
Description:

'Energy Management System Market by Software (Utility EMS, Industrial EMS, ECEM, Residential EMS, & Others), Device (In-House Display, Smart Thermostat, LCS, Smart Plug), Application, Solution, Vertical & Region - Global Forecast to 2020'

Energy management is primarily concerned with efficiently managing energy in industries, commercial, and residential sectors. Buildings consume about 40% of the energy in which a major portion is consumed in lighting. While, energy costs are the most important cost factor in industry manufacturing processes. As energy costs are highly volatile, industries and buildings need to avoid wastage of energy. Energy-intensive industries like power & energy, manufacturing, and telecom have to control their carbon emissions for environmental concerns. All these factors make it imperative for industries, commercial, and residential sector to monitor their energy usage and manage it for optimal consumption.

The Energy Management System (EMS) systematically captures the energy consumption data and serves as a monitoring system to strategically improve the energy efficiency of industries, buildings, and homes. In industries, it helps the energy managers visualize the energy consumed throughout the enterprise including the manufacturing processes and operations. The industrial EMS solutions consist of computer-aided tools for reducing energy costs, avoiding wastage, predicting energy requirements, and setting up demand response programs. In buildings, EMS solutions automate and ease the process of energy management by providing graphical user-interface through which users can track their consumption patterns, view historian data, and also see real-time energy consumption. Some EMS solutions also include features like motion sensors and occupancy sensors. Thus, EMS is being increasingly adopted by commercial offices, buildings, residential complexes, and manufacturing facilities for energy efficiency, optimizing energy consumption, and utilizing dynamic pricing tariffs and demand control, thus reducing overall costs.

CISCO System, Inc., General Electric Company, Honeywell, IBM Corporation, Schneider Electric SE, Siemens AG, CA Technologies, Eaton Corporation PLC, Emerson Electric Company, and Elster Group GmbH are some of the leading vendors offering EMS solutions. Also, some of the private players who cater to the energy management system market with their innovative offerings are categorised as the key innovators in the research report.

This report has segmented the global energy management system market by technology software, device, application, solution, vertical, and region. The market research report analyzes global adoption trends, future growth potential, key drivers, restraints, opportunities, and best practices in this market.

On the basis of software:

- The energy management system market has been segmented on the basis of software such as utility EMS software, industrial EMS software, residential EMS, enterprise carbon and energy management software, and others.

On the basis of devices:

- This market has been segmented on the basis of devices which include in-house display device, smart thermostats, load control switches, and smart plugs.

On the basis of solutions:

- This market has been segmented on the basis of solutions into carbon and energy management, demand response management, and utility billing and customer information system (CIS).

On the basis of applications:

- This market has been segmented on the basis of applications which include Home Energy Management System (HEMS) and Building Energy Management System (BEMS).
On the basis of verticals:

- This market has been segmented on the basis of verticals which include power and energy, telecom and IT, manufacturing, office and commercial buildings, and municipalities, universities, schools, and hospitals (MUSH).

On the basis of geographical regions:

- Geographical regions are classified into North America, Europe, Latin America, Asia-Pacific (APAC), and Middle East and Africa (MEA).

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