

# Energy Management System Market to Hit USD 129.22 Billion by 2032 | SNS Insider

*The Energy Management Systems Market is expanding with demand for efficient energy monitoring and optimization in industrial, commercial and residential sectors*

AUSTIN, TX, UNITED STATES, February 20, 2025 /EINPresswire.com/ -- Market Size & Industry Insights

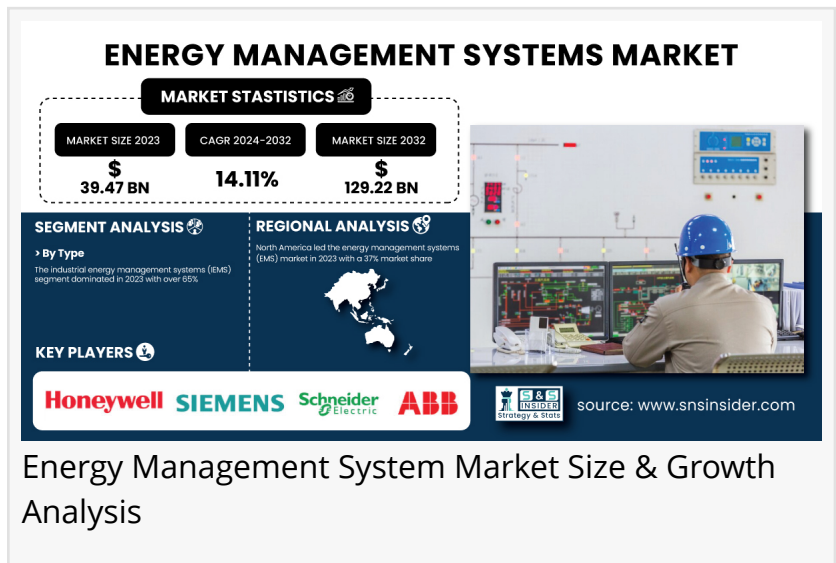
According to the SNS Insider Report, "The [Energy Management System Market](#) size was valued at USD 39.47 Billion in 2023 and expected to reach USD 129.22 Billion by 2032, growing at a CAGR of 14.11% during 2024-2032."

In 2023, EMS Wafer production in the year 2023 had differences by region in verticals, with varying output levels in key markets. Computer designs, significantly new trends in the market, have come before many of us with the mention of IoT and in anticipation of what is to come; here are the top smart grid design trends for the upcoming month. In 2023 capacity utilization for EMS solutions in industrial, commercial, and residential applications also demonstrated great deal of demand for such solutions. EMS supply chain metrics have evolved to reveal an increasing demand for integrated solutions, logistical optimization and strides toward sustainable energy systems worldwide.

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SWOT Analysis of Key Players as follows:

- Siemens
- Schneider Electric
- General Electric (GE)
- Honeywell
- Johnson Controls



Energy Management System Market Size & Growth Analysis

- ABB
- Emerson
- Rockwell Automation
- Eaton
- IBM
- Siemens Gamesa
- Delta Electronics
- Honeywell International
- Mitsubishi Electric
- Enel X
- GridPoint
- Panasonic
- Cisco
- Huawei
- Legrand

#### Key Market Segmentation:

By Type, Industrial energy management systems (IEMS) Dominating and home energy management systems (HEMS) Fastest Growing

In 2023, the industrial energy management systems (IEMS) segment led the market with over 65% share, Due to the increased energy demand and potential cost savings in sectors such as manufacturing, oil & gas industry. IEMS solutions improve energy efficiency, lower operational costs, and support compliance with strict environmental regulations. For instance, Siemens' SIMATIC Energy Manager enables real-time energy monitoring in industrial facilities, cutting both

The home energy management systems (HEMS) segment is experiencing rapid growth over the forecast period 2024-2032, With products that lend themselves to all-out integration, such as Google Nest's thermostat, which turns energy use up or down based on whether people are home or away, leading players like Google Nest and Honeywell have helped the smart home market explode.

By Component, Hardware Dominating and Software Fastest Growing

In 2023, the hardware segment dominated the Energy Management Systems (EMS) market with a 60% share, as essential components like sensors, meters, controllers, and smart devices form the foundation of EMS. These components enable real-time monitoring, data collection, and energy control, making them vital for industrial, commercial, and residential applications. For example, Schneider Electric offers energy meters and IoT sensors that play a crucial role in energy-saving efforts in manufacturing plants.

The software segment, however, is expected to be the fastest-growing in the EMS market from 2024 to 2032. Software solutions, such as energy analytics platforms, provide valuable insights into energy usage, enabling predictive maintenance, optimization, and compliance. Cloud-based energy management software like Siemens' Desigo CC facilitates remote monitoring and real-time data analysis, enhancing energy efficiency and offering businesses greater control over energy consumption.

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### By Deployment, on-premises Dominating and Cloud Fastest Growing

In 2023, the on-premises segment held a dominant 55% market share, as it provides organizations with greater control over their energy data and infrastructure, especially in industries such as manufacturing and utilities. This ensures data privacy, compliance, and specific energy management to the organization's needs, while also being customizable. Siemens' Desigo CC, which is commonly used to reduce energy consumption in large buildings while maintaining compliance.

The cloud segment is expected to be the fastest-growing over the forecast period, because of its scalability, cost-efficiency, and capable of delivering real-time monitoring and analytics. Small and medium-sized enterprises (SMEs) and advanced users with many separate locations particularly favor cloud-based EMS solutions for ease of deployment and low need for hardware, such as Schneider Electric's EcoStruxure.

### By End User, Manufacturing Dominating and Residential Fastest Growing

In 2023, The Manufacturing segment was the dominant force in the energy management systems (EMS) market, due to the increased energy demand from energy-intensive industries like automotive, chemicals, and heavy machinery and the potential for cost savings in such industries. In order to enhance energy efficiency and comply with environmental regulations, manufacturing facilities often find EMS solutions to be invaluable since they enable them to monitor energy consumption, optimize operations, and reduce costs.

The residential segment is witnessing the fastest growth in the EMS market over the forecast period 2024-2032, driven by the growing popularity of smart home technologies. Consumers are becoming more energy-savvy and utilizing smart devices such as smart thermostats, lighting systems and appliances to manage energy use and lower utility bills. This rapid adoption is being driven by the growing trend of sustainable living, along with government incentives for energy-saving solutions. Thus, alongside the continued prevalence of manufacturing in the market, the residential segment is anticipated to keep expanding.

North America and Asia-Pacific: Regional Growth of the Energy Management Systems Market

North America dominated the energy management systems (EMS) market in 2023 with a 37% share, propelled by a strong regulatory environment and technological advancements for energy efficiency. U.S. and Canada promote the wide use of energy-efficient systems in sectors such as manufacturing, retail, and data centers, and companies like Honeywell and Johnson Controls provide comprehensive EMS solutions to help improve energy efficiency.

The Asia-Pacific region is expected to see rapid growth from 2024 to 2032, due to urbanization, industrialization, and increases in energy consumption. Other nations such as China, India, and Japan are making investments in smart grids and renewable energy solutions, bolstered by government initiatives to lessen carbon emissions. Companies such as Siemens and ABB are generating growth through EMS solutions in smart cities and renewable energy projects.

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Jagney Dave

SNS Insider Pvt. Ltd

+1 315-636-4242

info@snsinsider.com

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