

# **Global Energy Management System Market Size study, by Software (Utility EMS, Industrial EMS, Residential EMS, Enterprise Carbon and Energy Management, Other) by Device (In-House Display , Smart Thermostats, Smart Plugs, Load Control Switches) by Application (Home Energy Management, Building Energy Management) by Solution(Carbon Energy Management, Demand Response Management, Utility Billing and Customer Information System) by Vertical (Power and Energy, Telecom and IT, Manufacturing, Office and Commercial Buildings, Municipals, University, Schools and Hospitals) and Regional Forecasts 2021-2027**

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## **Abstracts**

Global Energy Management System Market is valued approximately USD 64.60 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 18.8 % over the forecast period 2021-2027. An energy management system (EMS) is a computer-assisted tool that power system operators use to detect, regulate, and administer energy efficiently. An EMS's goal is to calculate power generation or demand that minimizes a specific goal, such as voltage profile, electrical failure, or environmental impact. Several organizations are grappling with the issue of lowering energy consumption. Energy management systems are projected to be more widely adopted in the mechanization of production as pressure to embrace sustainable energy solutions grows. Furthermore, energy management solutions assist businesses in reducing

operational expenses and greenhouse gas emissions, which is projected to encourage investors to invest in energy management solutions, resulting in market growth. Microsoft Corporation of France, for example, has invested in Schneider Electric's energy management technology to enhance its surveillance efficiency while lowering its carbon emissions. Furthermore, the use of energy security solutions has resulted in a 30 percent reduction in power use. The rising demand for EMS solutions has been fueled by the rapid rise of well-organized commercial and healthcare sectors. Furthermore, due to the quick introduction of novel products such as multi-network SCADA integration and other similar technologies, investments in these sectors are likely to expand. However, commuting needs have decreased as a result of remote working trends, resulting in lower carbon emissions. According to study published in April 2020, global CO2 emissions are expected to decrease by 2.6 gigatonnes, or 8%, in 2020. As a result, the adoption of EMS has been slowed due to lower community environmental consequences. As a result, the market has been hampered mostly by commuting requirements. Renewable energy sources such as solar, nuclear, wind, biogas, and hydro power are becoming increasingly popular, presenting prospects for the worldwide energy management system industry. Furthermore, energy management systems may save a significant amount of energy while remaining cost-effective, which is expected to be a major development factor for the market.

North America market is predicted to hold the highest share in the market owing to radically altering energy regulations and rising investment in renewable energy sources in the U.S. The market is expected to grow further due to the growing acceptance and utilisation of renewable energy among countries in the North American region. According to research, renewable energy sources account for 8% of total primary energy consumption in the United States as of 2019. Various industry behemoths are increasing their investments in advanced energy management systems in order to cut down on energy waste, which is foreseen to boost the market growth in the region. Growing attempts to promote the use of renewable energy in emerging economies, such as subsidizing for solar farms, are expected to boost market growth in the Asia Pacific area.

Major market player included in this report are:

- Honeywell Inc.
- Schneider Electric
- Siemens AG
- C3 Energy
- General Electric Company
- Emerson Process Management

Daikin Industries  
Daintree Networks  
Jones Lang LaSalle  
Gridpoint Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Software:

Utility EMS  
Industrial EMS  
Residential EMS  
Enterprise Carbon and Energy Management  
Other

By Device:

In-House Display  
Smart Thermostats  
Smart Plugs  
Load Control Switches

By Application:

Home Energy Management  
Building Energy Management

By Solution:

Carbon Energy Management  
Demand Response Management  
Utility Billing and Customer Information System

By Vertical:

Power and Energy  
Telecom and IT  
Manufacturing  
Office and Commercial Buildings  
Municipal

University  
Schools  
Hospitals

By Region:  
North America  
U.S.  
Canada  
Europe  
UK  
Germany  
France  
Spain  
Italy  
ROE

Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019  
Base year – 2020  
Forecast period – 2021 to 2027

Target Audience of the Global Energy Management System Market in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists

Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

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