predict crop production in the season and EAgriS, IoT-based platform, developed for this purpose. These initiatives are aimed at modernizing agricultural practices, improving food security, and enhancing rural livelihoods. However, limited internet connectivity and a lack of technical skills & awareness among farmers can stifle market growth between 2022 and 2032.

The key Countries considered for the Asia Pacific IoT in Agriculture market study includes China, India, Japan, South Korea, Australia and Rest of Asia Pacific. In 2023, China was the largest regional market. The Chinese government actively promoting the adoption of IoT technologies in agriculture as part of its broader strategy to modernize the agricultural sector. For instance, in August 2022, Chinese Academy of Agricultural Sciences (CAAS) introduced a campaign to increase technological and scientific modernizations in agricultural equipment and machinery. Also, there is rising internet penetration rate in both rural and urban areas, which further help in Chinese farmers with better data analysis in Agriculture. For instance, one of the villages in East China's Shandong Province Chailixi village's farmers switched to smart agriculture with only using smartphone, the farmers in the region can monitor air temperature and carbon dioxide levels in greenhouses in real-time, and remotely contact experts for guidance, it can enhance agricultural production proficiency and vitalizing the nation's rural development. The market in India, on the other hand, is expected to develop at the fastest rate over the forecast period 2024-2032.

Major market player included in this report are:

Hitachi, Ltd
eFishery, Inc
UMITRON
Jala Group Co Ltd
Company 5
Company 6
Company 7
Company 8
Company 9
Company 10

The detailed segments and sub-segment of the market are explained below:

By System

- Automation and control systems
- Sensing and monitoring devices
- Livestock monitoring Hardware
- Fish farming hardware
- Smart greenhouse hardware
- Software

By Farm Type

- Large
- Mid Size
- Small Farms

By Application

- Precision farming
- Livestock monitoring
- Smart greenhouse
- Fish farm monitoring

By Region:

- Asia Pacific
- China
- India
- Japan
- Australia
- South Korea
- RoAPAC

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major

regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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