

Building Energy Management Systems Market to Reach \$156.7Bn by 2031, Growing at 17.2% CAGR | DataM Intelligence

BEMS market to grow from \$51.6 billion in 2024 to \$156.7 billion by 2031, driven by smart tech and global energy efficiency demands.

NEW YORK, NY, UNITED STATES, May 28, 2025 /EINPresswire.com/ -- Market Overview

As sustainability and energy efficiency become critical to urban development, the [Building Energy Management Systems Market](#) is gaining rapid momentum. Valued at USD 51.6 billion in 2024, the market is projected to soar to USD 156.7 billion by 2031, growing at an impressive CAGR of 17.2% during the forecast period. These intelligent systems offer real-time monitoring and control over a building's energy use, integrating with HVAC, lighting, and other electrical components to optimize performance, reduce energy waste, and cut operational costs.



Building energy management systems aren't just cost-cutting tools, they're the backbone of sustainable, intelligent infrastructure for a carbon-conscious world"

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Market Drivers

Rising need to improve energy efficiency and reduce operational costs in both commercial and residential buildings.

Government regulations and policies encouraging green building initiatives and carbon emission reductions.

Expansion of smart city projects that integrate IoT-based

building control systems.

Technological advancements in AI, cloud computing, and IoT enabling real-time data analytics and remote management.

Increased focus on occupant comfort and indoor air quality, driving automation of HVAC systems.

Rising electricity prices and the need to manage peak load demand effectively in large facilities.

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Market Key Players

Key industry players are developing advanced, integrated platforms that allow seamless control and analytics:

ABB Ltd.

C3.ai Inc.

Cisco Systems Inc.

Engie

General Electric

Honeywell International Inc.

International Business Machines Corporation (IBM)

Johnson Controls

Schneider Electric

Siemens AG

These companies are heavily investing in R&D, AI integration, and acquisitions to expand their reach in energy management technologies.

Market Segmentation

By Component:

Hardware (Sensors, Controllers)
Software (Analytics, Visualization, Control Tools)
Services (Consulting, Installation, Maintenance)

By Application:

Residential Buildings
Commercial Buildings
Industrial Facilities

By Deployment:

On-Premise
Cloud-Based

By End User:

Government
Healthcare
Education
Retail
Manufacturing

Latest News of USA

March 2025: Johnson Controls announced the expansion of its OpenBlue platform in North America, enhancing predictive analytics for building energy efficiency.

April 2025: The U.S. Department of Energy launched a \$250 million grant for smart building retrofits across government facilities.

February 2025: Schneider Electric partnered with a major real estate firm in New York to implement AI-driven BEMS across 100+ commercial properties.

Latest News of Japan

May 2025: Mitsubishi Electric announced an advanced BEMS launch targeting mid-size commercial buildings across Tokyo and Osaka.

March 2025: Japan's Ministry of Land, Infrastructure, Transport and Tourism introduced a subsidy program for energy-efficient building tech, including BEMS.

January 2025: Panasonic enhanced its energy management platform by adding real-time occupancy sensing and adaptive HVAC control capabilities.

Key Developments

October 2024: Honeywell launched a cloud-based BEMS featuring AI-powered anomaly detection tailored for commercial buildings.

Sep 2024: Siemens launched a plug-and-play IoT sensor suite to enhance integration with its Desigo CC platform.

Aug 2024: IBM upgraded its TRIRIGA platform to support ESG reporting and sustainability benchmarks for building portfolios.

Jul 2024: ABB acquired a startup specializing in low-voltage smart controllers for residential BEMS deployment.

Jun 2024: Schneider Electric announced a green building accelerator program in partnership with local U.S. municipalities.

Conclusion

The building energy management systems market is at the heart of a global shift toward smart, sustainable infrastructure. As governments enforce stricter energy efficiency norms and businesses prioritize ESG goals, the demand for integrated, intelligent energy solutions is set to explode. With leading tech firms pushing the boundaries of AI and IoT, the next decade promises to deliver not only operational savings but also a more sustainable built environment. Both developed and emerging economies stand to benefit immensely as BEMS becomes a cornerstone of modern building design and retrofitting strategies.

Related Reports :

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[Residential Energy Management Market Analysis \(2024-2031\)](#)

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