

Global Smart Grid Sensors Market Size, Manufacturers, Growth Analysis Industry Forecast to 2030

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Abstracts

A smart grid is an evolved grid system that manages electricity demand in a sustainable, reliable and economic manner, built on advanced infrastructure and tuned to facilitate the integration of all involved.

A smart grid sensor has four parts: a transducer, a microcomputer, a transceiver and a power source. The transducer generates electrical signals based on phenomena such as power-line voltage. The microcomputer processes and stores the sensor output. The transceiver, which can be hard-wired or wireless, receives commands from a central computer and transmits data to that computer. The power for each sensor is derived from the electric utility or from a battery.

Smart grid sensors can achieve real-time transmission of data sampling and processing. It can handle data in its onboard communication module for communication and feedback. These features is smart grid sensors different from ordinary grid sensor

According to APO Research, The global Smart Grid Sensors market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

Americas is the largest Smart Grid Sensors market with about 70% market share. Europe is follower, accounting for about 23% market share.

The key players are Tollgrade, Coope(Eaton), Sentient, QinetiQ, ABB, GE, Artech, Landis+Gyr, 3M etc. Top 3 companies occupied about 43% market share.

This report presents an overview of global market for Smart Grid Sensors, sales, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Smart Grid Sensors, also provides the sales of main regions and countries. Of the upcoming market potential for Smart Grid Sensors, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Smart Grid Sensors sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Smart Grid Sensors market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Smart Grid Sensors sales, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including Tollgrade, Coope (Eaton), Sentient, QinetiQ, ABB, GE, Artech, Landis+Gyr and 3M, etc.

Smart Grid Sensors segment by Company

Tollgrade

Coope (Eaton)

Sentient

QinetiQ

ABB

GE

Arteche

Landis+Gyr

3M

Smart Grid Sensors segment by Type

Cellular Sensors

Wi-Fi Sensors

Smart Grid Sensors segment by Application

Infrastructure

Demand Response

Data Collection and Control

Smart Grid Sensors segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global Smart Grid Sensors status and future forecast, involving, sales, revenue, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, sales, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions Smart Grid Sensors market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify Smart Grid Sensors significant trends, drivers, influence factors in global and regions.
6. To analyze Smart Grid Sensors competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Smart Grid Sensors market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Smart Grid Sensors and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more

insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in sales and value), competitor ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market.

5. This report helps stakeholders to gain insights into which regions to target globally.

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Smart Grid Sensors.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Provides an overview of the Smart Grid Sensors market, including product definition, global market growth prospects, sales value, sales volume, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Smart Grid Sensors industry.

Chapter 3: Detailed analysis of Smart Grid Sensors manufacturers competitive landscape, price, sales and revenue market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by 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 6: Sales and value of Smart Grid Sensors in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the market development, future development prospects, market space, and

market size of each country in the world.

Chapter 7: Sales and value of Smart Grid Sensors in country level. It provides sigmate data by type, and by application for each country/region.

Chapter 8: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights.

Chapter 10: Concluding Insights.

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