

Environmental Sensing and Monitoring Technologies: Global Markets

<https://marketpublishers.com/r/EBF5901E3B4CEN.html>

Date: July 2020

Pages: 159

Price: US\$ 2,750.00 (Single User License)

ID: EBF5901E3B4CEN

Abstracts

REPORT SCOPE:

For the purpose of this report, environmental sensing and monitoring technologies are sensors, equipment and other technologies that detect chemical and biological contaminants, measure physical phenomena and convert that information into measurable data. Environmental sensor monitoring networks represent the aggregation of large numbers of individual sensors into large networks. Environmental sensors can be in thousands of forms and types based on a wide range of physical and chemical principles with varying types of usable output. Typically monitored contaminants include metals, volatile organic compounds (VOCs), biological contaminants and radioisotopes. The field applications of sensors are also extremely varied. Areas of environmental focus include water supplies and watershed data, vehicular emissions, combustion of fossil fuels, agricultural runoff, industrial and mine waste disposal, ocean spills and dumping, climate change, weather monitoring and seismic events.

The scope of this report covers the global environmental sensing and monitoring technologies market for various end-use industry applications. The market is broken down by application, type, sensor, sampling method and end-use industry. Revenue forecasts from 2020-2025 are given for each segment and regional market with estimated values derived from manufacturers' total revenues.

The report also includes a discussion of the major players in each regional market. Further, it explains the major drivers and regional dynamics of the global environmental sensing and technologies market and current trends within the industry.

The report concludes with a special focus on the vendor landscape and includes

detailed profiles of the major vendors.

REPORT INCLUDES:

80 tables

An overview of the global market for environmental sensing and monitoring technologies

Analyses of global market trends, with data corresponding to market size for 2019, estimates for 2020 and projections of compound annual growth rates (CAGRs) through 2025

Market share analysis of three main categories of sensors, i.e., physical sensors, chemical sensors and biological sensors

Characterization and quantification of environmental sensors market based on passive, active, electromechanical and semiconductors

Breakdowns of sensor applications into categories including temperature sensing, moisture detection, and biological and chemical detection

Identification of emerging growth areas, such as large-scale monitoring networks

A look at the regulatory affairs and the level of government spending committed to the environment that will determine the future level of demand for environmental sensors

Company profiles of the leading players in the industry, including 3M Co., Bosch Sensortec GmbH, Danaher Corp., Honeywell, PerkinElmer Inc., Shimadzu Corp. and Thermo Fisher Scientific Inc.

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NUWAVE SENSOR TECHNOLOGY LTD.

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TE CONNECTIVITY

TELEDYNE TECHNOLOGIES INC.

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