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Worldwide IoT Sensor Market Opportunity, Innovation, Demand and Segmentation 2018 to 2025

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Abstracts

The combined growth of novel IoT products as well as innovative IoT solutions to make old products smart is likely to fuel the demand of IoT sensors. However, universal IoT wouldn't be possible without 'smart' and capable sensors. Intelligence is a challenge for IoT and our research shows that a lot of advantages can be achieved on hardware level and sensors are definitely one of those components.

However, there remain challenges for IoT sensors being used in IoT devices. High accuracy, low cost and size, and low power consumptions are highly desired characteristics for IoT sensors by project managers.

Features of sensors also need to be customised as per the use case vertical. Good news is that researchers and companies are working in that direction. Researchers at University of California at San Diego are working on bio-sensors. In particular, three key use cases that researchers are pursuing: small, long-lasting combination sensors for premature babies, continuous bio-sensors for the aged, and sensors that pharmaceuticals companies would place on people in their clinical trials.

This has opened the door to innovation and added a new dimension to the global competition among sensor manufacturers. Researchica predicts that this market will grow to become a US$ 65 billion industry in 2025, growing at a CAGR of 24% during 2018-2025.

The strong market potential has forced companies like ADI, Rohm, and TDK to quickly fill out their product portfolios by acquiring smaller sensor vendors.

This IoT Sensor Research provides critical analysis of the key business models,

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strategies and developments, whilst providing insights into the future of the IoT sensor market. In-depth analysis of the Accelerometer, Acoustic, CO2, Flow, Gyroscope, Humidity, Image, Inertial, Light, Magnetometer, Motion, Occupancy, Pressure, Proximity, Radar, Temperature, and Touch sensors is presented across geographies. The research charts key macro trends, IoT sensor technology innovation trend, IoT player strategies, and is a must-have purchase for both leaders and start-ups looking to establish a position in this sector.

Researchica's insightful IoT sensor research provides in-depth analysis of the future outlook for the IoT sensors in terms of capabilities, service provider opportunities as well as key market forces.

This research includes analysis and forecasts for major stakeholders of the IoT sensor market. The research also provides analysis and forecasts for the application of IoT sensors across key industry sectors, including Industrial Automation, Factory and warehouse, Healthcare, Automotive, Supply Chain / Fleet Management, Oil and Gas, Agriculture, Entertainment & Media, and Military & Aerospace.

Unique Attributes

1. Role of smart sensors in making IoT mainstream
2. How smart sensors can help build intelligent IoT solutions?
3. Ideal measures for evaluation and selection of IoT Sensors

Questions Answered by the Report

1. What are the most critical sensor related issues faced by companies that develop new IoT based solutions?
2. What are various breakthrough innovations in IoT sensors? What is their scope and importance?
3. How these new innovations can help IoT service provider in assuring successful IoT deployments?
4. What are smart sensors? What are the benefits of smart sensors across verticals?
5. What emerging technologies and services are driving the IoT sensor market?
6. Which type of IoT sensors is going to be more demandable in the coming years? And, what are the key reasons for their growing demand?
7. What is the projected market potential of IoT sensors during the next 5 years?

Companies Mentioned in the Report

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ADI, Analog Devices, Arm Holdings, Broadcom Limited (Avago), Infineon Technologies AG, Invensense, Konux, NXP Semiconductors N.V., Omron Corporation, Robert Bosch GmbH, Rohm, Sensirion AG, Smartthings, Inc., Stmicroelectronics N.V., TDK, Te Connectivity Ltd., Texas Instruments Incorporated.

Target Audience:

IoT Players, Chip Manufacturers, Sensor Manufacturers, Battery Manufacturers, Semiconductor Companies, IoT Platform Providers, IoT Device Manufacturers, Original Equipment Manufacturers (OEMs), Original Design Manufacturers (ODMs) and OEM Technology Solution Providers, Research Organisations, Technology Standard Organisations, Forums, Alliances and Associations, Technology Investors, Governments, Financial Institutions, and Investment Communities, Analysts and Strategic Business Planners.

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Contents

1 INTRODUCTION

1.1 Objectives of the Study
1.2 Scope of the Study
  1.2.1 M2M
  1.2.2 IoT
  1.2.3 Sensors for IoT Devices
1.3 Research Methodology

2 EXECUTIVE SUMMARY

2.1 Top 10 IoT Sensor Market Developments of 2017
2.2 Universal IoT wouldn’t be possible without ‘smart’ sensors
2.3 Top IoT Sensor Innovations
2.4 Analyst Viewpoint
  2.4.1 Intelligence is a challenge for IoT
  2.4.2 A lot of advantages can be achieved on hardware level
  2.4.3 Smart sensors can help build intelligent IoT solutions
  2.4.4 Advanced design based on novel components must be used to build intelligent IoT Solutions
2.5 IoT Sensor Market Outlook

3 IOT SENSOR MARKET STRUCTURE, ECOSYSTEM, AND VALUE CHAIN ANALYSIS

3.1 Overview
3.2 IoT Sensor Market Structure
3.3 Key Stakeholders of IoT Sensor Market
  3.3.1 Chip Designers
  3.3.2 Component Manufacturers
  3.3.3 Technology Providers
  3.3.4 Integrators
  3.3.5 End-User Industries
3.4 IoT Sensor Market Competitive Landscape
  3.4.1 Overview
  3.4.2 Key Players in IoT Sensors Market
  3.4.3 Competitive Situations and Trends

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3.4.4 New Product Developments
3.4.5 Partnerships, Agreements, Contracts, Joint Venture, and Collaborations
3.4.6 Mergers & Acquisitions
3.5 Standards for IoT Sensors
3.5.1 General
3.5.2 Present status
3.5.3 Standardisation needs and outlook
3.5.4 Challenges and future standardisation needs

4 IOT SENSOR MANUFACTURING: KEY REQUIREMENTS AND COST ANALYSIS

4.1 Project Key Considerations
4.1.1 Location/Size
4.1.2 Infrastructure Availability/Connectivity
4.1.3 Raw Material
4.1.4 Manpower
4.1.5 Key Players
4.1.5.1 Raw Material Suppliers
4.1.5.2 Machinery Suppliers
4.1.6 Potential Collaboration Opportunities
4.2 IoT Sensor Key Raw Materials Analysis
4.2.1 Key Raw Materials Used in IoT Sensors
4.2.2 Price Trend of Key Raw Materials
4.2.3 Key Suppliers of Raw Materials
4.2.4 Market Concentration Rate of Raw Materials
4.3 Proportion of Manufacturing Cost Structure
4.3.1 Raw Materials
4.3.2 Labor Cost
4.4 IoT Sensor Manufacturing Process Analysis

5 IOT SENSOR VENDOR PROFILES

5.1 Analog Devices, Inc.
5.1.1 Company Overview
5.1.2 Product Portfolio
5.1.3 Recent Developments
5.2 Arm Holdings PLC.
5.2.1 Company Overview
5.2.2 Product Portfolio

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5.2.3 Recent Developments
5.3 Broadcom Limited (Avago)
5.3.1 Company Overview
5.3.2 Product Portfolio
5.3.3 Recent Developments
5.4 Infineon Technologies AG
5.4.1 Company Overview
5.4.2 Product Portfolio
5.4.3 Recent Developments
5.5 Invensense, Inc.
5.5.1 Company Overview
5.5.2 Product Portfolio
5.5.3 Recent Developments
5.6 Konux Inc.
5.6.1 Company Overview
5.6.2 Product Portfolio
5.6.3 Recent Developments
5.7 NXP Semiconductors N.V.
5.7.1 Company Overview
5.7.2 Product Portfolio
5.7.3 Recent Developments
5.8 Omron Corporation
5.8.1 Company Overview
5.8.2 Product Portfolio
5.8.3 Recent Developments
5.9 Robert Bosch GmbH
5.9.1 Company Overview
5.9.2 Product Portfolio
5.9.3 Recent Developments
5.1 Sensirion AG
5.10.1 Company Overview
5.10.2 Product Portfolio
5.10.3 Recent Developments
5.11 Smartthings, Inc.
5.11.1 Company Overview
5.11.2 Product Portfolio
5.11.3 Recent Developments
5.12 Stmicroelectronics N.V.
5.12.1 Company Overview

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info@marketpublishers.com

5.12.2 Product Portfolio
5.12.3 Recent Developments
5.13 Te Connectivity Ltd.
5.13.1 Company Overview
5.13.2 Product Portfolio
5.13.3 Recent Developments
5.14 Texas Instruments Incorporated
5.14.1 Company Overview
5.14.2 Product Portfolio
5.14.3 Recent Developments

6 IOT SENSOR MARKET FORECAST 2018-2025

6.1 Global IoT Sensor Market 2018-2025
6.2 Global IoT Smart Sensor Market 2018-2025
6.3 IoT Sensor Market by Region 2018-2025
6.3.1 North America
6.3.1.1 U.S.
6.3.1.2 Canada
6.4 Europe
6.4.1 Germany
6.4.2 United Kingdom
6.4.3 France
6.4.4 Italy
6.4.5 Spain
6.4.6 Rest of Europe
6.5 Asia Pacific
6.5.1 China
6.5.2 Japan
6.5.3 South Korea
6.5.4 India
6.5.5 Australia
6.5.6 Rest of APAC
6.6 Latin America
6.7 Middle East & Africa
6.8 IoT Sensor Market by Type
6.9 Accelerometer
6.1 Acoustic
6.11 CO2

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6.12 Flow
6.13 Gyroscope
6.14 Humidity
6.15 Image
6.16 Inertial
6.17 Light
6.18 Magnetometer
6.19 Motion
6.2 Occupancy
6.20.1 Image Processing Occupancy Sensors (IPOS)
6.20.2 Intelligent Occupancy Sensors (IOS)
6.21 Pressure
6.22 Proximity
6.23 Radar
6.24 Temperature
6.25 Touch
6.26 IoT Sensor Market by Vertical
6.26.1 Industrial Automation
6.26.2 Factory and warehouse
6.26.3 Healthcare
6.26.4 Automotive
6.26.5 Supply Chain/Fleet Management
6.26.6 Oil and Gas
6.26.7 Agriculture
6.26.8 Entertainment & Media
6.26.9 Military & Aerospace

7 CONCLUSIONS, RECOMMENDATIONS, AND STRATEGIC ANALYSIS

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List Of Figures

LIST OF FIGURES

Figure 1 Global IoT Sensors Shipment (In Million Units), 2018-2025
Figure 2 Global IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 3 Global IoT Smart Sensors Shipment (In Million Units), 2018-2025
Figure 4 Global IoT Smart Sensors Market Revenue (In US$ Million), 2018-2025
Figure 5 IoT Sensors Shipment by Region (In Million Units), 2018-2025
Figure 6 IoT Sensors Market Revenue by Region (In US$ Million), 2018-2025
Figure 7 North America IoT Sensors Shipment (In Million Units), 2018-2025
Figure 8 North America IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 9 USA IoT Sensors Shipment (In Million Units), 2018-2025
Figure 10 USA IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 11 Canada IoT Sensors Shipment (In Million Units), 2018-2025
Figure 12 Canada IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 13 Europe IoT Sensors Shipment (In Million Units), 2018-2025
Figure 14 Europe IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 15 Germany IoT Sensors Shipment (In Million Units), 2018-2025
Figure 16 Germany IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 17 UK IoT Sensors Shipment (In Million Units), 2018-2025
Figure 18 UK IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 19 France IoT Sensors Shipment (In Million Units), 2018-2025
Figure 20 France IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 21 Italy IoT Sensors Shipment (In Million Units), 2018-2025
Figure 22 Italy IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 23 Spain IoT Sensors Shipment (In Million Units), 2018-2025
Figure 24 Spain IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 25 Asia Pacific IoT Sensors Shipment (In Million Units), 2018-2025
Figure 26 Asia Pacific IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 27 China IoT Sensors Shipment (In Million Units), 2018-2025
Figure 28 China IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 29 Japan IoT Sensors Shipment (In Million Units), 2018-2025
Figure 30 Japan IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 31 South Korea IoT Sensors Shipment (In Million Units), 2018-2025
Figure 32 South Korea IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 33 India IoT Sensors Shipment (In Million Units), 2018-2025
Figure 34 India IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 35 Australia IoT Sensors Shipment (In Million Units), 2018-2025

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Figure 36 Australia IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 37 Australia IoT Sensors Shipment (In Million Units), 2018-2025
Figure 38 Australia IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 39 Middle East & Africa IoT Sensors Shipment (In Million Units), 2018-2025
Figure 40 Middle East & Africa IoT Sensors Market Revenue (In US$ Million), 2018-2025
Figure 41 Global IoT Sensors Shipment by Type (In Million Units), 2018-2025
Figure 42 Global IoT Sensors Market Revenue by Type (In US$ Million), 2018-2025
Figure 43 Global IoT Accelerometer Sensors Shipment (In Million Units), 2018-2025
Figure 44 Global IoT Accelerometer Sensors Market Revenue (In US$ Million), 2018-2025
Figure 45 Global IoT Acoustic Sensors Shipment (In Million Units), 2018-2025
Figure 46 Global IoT Acoustic Sensors Market Revenue (In US$ Million), 2018-2025
Figure 47 Global IoT CO2 Sensors Shipment (In Million Units), 2018-2025
Figure 48 Global IoT CO2 Sensors Market Revenue (In US$ Million), 2018-2025
Figure 49 Global IoT Flow Sensors Shipment (In Million Units), 2018-2025
Figure 50 Global IoT Flow Sensors Market Revenue (In US$ Million), 2018-2025
Figure 51 Global IoT Gyroscope Sensors Shipment (In Million Units), 2018-2025
Figure 52 Global IoT Gyroscope Sensors Market Revenue (In US$ Million), 2018-2025
Figure 53 Global IoT Humidity Sensors Shipment (In Million Units), 2018-2025
Figure 54 Global IoT Humidity Sensors Market Revenue (In US$ Million), 2018-2025
Figure 55 Global IoT Image Sensors Shipment (In Million Units), 2018-2025
Figure 56 Global IoT Image Sensors Market Revenue (In US$ Million), 2018-2025
Figure 57 Global IoT Inertial Sensors Shipment (In Million Units), 2018-2025
Figure 58 Global IoT Inertial Sensors Market Revenue (In US$ Million), 2018-2025
Figure 59 Global IoT Light Sensors Shipment (In Million Units), 2018-2025
Figure 60 Global IoT Light Sensors Market Revenue (In US$ Million), 2018-2025
Figure 61 Global IoT Magnetometer Sensors Shipment (In Million Units), 2018-2025
Figure 62 Global IoT Magnetometer Sensors Market Revenue (In US$ Million), 2018-2025
Figure 63 Global IoT Motion Sensors Shipment (In Million Units), 2018-2025
Figure 64 Global IoT Motion Sensors Market Revenue (In US$ Million), 2018-2025
Figure 65 Global IoT Occupancy Sensors Shipment (In Million Units), 2018-2025
Figure 66 Global IoT Occupancy Sensors Market Revenue (In US$ Million), 2018-2025
Figure 67 Global IoT Image Processing Occupancy Sensors (IPOS) Sensors Shipment (In Million Units), 2018-2025
Figure 68 Global IoT Image Processing Occupancy Sensors (IPOS) Sensors Market Revenue (In US$ Million), 2018-2025
Figure 69 Global IoT Intelligent Occupancy Sensors (IOS) Sensors Shipment (In Million

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Units), 2018-2025
Figure 70 Global IoT Intelligent Occupancy Sensors (IOS) Sensors Market Revenue (In US$ Million), 2018-2025
Figure 71 Global IoT Pressure Sensors Shipment (In Million Units), 2018-2025
Figure 72 Global IoT Pressure Sensors Market Revenue (In US$ Million), 2018-2025
Figure 73 Global IoT Proximity Sensors Shipment (In Million Units), 2018-2025
Figure 74 Global IoT Proximity Sensors Market Revenue (In US$ Million), 2018-2025
Figure 75 Global IoT Radar Sensors Shipment (In Million Units), 2018-2025
Figure 76 Global IoT Radar Sensors Market Revenue (In US$ Million), 2018-2025
Figure 77 Global IoT Temperature Sensors Shipment (In Million Units), 2018-2025
Figure 78 Global IoT Temperature Sensors Market Revenue (In US$ Million), 2018-2025
Figure 79 Global IoT Touch Sensors Shipment (In Million Units), 2018-2025
Figure 80 Global IoT Touch Sensors Market Revenue (In US$ Million), 2018-2025
Figure 81 Global IoT Sensors Market Revenue by Vertical (In US$ Million), 2018-2025
Figure 82 Global IoT Sensors Market Revenue for Industrial Automation (In US$ Million), 2018-2025
Figure 83 Global IoT Sensors Market Revenue for Industrial Automation (In US$ Million), 2018-2025
Figure 84 Global IoT Sensors Market Revenue for Healthcare (In US$ Million), 2018-2025
Figure 85 Global IoT Sensors Market Revenue for Automotive (In US$ Million), 2018-2025
Figure 86 Global IoT Sensors Market Revenue for Supply Chain/Fleet Management (In US$ Million), 2018-2025
Figure 87 Global IoT Sensors Market Revenue for Oil and Gas (In US$ Million), 2018-2025
Figure 88 Global IoT Sensors Market Revenue for Agriculture (In US$ Million), 2018-2025
Figure 89 Global IoT Sensors Market Revenue for Entertainment & Media (In US$ Million), 2018-2025
Figure 90 Global IoT Sensors Market Revenue for Military & Aerospace (In US$ Million), 2018-2025

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List Of Tables

LIST OF TABLES

Table 1 Global IoT Sensors Shipment (In Million Units), 2018-2025
Table 2 Global IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 3 Global IoT Smart Sensors Shipment (In Million Units), 2018-2025
Table 4 Global IoT Smart Sensors Market Revenue (In US$ Million), 2018-2025
Table 5 IoT Smart Sensors Shipment by Region (In Million Units), 2018-2025
Table 6 IoT Smart Sensors Market Revenue by Region (In US$ Million), 2018-2025
Table 7 North America IoT Sensors Shipment (In Million Units), 2018-2025
Table 8 North America IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 9 USA IoT Sensors Shipment (In Million Units), 2018-2025
Table 10 USA IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 11 Canada IoT Sensors Shipment (In Million Units), 2018-2025
Table 12 Canada IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 13 Europe IoT Sensors Shipment (In Million Units), 2018-2025
Table 14 Europe IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 15 Germany IoT Sensors Shipment (In Million Units), 2018-2025
Table 16 Germany IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 17 UK IoT Sensors Shipment (In Million Units), 2018-2025
Table 18 UK IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 19 France IoT Sensors Shipment (In Million Units), 2018-2025
Table 20 France IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 21 Italy IoT Sensors Shipment (In Million Units), 2018-2025
Table 22 Italy IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 23 Spain IoT Sensors Shipment (In Million Units), 2018-2025
Table 24 Spain IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 25 Asia Pacific IoT Sensors Shipment (In Million Units), 2018-2025
Table 26 Asia Pacific IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 27 China IoT Sensors Shipment (In Million Units), 2018-2025
Table 28 China IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 29 Japan IoT Sensors Shipment (In Million Units), 2018-2025
Table 30 Japan IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 31 South Korea IoT Sensors Shipment (In Million Units), 2018-2025
Table 32 South Korea IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 33 India IoT Sensors Shipment (In Million Units), 2018-2025
Table 34 India IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 35 Australia IoT Sensors Shipment (In Million Units), 2018-2025

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Table 36 Australia IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 37 Latin America IoT Sensors Shipment (In Million Units), 2018-2025
Table 38 Latin America IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 39 Middle East & Africa IoT Sensors Shipment (In Million Units), 2018-2025
Table 40 Middle East & Africa IoT Sensors Market Revenue (In US$ Million), 2018-2025
Table 41 Global IoT Sensors Shipment by Type (In Million Units), 2018-2025
Table 42 Global IoT Sensors Market Revenue by Type (In US$ Million), 2018-2025

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