

Environmental Sensor Market by Type (Particulate & Gas Sensors, Chemical Sensors, Temperature Sensors, Noise Sensors), Application, End User (Residential, Government & Public Utilities, Commercial, and Industrial) - Global Forecast to 2029

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Abstracts

Environmental Sensors Market by Type (Particulate & Gas Sensors, Chemical Sensors, Temperature Sensors, Noise Sensors), Application, End User (Residential, Government & Public Utilities, Commercial, and Industrial)—Global Forecast to 2029

The research report titled, 'Environmental Sensors Market by Type (Particulate & Gas Sensors, Chemical Sensors, Temperature Sensors, Noise Sensors), Application, End User (Residential, Government & Public Utilities, Commercial, and Industrial)—Global Forecast to 2029,' provides an in-depth analysis of the environmental sensors market in five major geographies and emphasizes on the current market trends, market size, market share, recent developments, and forecast till 2029. The global environmental sensors market is projected to reach \$13.53 billion by 2029, at a CAGR of 8.0% during the forecast period of 2022–2029. By volume, the global environmental sensors market is projected to reach 122,800,587 units by 2029, at a CAGR of 8.4% during the forecast period.

The growth of this market is attributed to the rising installation of environmental monitoring stations, increasing use of environmental sensors in the industrial sector, and stringent environmental regulations to reduce environmental pollution.

The market is segmented by type (particulate & gas sensors, chemical sensors, pressure sensors, humidity & moisture sensors, temperature sensors, noise sensors, and other sensors), application, (smart home automation, factory automation, smart

cities, automotive powertrain system, energy harvesting, and other applications), end user (residential, government & public utilities, commercial, and industrial), and geography (North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa). The study also evaluates industry competitors and analyzes the regional and country-level markets.

Based on type, by volume, the chemical sensors segment is expected to account for the largest share of the environmental sensors market. The large market share of this segment is attributed to the increase in global energy usage, the growing need to meet and redefine regulatory requirements for monitoring toxins, and the rising use of chemical sensors in the automotive and healthcare industries.

Based on application, the smart cities segment is expected to register the highest CAGR over the forecast period. The growing demand for real-time air quality monitoring sensors to monitor urban air pollution is expected to support the growth of this segment

Based on end user, the industrial segment is expected to register the highest CAGR during the forecast period. The rising adoption of industry 4.0 and IIoT in the manufacturing sector, increasing demand for industrial robotics, stringent environmental regulations to reduce environmental pollution, and growing technological advancements in industrial sensors are expected to support the growth of this segment.

Based on geography, the environmental sensors market is segmented into five major geographies: North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa. In 2022, North America is expected to account for the largest share of the environmental sensors market. However, the Asia-Pacific region is expected to witness rapid growth during the forecast period due to the increasing government funding for pollution control, ongoing installations of environment monitoring stations, and investments by major environmental sensors companies.

The global environmental sensors market is consolidated and dominated by a few major players, namely, Siemens AG (Germany), Infineon Technologies AG (Germany), Honeywell International Inc. (U.S.), Bosch Sensortec GmbH (Germany), Raritan Inc. (U.S.), TE Connectivity Ltd. (Switzerland), Texas Instruments Incorporated (U.S.), Amphenol Corporation (U.S.), Breeze Technologies (Germany), NuWave Sensor Technology Limited (Ireland), Renesas Electronics Corporation (Japan), Aeroqual (New Zealand), ams-OSRAM AG (Austria), AVTECH Software, Inc. (U.S.), eLichens (France), and Emerson Electric Co. (U.S.)

Key questions answered in the report-

Which are the high-growth market segments in terms of type, application, end user, and region?

What is the historical market for environmental sensors across the globe?

What are the market forecasts and estimates for the period 2022–2029?

What are the major drivers, restraints, and opportunities in the global environmental sensors market ?

Who are the major players in the global environmental sensors market, and what market share do they hold?

Who are the major players in various countries, and what market share do they hold?

How is the competitive landscape?

What are the recent developments in the global environmental sensors market?

What are the different strategies adopted by major players in the global environmental sensors market?

What are the geographical trends in high-growth countries?

Who are the local emerging players in the global environmental sensors market , and how do they compete with the other players?

Scope of the Report

Scope of the Report

Environmental Sensors Market, by Type

Particulate & Gas Sensors

Chemical Sensors

Pressure Sensors

Humidity & Moisture Sensors

Temperature Sensors

Noise Sensors

Other Sensors

Environmental Sensors Market, by Application

Smart Home Automation

Factory Automation

Smart Cities

Automotive Powertrain System

Energy Harvesting

Other Applications

Environmental Sensors Market, by End User

Residential

Government & Public Utilities

Commercial

Transportation & Logistics

Education

Healthcare

Other Commercial Sectors

Industrial

Automotive

Pharmaceutical

Oil & Gas

Consumer Electronics

Chemicals

Other Industries

Environmental Sensors Market, by Geography

North America

U.S.

Canada

Europe

U.K.

Germany

France

Italy

Spain

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia and New Zealand

Rest of Asia-Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

UAE

Israel

Rest of MEA

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