

# Global Wireless Industrial IoT Sensors Market Growth 2024-2030

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## Abstracts

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According to our LPI (LP Information) latest study, the global Wireless Industrial IoT Sensors market size was valued at US\$ 6086.8 million in 2023. With growing demand in downstream market, the Wireless Industrial IoT Sensors is forecast to a readjusted size of US\$ 14940 million by 2030 with a CAGR of 13.7% during review period.

The research report highlights the growth potential of the global Wireless Industrial IoT Sensors market. Wireless Industrial IoT Sensors are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Wireless Industrial IoT Sensors. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Wireless Industrial IoT Sensors market.

The industrial Internet of Things (IIoT) refers to the use of internet-connected sensors and devices in the industrial sectors, such as manufacturing, energy, automotive, healthcare, life sciences, and agriculture.

Wireless Industrial IoT Sensors are designed to collect data without the use of wires. They can detect and capture data in any situation, and have now found application in various sectors, including manufacturing/industrial sector. Wireless Industrial IoT Sensors carry a tiny built-in radio transmitter and receiver, which means they can communicate with each other without being hard-wired together. This allows them to go further away from a power source and transmit more valuable information, such as the complex machine data.

Wireless Industrial IoT Sensors can capture information such as vibration, temperature, pressure, humidity, and magnetic flux among others. It can also capture air quality or noise levels, and can measure machine parameters like flow rate, speed or torque.

Global key players of Wireless Industrial IoT Sensors include Robert Bosch GmbH, Honeywell, Analog Devices, NXP Semiconductors and Infineon Technologies, etc. The top five players hold a share over 35%. The China region is the world's largest production area for Wireless Industrial IoT Sensors, has a share about 35%, followed by Southeast Asia and North America, with share 24% and 15%, separately. In terms of product types, Traditional Wireless Technology is the largest market segment, occupying for a share of above 50%. In terms of product applications, Wireless Industrial IoT Sensors are mainly used in manufacture, with a market share of 25%, followed by automotive and energy.

#### Key Features:

The report on Wireless Industrial IoT Sensors market reflects various aspects and provide valuable insights into the industry.

**Market Size and Growth:** The research report provide an overview of the current size and growth of the Wireless Industrial IoT Sensors market. It may include historical data, market segmentation by Type (e.g., Traditional Wireless Technology, LPWANs Technology), and regional breakdowns.

**Market Drivers and Challenges:** The report can identify and analyse the factors driving the growth of the Wireless Industrial IoT Sensors market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

**Competitive Landscape:** The research report provides analysis of the competitive landscape within the Wireless Industrial IoT Sensors market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

**Technological Developments:** The research report can delve into the latest technological developments in the Wireless Industrial IoT Sensors industry. This include advancements in Wireless Industrial IoT Sensors technology, Wireless Industrial IoT

Sensors new entrants, Wireless Industrial IoT Sensors new investment, and other innovations that are shaping the future of Wireless Industrial IoT Sensors.

**Downstream Procumbent Preference:** The report can shed light on customer procumbent behaviour and adoption trends in the Wireless Industrial IoT Sensors market. It includes factors influencing customer ' purchasing decisions, preferences for Wireless Industrial IoT Sensors product.

**Government Policies and Incentives:** The research report analyse the impact of government policies and incentives on the Wireless Industrial IoT Sensors market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Wireless Industrial IoT Sensors market. The report also evaluates the effectiveness of these policies in driving market growth.

**Environmental Impact and Sustainability:** The research report assess the environmental impact and sustainability aspects of the Wireless Industrial IoT Sensors market.

**Market Forecasts and Future Outlook:** Based on the analysis conducted, the research report provide market forecasts and outlook for the Wireless Industrial IoT Sensors industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

**Recommendations and Opportunities:** The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Wireless Industrial IoT Sensors market.

**Market Segmentation:**

Wireless Industrial IoT Sensors market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type

Traditional Wireless Technology

LPWANs Technology

## Segmentation by application

Agriculture

Logistics

Energy

Manufacture

Automotive

Others

This report also splits the market by region:

### Americas

United States

Canada

Mexico

Brazil

### APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Robert Bosch GmbH

Honeywell

Analog Devices

NXP Semiconductors

Infineon Technologies

Silicon Laboratories

ABB

InvenSense (TDK)

Panasonic

Texas Instruments

STMicroelectronics

TE Connectivity

Omron

Semtech

Sensata Technologies

Vishay

Sensirion AG

## Key Questions Addressed in this Report

What is the 10-year outlook for the global Wireless Industrial IoT Sensors market?

What factors are driving Wireless Industrial IoT Sensors market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Wireless Industrial IoT Sensors market opportunities vary by end market size?

How does Wireless Industrial IoT Sensors break out type, application?

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