

Global IoT-based Smart Aquaculture Market Research Report 2026(Status and Outlook)

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Abstracts

IoT-based smart aquaculture refers to the integration of Internet of Things (IoT) technologies into fish and seafood farming to enhance productivity, sustainability, and real-time management. It involves the use of sensors, automated feeders, water quality monitors, and cloud-based data platforms to continuously collect and analyze environmental data such as temperature, pH, oxygen levels, and fish behavior. This real-time data enables farmers to make data-driven decisions, reduce disease risks, optimize feeding, and improve resource efficiency. The system enhances yield, reduces labor, and supports more sustainable and scalable aquaculture operations.

The global IoT-based Smart Aquaculture market size was estimated at USD 185.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 5.20% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global IoT-based Smart Aquaculture market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global IoT-based Smart Aquaculture market. It offers detailed profiles of major players, including

their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the IoT-based Smart Aquaculture market.

Global IoT-based Smart Aquaculture Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

MSD Animal Health
AKVA
Innovasea Systems
XpertSea
Aquabyte
Umitron
TerraConnect
eFishery
SENECT
AQ1 Systems
AquaMaof
Delfers Smart Aqua
Quadlink Technology
ScaleAQ
Aquaconnect

Regional Fish Institute
Exosite
iYo-T Technologies

Market Segmentation (by Type)

Hardware Facilities
Software Platform

Market Segmentation (by Application)

Shrimp Farming
Salmon and Coldwater Fish
Tilapia and Freshwater Fish
Others

Geographic Segmentation

North America (USA, Canada, Mexico)
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the IoT-based Smart Aquaculture Market
Overview of the regional outlook of the IoT-based Smart Aquaculture Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales

team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the IoT-based Smart Aquaculture Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of IoT-based Smart Aquaculture, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to

come
6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of IoT-based Smart Aquaculture

1.2 Key Market Segments

1.2.1 IoT-based Smart Aquaculture Segment by Type

1.2.2 IoT-based Smart Aquaculture Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 IOT-BASED SMART AQUACULTURE MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global IoT-based Smart Aquaculture Market Size (M USD) Estimates and Forecasts (2020-2035)

2.1.2 Global IoT-based Smart Aquaculture Sales Estimates and Forecasts (2020-2035)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 IOT-BASED SMART AQUACULTURE MARKET COMPETITIVE LANDSCAPE

3.1 Company Assessment Quadrant

3.2 Global IoT-based Smart Aquaculture Product Life Cycle

3.3 Global IoT-based Smart Aquaculture Sales by Manufacturers (2020-2025)

3.4 Global IoT-based Smart Aquaculture Revenue Market Share by Manufacturers (2020-2025)

3.5 IoT-based Smart Aquaculture Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global IoT-based Smart Aquaculture Average Price by Manufacturers (2020-2025)

3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types

3.8 IoT-based Smart Aquaculture Market Competitive Situation and Trends

3.8.1 IoT-based Smart Aquaculture Market Concentration Rate

3.8.2 Global 5 and 10 Largest IoT-based Smart Aquaculture Players Market Share by

Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 IOT-BASED SMART AQUACULTURE INDUSTRY CHAIN ANALYSIS

4.1 IoT-based Smart Aquaculture Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF IOT-BASED SMART AQUACULTURE MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global IoT-based Smart Aquaculture Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to IoT-based Smart Aquaculture Market

5.7 ESG Ratings of Leading Companies

6 IOT-BASED SMART AQUACULTURE MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global IoT-based Smart Aquaculture Sales Market Share by Type (2020-2025)

6.3 Global IoT-based Smart Aquaculture Market Size by Type (2020-2025)

6.4 Global IoT-based Smart Aquaculture Price by Type (2020-2025)

7 IOT-BASED SMART AQUACULTURE MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global IoT-based Smart Aquaculture Market Sales by Application (2020-2025)
- 7.3 Global IoT-based Smart Aquaculture Market Size (M USD) by Application (2020-2025)
- 7.4 Global IoT-based Smart Aquaculture Sales Growth Rate by Application (2020-2025)

8 IOT-BASED SMART AQUACULTURE MARKET SALES BY REGION

- 8.1 Global IoT-based Smart Aquaculture Sales by Region
 - 8.1.1 Global IoT-based Smart Aquaculture Sales by Region
 - 8.1.2 Global IoT-based Smart Aquaculture Sales Market Share by Region
- 8.2 Global IoT-based Smart Aquaculture Market Size by Region
 - 8.2.1 Global IoT-based Smart Aquaculture Market Size by Region
 - 8.2.2 Global IoT-based Smart Aquaculture Market Size by Region
- 8.3 North America
 - 8.3.1 North America IoT-based Smart Aquaculture Sales by Country
 - 8.3.2 North America IoT-based Smart Aquaculture Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
- 8.4 Europe
 - 8.4.1 Europe IoT-based Smart Aquaculture Sales by Country
 - 8.4.2 Europe IoT-based Smart Aquaculture Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview
 - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific IoT-based Smart Aquaculture Sales by Region
 - 8.5.2 Asia Pacific IoT-based Smart Aquaculture Market Size by Region
 - 8.5.3 China Market Overview
 - 8.5.4 Japan Market Overview
 - 8.5.5 South Korea Market Overview
 - 8.5.6 India Market Overview
 - 8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America IoT-based Smart Aquaculture Sales by Country

8.6.2 South America IoT-based Smart Aquaculture Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa IoT-based Smart Aquaculture Sales by Region

8.7.2 Middle East and Africa IoT-based Smart Aquaculture Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 IOT-BASED SMART AQUACULTURE MARKET PRODUCTION BY REGION

9.1 Global Production of IoT-based Smart Aquaculture by Region(2020-2025)

9.2 Global IoT-based Smart Aquaculture Revenue Market Share by Region (2020-2025)

9.3 Global IoT-based Smart Aquaculture Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America IoT-based Smart Aquaculture Production

9.4.1 North America IoT-based Smart Aquaculture Production Growth Rate (2020-2025)

9.4.2 North America IoT-based Smart Aquaculture Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe IoT-based Smart Aquaculture Production

9.5.1 Europe IoT-based Smart Aquaculture Production Growth Rate (2020-2025)

9.5.2 Europe IoT-based Smart Aquaculture Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan IoT-based Smart Aquaculture Production (2020-2025)

9.6.1 Japan IoT-based Smart Aquaculture Production Growth Rate (2020-2025)

9.6.2 Japan IoT-based Smart Aquaculture Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China IoT-based Smart Aquaculture Production (2020-2025)

9.7.1 China IoT-based Smart Aquaculture Production Growth Rate (2020-2025)

9.7.2 China IoT-based Smart Aquaculture Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 MSD Animal Health

- 10.1.1 MSD Animal Health Basic Information
- 10.1.2 MSD Animal Health IoT-based Smart Aquaculture Product Overview
- 10.1.3 MSD Animal Health IoT-based Smart Aquaculture Product Market Performance
- 10.1.4 MSD Animal Health Business Overview
- 10.1.5 MSD Animal Health SWOT Analysis
- 10.1.6 MSD Animal Health Recent Developments

10.2 AKVA

- 10.2.1 AKVA Basic Information
- 10.2.2 AKVA IoT-based Smart Aquaculture Product Overview
- 10.2.3 AKVA IoT-based Smart Aquaculture Product Market Performance
- 10.2.4 AKVA Business Overview
- 10.2.5 AKVA SWOT Analysis
- 10.2.6 AKVA Recent Developments

10.3 Innovasea Systems

- 10.3.1 Innovasea Systems Basic Information
- 10.3.2 Innovasea Systems IoT-based Smart Aquaculture Product Overview
- 10.3.3 Innovasea Systems IoT-based Smart Aquaculture Product Market Performance
- 10.3.4 Innovasea Systems Business Overview
- 10.3.5 Innovasea Systems SWOT Analysis
- 10.3.6 Innovasea Systems Recent Developments

10.4 XpertSea

- 10.4.1 XpertSea Basic Information
- 10.4.2 XpertSea IoT-based Smart Aquaculture Product Overview
- 10.4.3 XpertSea IoT-based Smart Aquaculture Product Market Performance
- 10.4.4 XpertSea Business Overview
- 10.4.5 XpertSea Recent Developments

10.5 Aquabyte

- 10.5.1 Aquabyte Basic Information
- 10.5.2 Aquabyte IoT-based Smart Aquaculture Product Overview
- 10.5.3 Aquabyte IoT-based Smart Aquaculture Product Market Performance
- 10.5.4 Aquabyte Business Overview
- 10.5.5 Aquabyte Recent Developments

10.6 Umitron

- 10.6.1 Umitron Basic Information
- 10.6.2 Umitron IoT-based Smart Aquaculture Product Overview
- 10.6.3 Umitron IoT-based Smart Aquaculture Product Market Performance

- 10.6.4 Umitron Business Overview
- 10.6.5 Umitron Recent Developments
- 10.7 TerraConnect
 - 10.7.1 TerraConnect Basic Information
 - 10.7.2 TerraConnect IoT-based Smart Aquaculture Product Overview
 - 10.7.3 TerraConnect IoT-based Smart Aquaculture Product Market Performance
 - 10.7.4 TerraConnect Business Overview
 - 10.7.5 TerraConnect Recent Developments
- 10.8 eFishery
 - 10.8.1 eFishery Basic Information
 - 10.8.2 eFishery IoT-based Smart Aquaculture Product Overview
 - 10.8.3 eFishery IoT-based Smart Aquaculture Product Market Performance
 - 10.8.4 eFishery Business Overview
 - 10.8.5 eFishery Recent Developments
- 10.9 SENECT
 - 10.9.1 SENECT Basic Information
 - 10.9.2 SENECT IoT-based Smart Aquaculture Product Overview
 - 10.9.3 SENECT IoT-based Smart Aquaculture Product Market Performance
 - 10.9.4 SENECT Business Overview
 - 10.9.5 SENECT Recent Developments
- 10.10 AQ1 Systems
 - 10.10.1 AQ1 Systems Basic Information
 - 10.10.2 AQ1 Systems IoT-based Smart Aquaculture Product Overview
 - 10.10.3 AQ1 Systems IoT-based Smart Aquaculture Product Market Performance
 - 10.10.4 AQ1 Systems Business Overview
 - 10.10.5 AQ1 Systems Recent Developments
- 10.11 AquaMaof
 - 10.11.1 AquaMaof Basic Information
 - 10.11.2 AquaMaof IoT-based Smart Aquaculture Product Overview
 - 10.11.3 AquaMaof IoT-based Smart Aquaculture Product Market Performance
 - 10.11.4 AquaMaof Business Overview
 - 10.11.5 AquaMaof Recent Developments
- 10.12 Delfers Smart Aqua
 - 10.12.1 Delfers Smart Aqua Basic Information
 - 10.12.2 Delfers Smart Aqua IoT-based Smart Aquaculture Product Overview
 - 10.12.3 Delfers Smart Aqua IoT-based Smart Aquaculture Product Market Performance
 - 10.12.4 Delfers Smart Aqua Business Overview
 - 10.12.5 Delfers Smart Aqua Recent Developments

10.13 Quadlink Technology

10.13.1 Quadlink Technology Basic Information

10.13.2 Quadlink Technology IoT-based Smart Aquaculture Product Overview

10.13.3 Quadlink Technology IoT-based Smart Aquaculture Product Market

Performance

10.13.4 Quadlink Technology Business Overview

10.13.5 Quadlink Technology Recent Developments

10.14 ScaleAQ

10.14.1 ScaleAQ Basic Information

10.14.2 ScaleAQ IoT-based Smart Aquaculture Product Overview

10.14.3 ScaleAQ IoT-based Smart Aquaculture Product Market Performance

10.14.4 ScaleAQ Business Overview

10.14.5 ScaleAQ Recent Developments

10.15 Aquaconnect

10.15.1 Aquaconnect Basic Information

10.15.2 Aquaconnect IoT-based Smart Aquaculture Product Overview

10.15.3 Aquaconnect IoT-based Smart Aquaculture Product Market Performance

10.15.4 Aquaconnect Business Overview

10.15.5 Aquaconnect Recent Developments

10.16 Regional Fish Institute

10.16.1 Regional Fish Institute Basic Information

10.16.2 Regional Fish Institute IoT-based Smart Aquaculture Product Overview

10.16.3 Regional Fish Institute IoT-based Smart Aquaculture Product Market

Performance

10.16.4 Regional Fish Institute Business Overview

10.16.5 Regional Fish Institute Recent Developments

10.17 Exosite

10.17.1 Exosite Basic Information

10.17.2 Exosite IoT-based Smart Aquaculture Product Overview

10.17.3 Exosite IoT-based Smart Aquaculture Product Market Performance

10.17.4 Exosite Business Overview

10.17.5 Exosite Recent Developments

10.18 iYo-T Technologies

10.18.1 iYo-T Technologies Basic Information

10.18.2 iYo-T Technologies IoT-based Smart Aquaculture Product Overview

10.18.3 iYo-T Technologies IoT-based Smart Aquaculture Product Market

Performance

10.18.4 iYo-T Technologies Business Overview

10.18.5 iYo-T Technologies Recent Developments

11 IOT-BASED SMART AQUACULTURE MARKET FORECAST BY REGION

11.1 Global IoT-based Smart Aquaculture Market Size Forecast

11.2 Global IoT-based Smart Aquaculture Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe IoT-based Smart Aquaculture Market Size Forecast by Country

11.2.3 Asia Pacific IoT-based Smart Aquaculture Market Size Forecast by Region

11.2.4 South America IoT-based Smart Aquaculture Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of IoT-based Smart Aquaculture by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global IoT-based Smart Aquaculture Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of IoT-based Smart Aquaculture by Type (2026-2035)

12.1.2 Global IoT-based Smart Aquaculture Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of IoT-based Smart Aquaculture by Type (2026-2035)

12.2 Global IoT-based Smart Aquaculture Market Forecast by Application (2026-2035)

12.2.1 Global IoT-based Smart Aquaculture Sales (K MT) Forecast by Application

12.2.2 Global IoT-based Smart Aquaculture Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global IoT-based Smart Aquaculture Market Size by Type (M USD)

Table 4. Global IoT-based Smart Aquaculture Market Size by Application

Table 5. IoT-based Smart Aquaculture Market Size Comparison by Region (M USD)

Table 6. Global IoT-based Smart Aquaculture Sales (K MT) by Manufacturers
(2020-2025)

Table 7. Global IoT-based Smart Aquaculture Sales Market Share by Manufacturers
(2020-2025)

Table 8. Global IoT-based Smart Aquaculture Revenue (M USD) by Manufacturers
(2020-2025)

Table 9. Global IoT-based Smart Aquaculture Revenue Share by Manufacturers
(2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in IoT-based Smart Aquaculture as of 2025)

Table 11. Global Market IoT-based Smart Aquaculture Average Price (USD/KG) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global IoT-based Smart Aquaculture Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. IoT-based Smart Aquaculture Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global IoT-based Smart Aquaculture Sales by Type (K MT)

Table 27. Global IoT-based Smart Aquaculture Market Size by Type (M USD)

Table 28. Global IoT-based Smart Aquaculture Sales (K MT) by Type (2020-2025)

Table 29. Global IoT-based Smart Aquaculture Sales Market Share by Type (2020-2025)

Table 30. Global IoT-based Smart Aquaculture Market Size (M USD) by Type (2020-2025)

Table 31. Global IoT-based Smart Aquaculture Market Share by Type (2020-2025)

Table 32. Global IoT-based Smart Aquaculture Price (USD/KG) by Type (2020-2025)

Table 33. Global IoT-based Smart Aquaculture Sales (K MT) by Application

Table 34. Global IoT-based Smart Aquaculture Market Size by Application

Table 35. Global IoT-based Smart Aquaculture Sales by Application (2020-2025) & (K MT)

Table 36. Global IoT-based Smart Aquaculture Sales Market Share by Application (2020-2025)

Table 37. Global IoT-based Smart Aquaculture Market Size by Application (2020-2025) & (M USD)

Table 38. Global IoT-based Smart Aquaculture Market Share by Application (2020-2025)

Table 39. Global IoT-based Smart Aquaculture Sales Growth Rate by Application (2020-2025)

Table 40. Global IoT-based Smart Aquaculture Sales by Region (2020-2025) & (K MT)

Table 41. Global IoT-based Smart Aquaculture Sales Market Share by Region (2020-2025)

Table 42. Global IoT-based Smart Aquaculture Market Size by Region (2020-2025) & (M USD)

Table 43. Global IoT-based Smart Aquaculture Market Size by Region (2020-2025)

Table 44. North America IoT-based Smart Aquaculture Sales by Country (2020-2025) & (K MT)

Table 45. North America IoT-based Smart Aquaculture Market Size by Country (2020-2025) & (M USD)

Table 46. Europe IoT-based Smart Aquaculture Sales by Country (2020-2025) & (K MT)

Table 47. Europe IoT-based Smart Aquaculture Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific IoT-based Smart Aquaculture Sales by Region (2020-2025) & (K MT)

Table 49. Asia Pacific IoT-based Smart Aquaculture Market Size by Region (2020-2025) & (M USD)

Table 50. South America IoT-based Smart Aquaculture Sales by Country (2020-2025) & (K MT)

Table 51. South America IoT-based Smart Aquaculture Market Size by Country

(2020-2025) & (M USD)

Table 52. Middle East and Africa IoT-based Smart Aquaculture Sales by Region (2020-2025) & (K MT)

Table 53. Middle East and Africa IoT-based Smart Aquaculture Market Size by Region (2020-2025) & (M USD)

Table 54. Global IoT-based Smart Aquaculture Production (K MT) by Region(2020-2025)

Table 55. Global IoT-based Smart Aquaculture Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global IoT-based Smart Aquaculture Revenue Market Share by Region (2020-2025)

Table 57. Global IoT-based Smart Aquaculture Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 58. North America IoT-based Smart Aquaculture Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 59. Europe IoT-based Smart Aquaculture Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 60. Japan IoT-based Smart Aquaculture Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 61. China IoT-based Smart Aquaculture Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 62. MSD Animal Health Basic Information

Table 63. MSD Animal Health IoT-based Smart Aquaculture Product Overview

Table 64. MSD Animal Health IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 65. MSD Animal Health Business Overview

Table 66. MSD Animal Health SWOT Analysis

Table 67. MSD Animal Health Recent Developments

Table 68. AKVA Basic Information

Table 69. AKVA IoT-based Smart Aquaculture Product Overview

Table 70. AKVA IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 71. AKVA Business Overview

Table 72. AKVA SWOT Analysis

Table 73. AKVA Recent Developments

Table 74. Innovasea Systems Basic Information

Table 75. Innovasea Systems IoT-based Smart Aquaculture Product Overview

Table 76. Innovasea Systems IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

- Table 77. Innovasea Systems Business Overview
- Table 78. Innovasea Systems SWOT Analysis
- Table 79. Innovasea Systems Recent Developments
- Table 80. XpertSea Basic Information
- Table 81. XpertSea IoT-based Smart Aquaculture Product Overview
- Table 82. XpertSea IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 83. XpertSea Business Overview
- Table 84. XpertSea Recent Developments
- Table 85. Aquabyte Basic Information
- Table 86. Aquabyte IoT-based Smart Aquaculture Product Overview
- Table 87. Aquabyte IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 88. Aquabyte Business Overview
- Table 89. Aquabyte Recent Developments
- Table 90. Umitron Basic Information
- Table 91. Umitron IoT-based Smart Aquaculture Product Overview
- Table 92. Umitron IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 93. Umitron Business Overview
- Table 94. Umitron Recent Developments
- Table 95. TerraConnect Basic Information
- Table 96. TerraConnect IoT-based Smart Aquaculture Product Overview
- Table 97. TerraConnect IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 98. TerraConnect Business Overview
- Table 99. TerraConnect Recent Developments
- Table 100. eFishery Basic Information
- Table 101. eFishery IoT-based Smart Aquaculture Product Overview
- Table 102. eFishery IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 103. eFishery Business Overview
- Table 104. eFishery Recent Developments
- Table 105. SENECT Basic Information
- Table 106. SENECT IoT-based Smart Aquaculture Product Overview
- Table 107. SENECT IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 108. SENECT Business Overview
- Table 109. SENECT Recent Developments

- Table 110. AQ1 Systems Basic Information
- Table 111. AQ1 Systems IoT-based Smart Aquaculture Product Overview
- Table 112. AQ1 Systems IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 113. AQ1 Systems Business Overview
- Table 114. AQ1 Systems Recent Developments
- Table 115. AquaMaof Basic Information
- Table 116. AquaMaof IoT-based Smart Aquaculture Product Overview
- Table 117. AquaMaof IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 118. AquaMaof Business Overview
- Table 119. AquaMaof Recent Developments
- Table 120. Delfers Smart Aqua Basic Information
- Table 121. Delfers Smart Aqua IoT-based Smart Aquaculture Product Overview
- Table 122. Delfers Smart Aqua IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 123. Delfers Smart Aqua Business Overview
- Table 124. Delfers Smart Aqua Recent Developments
- Table 125. Quadlink Technology Basic Information
- Table 126. Quadlink Technology IoT-based Smart Aquaculture Product Overview
- Table 127. Quadlink Technology IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 128. Quadlink Technology Business Overview
- Table 129. Quadlink Technology Recent Developments
- Table 130. ScaleAQ Basic Information
- Table 131. ScaleAQ IoT-based Smart Aquaculture Product Overview
- Table 132. ScaleAQ IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 133. ScaleAQ Business Overview
- Table 134. ScaleAQ Recent Developments
- Table 135. Aquaconnect Basic Information
- Table 136. Aquaconnect IoT-based Smart Aquaculture Product Overview
- Table 137. Aquaconnect IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 138. Aquaconnect Business Overview
- Table 139. Aquaconnect Recent Developments
- Table 140. Regional Fish Institute Basic Information
- Table 141. Regional Fish Institute IoT-based Smart Aquaculture Product Overview
- Table 142. Regional Fish Institute IoT-based Smart Aquaculture Sales (K MT), Revenue

(M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 143. Regional Fish Institute Business Overview

Table 144. Regional Fish Institute Recent Developments

Table 145. Exosite Basic Information

Table 146. Exosite IoT-based Smart Aquaculture Product Overview

Table 147. Exosite IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 148. Exosite Business Overview

Table 149. Exosite Recent Developments

Table 150. iYo-T Technologies Basic Information

Table 151. iYo-T Technologies IoT-based Smart Aquaculture Product Overview

Table 152. iYo-T Technologies IoT-based Smart Aquaculture Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 153. iYo-T Technologies Business Overview

Table 154. iYo-T Technologies Recent Developments

Table 155. Global IoT-based Smart Aquaculture Sales Forecast by Region (2026-2035) & (K MT)

Table 156. Global IoT-based Smart Aquaculture Market Size Forecast by Region (2026-2035) & (M USD)

Table 157. North America IoT-based Smart Aquaculture Sales Forecast by Country (2026-2035) & (K MT)

Table 158. North America IoT-based Smart Aquaculture Market Size Forecast by Country (2026-2035) & (M USD)

Table 159. Europe IoT-based Smart Aquaculture Sales Forecast by Country (2026-2035) & (K MT)

Table 160. Europe IoT-based Smart Aquaculture Market Size Forecast by Country (2026-2035) & (M USD)

Table 161. Asia Pacific IoT-based Smart Aquaculture Sales Forecast by Region (2026-2035) & (K MT)

Table 162. Asia Pacific IoT-based Smart Aquaculture Market Size Forecast by Region (2026-2035) & (M USD)

Table 163. South America IoT-based Smart Aquaculture Sales Forecast by Country (2026-2035) & (K MT)

Table 164. South America IoT-based Smart Aquaculture Market Size Forecast by Country (2026-2035) & (M USD)

Table 165. Middle East and Africa IoT-based Smart Aquaculture Sales Forecast by Country (2026-2035) & (Units)

Table 166. Middle East and Africa IoT-based Smart Aquaculture Market Size Forecast by Country (2026-2035) & (M USD)

Table 167. Global IoT-based Smart Aquaculture Sales Forecast by Type (2026-2035) & (K MT)

Table 168. Global IoT-based Smart Aquaculture Market Size Forecast by Type (2026-2035) & (M USD)

Table 169. Global IoT-based Smart Aquaculture Price Forecast by Type (2026-2035) & (USD/KG)

Table 170. Global IoT-based Smart Aquaculture Sales (K MT) Forecast by Application (2026-2035)

Table 171. Global IoT-based Smart Aquaculture Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of IoT-based Smart Aquaculture
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global IoT-based Smart Aquaculture Market Size (M USD), 2025-2035
- Figure 5. Global IoT-based Smart Aquaculture Market Size (M USD) (2020-2035)
- Figure 6. Global IoT-based Smart Aquaculture Sales (K MT) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. IoT-based Smart Aquaculture Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global IoT-based Smart Aquaculture Product Life Cycle
- Figure 13. IoT-based Smart Aquaculture Sales Share by Manufacturers in 2025
- Figure 14. Global IoT-based Smart Aquaculture Revenue Share by Manufacturers in 2025
- Figure 15. IoT-based Smart Aquaculture Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market IoT-based Smart Aquaculture Average Price (USD/KG) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by IoT-based Smart Aquaculture Revenue in 2025
- Figure 18. Industry Chain Map of IoT-based Smart Aquaculture
- Figure 19. Global IoT-based Smart Aquaculture Market PEST Analysis
- Figure 20. Global IoT-based Smart Aquaculture Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global IoT-based Smart Aquaculture Market Share by Type
- Figure 27. Sales Market Share of IoT-based Smart Aquaculture by Type (2020-2025)
- Figure 28. Sales Market Share of IoT-based Smart Aquaculture by Type in 2025
- Figure 29. Market Share of IoT-based Smart Aquaculture by Type (2020-2025)
- Figure 30. Market Share of IoT-based Smart Aquaculture by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

- Figure 32. Global IoT-based Smart Aquaculture Market Share by Application
- Figure 33. Global IoT-based Smart Aquaculture Sales Market Share by Application (2020-2025)
- Figure 34. Global IoT-based Smart Aquaculture Sales Market Share by Application in 2025
- Figure 35. Global IoT-based Smart Aquaculture Market Share by Application (2020-2025)
- Figure 36. Global IoT-based Smart Aquaculture Market Share by Application in 2025
- Figure 37. Global IoT-based Smart Aquaculture Sales Growth Rate by Application (2020-2025)
- Figure 38. Global IoT-based Smart Aquaculture Sales Market Share by Region (2020-2025)
- Figure 39. Global IoT-based Smart Aquaculture Market Size by Region (2020-2025)
- Figure 40. North America IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)
- Figure 41. North America IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)
- Figure 42. North America IoT-based Smart Aquaculture Sales Market Share by Country in 2024
- Figure 43. North America IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America IoT-based Smart Aquaculture Market Size by Country in 2024
- Figure 45. U.S. IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)
- Figure 46. U.S. IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada IoT-based Smart Aquaculture Sales (K MT) and Growth Rate (2020-2025)
- Figure 48. Canada IoT-based Smart Aquaculture Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico IoT-based Smart Aquaculture Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico IoT-based Smart Aquaculture Market Size (Units) and Growth Rate (2020-2025)
- Figure 51. Europe IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)
- Figure 52. Europe IoT-based Smart Aquaculture Sales Market Share by Country in 2024
- Figure 53. Europe IoT-based Smart Aquaculture Market Size and Growth Rate

(2020-2025) & (M USD)

Figure 54. Europe IoT-based Smart Aquaculture Market Size by Country in 2024

Figure 55. Germany IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)

Figure 56. Germany IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)

Figure 58. France IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific IoT-based Smart Aquaculture Sales and Growth Rate (K MT)

Figure 66. Asia Pacific IoT-based Smart Aquaculture Sales Market Share by Region in 2024

Figure 67. Asia Pacific IoT-based Smart Aquaculture Market Size by Region in 2024

Figure 68. China IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K

MT)

Figure 75. India IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America IoT-based Smart Aquaculture Sales and Growth Rate (K MT)

Figure 79. South America IoT-based Smart Aquaculture Sales Market Share by Country in 2024

Figure 80. South America IoT-based Smart Aquaculture Market Size and Growth Rate (M USD)

Figure 81. South America IoT-based Smart Aquaculture Market Size by Country in 2024

Figure 82. Brazil IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa IoT-based Smart Aquaculture Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa IoT-based Smart Aquaculture Sales Market Share by Region in 2024

Figure 90. Middle East and Africa IoT-based Smart Aquaculture Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa IoT-based Smart Aquaculture Market Size by Region in 2024

Figure 92. Saudi Arabia IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)

- Figure 95. UAE IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 96. Egypt IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)
- Figure 97. Egypt IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 98. Nigeria IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)
- Figure 99. Nigeria IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 100. South Africa IoT-based Smart Aquaculture Sales and Growth Rate (2020-2025) & (K MT)
- Figure 101. South Africa IoT-based Smart Aquaculture Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 102. Global IoT-based Smart Aquaculture Production Market Share by Region (2020-2025)
- Figure 103. North America IoT-based Smart Aquaculture Production (K MT) Growth Rate (2020-2025)
- Figure 104. Europe IoT-based Smart Aquaculture Production (K MT) Growth Rate (2020-2025)
- Figure 105. Japan IoT-based Smart Aquaculture Production (K MT) Growth Rate (2020-2025)
- Figure 106. China IoT-based Smart Aquaculture Production (K MT) Growth Rate (2020-2025)
- Figure 107. Global IoT-based Smart Aquaculture Sales Forecast by Volume (2020-2035) & (K MT)
- Figure 108. Global IoT-based Smart Aquaculture Market Size Forecast by Value (2020-2035) & (M USD)
- Figure 109. Global IoT-based Smart Aquaculture Sales Market Share Forecast by Type (2026-2035)
- Figure 110. Global IoT-based Smart Aquaculture Market Share Forecast by Type (2026-2035)
- Figure 111. Global IoT-based Smart Aquaculture Sales Forecast by Application (2026-2035)
- Figure 112. Global IoT-based Smart Aquaculture Market Share Forecast by Application (2026-2035)

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