

Global AI-based Energy Management System (EMS) Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global AI-based Energy Management System (EMS) market size is predicted to grow from US\$ 3288 million in 2025 to US\$ 10526 million in 2032; it is expected to grow at a CAGR of 18.9% from 2026 to 2032.

An AI-based Energy Management System is an intelligent software and control platform that integrates metering data, IoT sensor data, utility tariffs, weather data, occupancy data, production data, equipment status, and grid signals, then applies AI/ML models to forecast energy demand, identify inefficiencies, optimize equipment operation, reduce peak load, support demand response, and improve energy cost and carbon performance.

United States market for AI-based Energy Management System (EMS) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for AI-based Energy Management System (EMS) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for AI-based Energy Management System (EMS) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key AI-based Energy Management System (EMS) players cover Schneider Electric, Siemens, Honeywell, ABB, Johnson Controls, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LPI (LP Information)' newest research report, the “AI-based Energy Management System (EMS) Industry Forecast” looks at past sales and reviews total world AI-based Energy Management System (EMS) sales in 2025, providing a comprehensive analysis by region and market sector of projected AI-based Energy Management System (EMS) sales for 2026 through 2032. With AI-based Energy Management System (EMS) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world AI-based Energy Management System (EMS) industry.

This Insight Report provides a comprehensive analysis of the global AI-based Energy Management System (EMS) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on AI-based Energy Management System (EMS) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global AI-based Energy Management System (EMS) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for AI-based Energy Management System (EMS) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global AI-based Energy Management System (EMS).

This report presents a comprehensive overview, market shares, and growth opportunities of AI-based Energy Management System (EMS) market by product type, application, key players and key regions and countries.

Segmentation by Type:

Cloud-based AI EMS

On-premise AI EMS

Segmentation by Function:

Energy Monitoring and Analytics

Predictive Energy Optimization

Automated Control

Carbon and Sustainability

Other

Segmentation by End-use Environment:

Building AI EMS

Industrial AI EMS

Home AI EMS

Microgrid AI EMS

Renewable Energy AI EMS

Segmentation by Application:

Commercial Buildings

Industrial Manufacturing

Utilities and Grid Operators

Data Centers

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Schneider Electric

Siemens

Honeywell

ABB

Johnson Controls

Carrier

Trane Technologies

Delta Electronics

Eaton

Emerson

C3 AI

Trane (BrainBox AI)

GridPoint

Stem

Uplight (AutoGrid)

Enel

GridBeyond

Spacewell Energy

TPISoftware

Huawei

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global AI-based Energy Management System (EMS) Market Size (2021-2032)
- 2.1.2 AI-based Energy Management System (EMS) Market Size CAGR by Region (2021 VS 2025 VS 2032)
- 2.1.3 World Current & Future Analysis for AI-based Energy Management System (EMS) by Country/Region (2021, 2025 & 2032)

2.2 AI-based Energy Management System (EMS) Segment by Type

- 2.2.1 Cloud-based AI EMS
- 2.2.2 On-premise AI EMS
- 2.2.3 AI-based Energy Management System (EMS) Market Size by Type
 - 2.2.3.1 AI-based Energy Management System (EMS) Market Size CAGR by Type (2021 VS 2025 VS 2032)
 - 2.2.3.2 Global AI-based Energy Management System (EMS) Market Size Market Share by Type (2021-2026)

2.3 AI-based Energy Management System (EMS) Segment by Function

- 2.3.1 Energy Monitoring and Analytics
- 2.3.2 Predictive Energy Optimization
- 2.3.3 Automated Control
- 2.3.4 Carbon and Sustainability
- 2.3.5 Other
- 2.3.6 AI-based Energy Management System (EMS) Market Size by Function
 - 2.3.6.1 AI-based Energy Management System (EMS) Market Size CAGR by Function (2021 VS 2025 VS 2032)
 - 2.3.6.2 Global AI-based Energy Management System (EMS) Market Size Market

Share by Function (2021-2026)

2.4 AI-based Energy Management System (EMS) Segment by End-use Environment

2.4.1 Building AI EMS

2.4.2 Industrial AI EMS

2.4.3 Home AI EMS

2.4.4 Microgrid AI EMS

2.4.5 Renewable Energy AI EMS

2.4.6 AI-based Energy Management System (EMS) Market Size by End-use Environment

2.4.6.1 AI-based Energy Management System (EMS) Market Size CAGR by End-use Environment (2021 VS 2025 VS 2032)

2.4.6.2 Global AI-based Energy Management System (EMS) Market Size Market Share by End-use Environment (2021-2026)

2.5 AI-based Energy Management System (EMS) Segment by Application

2.5.1 Commercial Buildings

2.5.2 Industrial Manufacturing

2.5.3 Utilities and Grid Operators

2.5.4 Data Centers

2.5.5 Other

2.5.6 AI-based Energy Management System (EMS) Market Size by Application

2.5.6.1 AI-based Energy Management System (EMS) Market Size CAGR by Application (2021 VS 2025 VS 2032)

2.5.6.2 Global AI-based Energy Management System (EMS) Market Size Market Share by Application (2021-2026)

3 AI-BASED ENERGY MANAGEMENT SYSTEM (EMS) MARKET SIZE BY PLAYER

3.1 AI-based Energy Management System (EMS) Market Size Market Share by Player

3.1.1 Global AI-based Energy Management System (EMS) Revenue by Player (2021-2026)

3.1.2 Global AI-based Energy Management System (EMS) Revenue Market Share by Player (2021-2026)

3.2 Global AI-based Energy Management System (EMS) Key Players Head office and Products Offered

3.3 Market Concentration Rate Analysis

3.3.1 Competition Landscape Analysis

3.3.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.4 New Products and Potential Entrants

3.5 Mergers & Acquisitions, Expansion

4 AI-BASED ENERGY MANAGEMENT SYSTEM (EMS) BY REGION

4.1 AI-based Energy Management System (EMS) Market Size by Region (2021-2026)

4.2 Global AI-based Energy Management System (EMS) Annual Revenue by Country/Region (2021-2026)

4.3 Americas AI-based Energy Management System (EMS) Market Size Growth (2021-2026)

4.4 APAC AI-based Energy Management System (EMS) Market Size Growth (2021-2026)

4.5 Europe AI-based Energy Management System (EMS) Market Size Growth (2021-2026)

4.6 Middle East & Africa AI-based Energy Management System (EMS) Market Size Growth (2021-2026)

5 AMERICAS

5.1 Americas AI-based Energy Management System (EMS) Market Size by Country (2021-2026)

5.2 Americas AI-based Energy Management System (EMS) Market Size by Type (2021-2026)

5.3 Americas AI-based Energy Management System (EMS) Market Size by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC AI-based Energy Management System (EMS) Market Size by Region (2021-2026)

6.2 APAC AI-based Energy Management System (EMS) Market Size by Type (2021-2026)

6.3 APAC AI-based Energy Management System (EMS) Market Size by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

7 EUROPE

7.1 Europe AI-based Energy Management System (EMS) Market Size by Country (2021-2026)

7.2 Europe AI-based Energy Management System (EMS) Market Size by Type (2021-2026)

7.3 Europe AI-based Energy Management System (EMS) Market Size by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa AI-based Energy Management System (EMS) by Region (2021-2026)

8.2 Middle East & Africa AI-based Energy Management System (EMS) Market Size by Type (2021-2026)

8.3 Middle East & Africa AI-based Energy Management System (EMS) Market Size by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 GLOBAL AI-BASED ENERGY MANAGEMENT SYSTEM (EMS) MARKET

FORECAST

10.1 Global AI-based Energy Management System (EMS) Forecast by Region (2027-2032)

10.1.1 Global AI-based Energy Management System (EMS) Forecast by Region (2027-2032)

10.1.2 Americas AI-based Energy Management System (EMS) Forecast

10.1.3 APAC AI-based Energy Management System (EMS) Forecast

10.1.4 Europe AI-based Energy Management System (EMS) Forecast

10.1.5 Middle East & Africa AI-based Energy Management System (EMS) Forecast

10.2 Americas AI-based Energy Management System (EMS) Forecast by Country (2027-2032)

10.2.1 United States Market AI-based Energy Management System (EMS) Forecast

10.2.2 Canada Market AI-based Energy Management System (EMS) Forecast

10.2.3 Mexico Market AI-based Energy Management System (EMS) Forecast

10.2.4 Brazil Market AI-based Energy Management System (EMS) Forecast

10.3 APAC AI-based Energy Management System (EMS) Forecast by Region (2027-2032)

10.3.1 China AI-based Energy Management System (EMS) Market Forecast

10.3.2 Japan Market AI-based Energy Management System (EMS) Forecast

10.3.3 Korea Market AI-based Energy Management System (EMS) Forecast

10.3.4 Southeast Asia Market AI-based Energy Management System (EMS) Forecast

10.3.5 India Market AI-based Energy Management System (EMS) Forecast

10.3.6 Australia Market AI-based Energy Management System (EMS) Forecast

10.4 Europe AI-based Energy Management System (EMS) Forecast by Country (2027-2032)

10.4.1 Germany Market AI-based Energy Management System (EMS) Forecast

10.4.2 France Market AI-based Energy Management System (EMS) Forecast

10.4.3 UK Market AI-based Energy Management System (EMS) Forecast

10.4.4 Italy Market AI-based Energy Management System (EMS) Forecast

10.4.5 Russia Market AI-based Energy Management System (EMS) Forecast

10.5 Middle East & Africa AI-based Energy Management System (EMS) Forecast by Region (2027-2032)

10.5.1 Egypt Market AI-based Energy Management System (EMS) Forecast

10.5.2 South Africa Market AI-based Energy Management System (EMS) Forecast

10.5.3 Israel Market AI-based Energy Management System (EMS) Forecast

10.5.4 Turkey Market AI-based Energy Management System (EMS) Forecast

10.6 Global AI-based Energy Management System (EMS) Forecast by Type (2027-2032)

10.7 Global AI-based Energy Management System (EMS) Forecast by Application (2027-2032)

10.7.1 GCC Countries Market AI-based Energy Management System (EMS) Forecast

11 KEY PLAYERS ANALYSIS

11.1 Schneider Electric

11.1.1 Schneider Electric Company Information

11.1.2 Schneider Electric AI-based Energy Management System (EMS) Product Offered

11.1.3 Schneider Electric AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

11.1.4 Schneider Electric Main Business Overview

11.1.5 Schneider Electric Latest Developments

11.2 Siemens

11.2.1 Siemens Company Information

11.2.2 Siemens AI-based Energy Management System (EMS) Product Offered

11.2.3 Siemens AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

11.2.4 Siemens Main Business Overview

11.2.5 Siemens Latest Developments

11.3 Honeywell

11.3.1 Honeywell Company Information

11.3.2 Honeywell AI-based Energy Management System (EMS) Product Offered

11.3.3 Honeywell AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

11.3.4 Honeywell Main Business Overview

11.3.5 Honeywell Latest Developments

11.4 ABB

11.4.1 ABB Company Information

11.4.2 ABB AI-based Energy Management System (EMS) Product Offered

11.4.3 ABB AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

11.4.4 ABB Main Business Overview

11.4.5 ABB Latest Developments

11.5 Johnson Controls

11.5.1 Johnson Controls Company Information

11.5.2 Johnson Controls AI-based Energy Management System (EMS) Product Offered

11.5.3 Johnson Controls AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

11.5.4 Johnson Controls Main Business Overview

11.5.5 Johnson Controls Latest Developments

11.6 Carrier

11.6.1 Carrier Company Information

11.6.2 Carrier AI-based Energy Management System (EMS) Product Offered

11.6.3 Carrier AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

11.6.4 Carrier Main Business Overview

11.6.5 Carrier Latest Developments

11.7 Trane Technologies

11.7.1 Trane Technologies Company Information

11.7.2 Trane Technologies AI-based Energy Management System (EMS) Product Offered

11.7.3 Trane Technologies AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

11.7.4 Trane Technologies Main Business Overview

11.7.5 Trane Technologies Latest Developments

11.8 Delta Electronics

11.8.1 Delta Electronics Company Information

11.8.2 Delta Electronics AI-based Energy Management System (EMS) Product Offered

11.8.3 Delta Electronics AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

11.8.4 Delta Electronics Main Business Overview

11.8.5 Delta Electronics Latest Developments

11.9 Eaton

11.9.1 Eaton Company Information

11.9.2 Eaton AI-based Energy Management System (EMS) Product Offered

11.9.3 Eaton AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

11.9.4 Eaton Main Business Overview

11.9.5 Eaton Latest Developments

11.10 Emerson

11.10.1 Emerson Company Information

11.10.2 Emerson AI-based Energy Management System (EMS) Product Offered

11.10.3 Emerson AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

- 11.10.4 Emerson Main Business Overview
- 11.10.5 Emerson Latest Developments
- 11.11 C3 AI
 - 11.11.1 C3 AI Company Information
 - 11.11.2 C3 AI AI-based Energy Management System (EMS) Product Offered
 - 11.11.3 C3 AI AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)
 - 11.11.4 C3 AI Main Business Overview
 - 11.11.5 C3 AI Latest Developments
- 11.12 Trane (BrainBox AI)
 - 11.12.1 Trane (BrainBox AI) Company Information
 - 11.12.2 Trane (BrainBox AI) AI-based Energy Management System (EMS) Product Offered
 - 11.12.3 Trane (BrainBox AI) AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)
 - 11.12.4 Trane (BrainBox AI) Main Business Overview
 - 11.12.5 Trane (BrainBox AI) Latest Developments
- 11.13 GridPoint
 - 11.13.1 GridPoint Company Information
 - 11.13.2 GridPoint AI-based Energy Management System (EMS) Product Offered
 - 11.13.3 GridPoint AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)
 - 11.13.4 GridPoint Main Business Overview
 - 11.13.5 GridPoint Latest Developments
- 11.14 Stem
 - 11.14.1 Stem Company Information
 - 11.14.2 Stem AI-based Energy Management System (EMS) Product Offered
 - 11.14.3 Stem AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)
 - 11.14.4 Stem Main Business Overview
 - 11.14.5 Stem Latest Developments
- 11.15 Uplight (AutoGrid)
 - 11.15.1 Uplight (AutoGrid) Company Information
 - 11.15.2 Uplight (AutoGrid) AI-based Energy Management System (EMS) Product Offered
 - 11.15.3 Uplight (AutoGrid) AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)
 - 11.15.4 Uplight (AutoGrid) Main Business Overview
 - 11.15.5 Uplight (AutoGrid) Latest Developments

11.16 Enel

11.16.1 Enel Company Information

11.16.2 Enel AI-based Energy Management System (EMS) Product Offered

11.16.3 Enel AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

11.16.4 Enel Main Business Overview

11.16.5 Enel Latest Developments

11.17 GridBeyond

11.17.1 GridBeyond Company Information

11.17.2 GridBeyond AI-based Energy Management System (EMS) Product Offered

11.17.3 GridBeyond AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

11.17.4 GridBeyond Main Business Overview

11.17.5 GridBeyond Latest Developments

11.18 Spacewell Energy

11.18.1 Spacewell Energy Company Information

11.18.2 Spacewell Energy AI-based Energy Management System (EMS) Product Offered

11.18.3 Spacewell Energy AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

11.18.4 Spacewell Energy Main Business Overview

11.18.5 Spacewell Energy Latest Developments

11.19 TPISoftware

11.19.1 TPISoftware Company Information

11.19.2 TPISoftware AI-based Energy Management System (EMS) Product Offered

11.19.3 TPISoftware AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

11.19.4 TPISoftware Main Business Overview

11.19.5 TPISoftware Latest Developments

11.20 Huawei

11.20.1 Huawei Company Information

11.20.2 Huawei AI-based Energy Management System (EMS) Product Offered

11.20.3 Huawei AI-based Energy Management System (EMS) Revenue, Gross Margin and Market Share (2021-2026)

11.20.4 Huawei Main Business Overview

11.20.5 Huawei Latest Developments

12 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. AI-based Energy Management System (EMS) Market Size CAGR by Region (2021 VS 2025 VS 2032) & (\$ millions)

Table 2. AI-based Energy Management System (EMS) Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Cloud-based AI EMS

Table 4. Major Players of On-premise AI EMS

Table 5. AI-based Energy Management System (EMS) Market Size CAGR by Type (2021 VS 2025 VS 2032) & (\$ millions)

Table 6. Global AI-based Energy Management System (EMS) Market Size by Type (2021-2026) & (\$ millions)

Table 7. Global AI-based Energy Management System (EMS) Market Size Market Share by Type (2021-2026)

Table 8. Major Players of Energy Monitoring and Analytics

Table 9. Major Players of Predictive Energy Optimization

Table 10. Major Players of Automated Control

Table 11. Major Players of Carbon and Sustainability

Table 12. Major Players of Other

Table 13. AI-based Energy Management System (EMS) Market Size CAGR by Function (2021 VS 2025 VS 2032) & (\$ millions)

Table 14. Global AI-based Energy Management System (EMS) Market Size by Function (2021-2026) & (\$ millions)

Table 15. Global AI-based Energy Management System (EMS) Market Size Market Share by Function (2021-2026)

Table 16. Major Players of Building AI EMS

Table 17. Major Players of Industrial AI EMS

Table 18. Major Players of Home AI EMS

Table 19. Major Players of Microgrid AI EMS

Table 20. Major Players of Renewable Energy AI EMS

Table 21. AI-based Energy Management System (EMS) Market Size CAGR by End-use Environment (2021 VS 2025 VS 2032) & (\$ millions)

Table 22. Global AI-based Energy Management System (EMS) Market Size by End-use Environment (2021-2026) & (\$ millions)

Table 23. Global AI-based Energy Management System (EMS) Market Size Market Share by End-use Environment (2021-2026)

Table 24. AI-based Energy Management System (EMS) Market Size CAGR by

Application (2021 VS 2025 VS 2032) & (\$ millions)

Table 25. Global AI-based Energy Management System (EMS) Market Size by Application (2021-2026) & (\$ millions)

Table 26. Global AI-based Energy Management System (EMS) Market Size Market Share by Application (2021-2026)

Table 27. Global AI-based Energy Management System (EMS) Revenue by Player (2021-2026) & (\$ millions)

Table 28. Global AI-based Energy Management System (EMS) Revenue Market Share by Player (2021-2026)

Table 29. AI-based Energy Management System (EMS) Key Players Head office and Products Offered

Table 30. AI-based Energy Management System (EMS) Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 31. New Products and Potential Entrants

Table 32. Mergers & Acquisitions, Expansion

Table 33. Global AI-based Energy Management System (EMS) Market Size by Region (2021-2026) & (\$ millions)

Table 34. Global AI-based Energy Management System (EMS) Market Size Market Share by Region (2021-2026)

Table 35. Global AI-based Energy Management System (EMS) Revenue by Country/Region (2021-2026) & (\$ millions)

Table 36. Global AI-based Energy Management System (EMS) Revenue Market Share by Country/Region (2021-2026)

Table 37. Americas AI-based Energy Management System (EMS) Market Size by Country (2021-2026) & (\$ millions)

Table 38. Americas AI-based Energy Management System (EMS) Market Size Market Share by Country (2021-2026)

Table 39. Americas AI-based Energy Management System (EMS) Market Size by Type (2021-2026) & (\$ millions)

Table 40. Americas AI-based Energy Management System (EMS) Market Size Market Share by Type (2021-2026)

Table 41. Americas AI-based Energy Management System (EMS) Market Size by Application (2021-2026) & (\$ millions)

Table 42. Americas AI-based Energy Management System (EMS) Market Size Market Share by Application (2021-2026)

Table 43. APAC AI-based Energy Management System (EMS) Market Size by Region (2021-2026) & (\$ millions)

Table 44. APAC AI-based Energy Management System (EMS) Market Size Market Share by Region (2021-2026)

Table 45. APAC AI-based Energy Management System (EMS) Market Size by Type (2021-2026) & (\$ millions)

Table 46. APAC AI-based Energy Management System (EMS) Market Size by Application (2021-2026) & (\$ millions)

Table 47. Europe AI-based Energy Management System (EMS) Market Size by Country (2021-2026) & (\$ millions)

Table 48. Europe AI-based Energy Management System (EMS) Market Size Market Share by Country (2021-2026)

Table 49. Europe AI-based Energy Management System (EMS) Market Size by Type (2021-2026) & (\$ millions)

Table 50. Europe AI-based Energy Management System (EMS) Market Size by Application (2021-2026) & (\$ millions)

Table 51. Middle East & Africa AI-based Energy Management System (EMS) Market Size by Region (2021-2026) & (\$ millions)

Table 52. Middle East & Africa AI-based Energy Management System (EMS) Market Size by Type (2021-2026) & (\$ millions)

Table 53. Middle East & Africa AI-based Energy Management System (EMS) Market Size by Application (2021-2026) & (\$ millions)

Table 54. Key Market Drivers & Growth Opportunities of AI-based Energy Management System (EMS)

Table 55. Key Market Challenges & Risks of AI-based Energy Management System (EMS)

Table 56. Key Industry Trends of AI-based Energy Management System (EMS)

Table 57. Global AI-based Energy Management System (EMS) Market Size Forecast by Region (2027-2032) & (\$ millions)

Table 58. Global AI-based Energy Management System (EMS) Market Size Market Share Forecast by Region (2027-2032)

Table 59. Global AI-based Energy Management System (EMS) Market Size Forecast by Type (2027-2032) & (\$ millions)

Table 60. Global AI-based Energy Management System (EMS) Market Size Forecast by Application (2027-2032) & (\$ millions)

Table 61. Schneider Electric Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 62. Schneider Electric AI-based Energy Management System (EMS) Product Offered

Table 63. Schneider Electric AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 64. Schneider Electric Main Business

Table 65. Schneider Electric Latest Developments

Table 66. Siemens Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 67. Siemens AI-based Energy Management System (EMS) Product Offered

Table 68. Siemens AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 69. Siemens Main Business

Table 70. Siemens Latest Developments

Table 71. Honeywell Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 72. Honeywell AI-based Energy Management System (EMS) Product Offered

Table 73. Honeywell AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 74. Honeywell Main Business

Table 75. Honeywell Latest Developments

Table 76. ABB Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 77. ABB AI-based Energy Management System (EMS) Product Offered

Table 78. ABB AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 79. ABB Main Business

Table 80. ABB Latest Developments

Table 81. Johnson Controls Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 82. Johnson Controls AI-based Energy Management System (EMS) Product Offered

Table 83. Johnson Controls AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 84. Johnson Controls Main Business

Table 85. Johnson Controls Latest Developments

Table 86. Carrier Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 87. Carrier AI-based Energy Management System (EMS) Product Offered

Table 88. Carrier AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 89. Carrier Main Business

Table 90. Carrier Latest Developments

Table 91. Trane Technologies Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 92. Trane Technologies AI-based Energy Management System (EMS) Product

Offered

Table 93. Trane Technologies AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 94. Trane Technologies Main Business

Table 95. Trane Technologies Latest Developments

Table 96. Delta Electronics Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 97. Delta Electronics AI-based Energy Management System (EMS) Product Offered

Table 98. Delta Electronics AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 99. Delta Electronics Main Business

Table 100. Delta Electronics Latest Developments

Table 101. Eaton Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 102. Eaton AI-based Energy Management System (EMS) Product Offered

Table 103. Eaton AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 104. Eaton Main Business

Table 105. Eaton Latest Developments

Table 106. Emerson Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 107. Emerson AI-based Energy Management System (EMS) Product Offered

Table 108. Emerson AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 109. Emerson Main Business

Table 110. Emerson Latest Developments

Table 111. C3 AI Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 112. C3 AI AI-based Energy Management System (EMS) Product Offered

Table 113. C3 AI AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 114. C3 AI Main Business

Table 115. C3 AI Latest Developments

Table 116. Trane (BrainBox AI) Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 117. Trane (BrainBox AI) AI-based Energy Management System (EMS) Product Offered

Table 118. Trane (BrainBox AI) AI-based Energy Management System (EMS) Revenue

(\$ million), Gross Margin and Market Share (2021-2026)

Table 119. Trane (BrainBox AI) Main Business

Table 120. Trane (BrainBox AI) Latest Developments

Table 121. GridPoint Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 122. GridPoint AI-based Energy Management System (EMS) Product Offered

Table 123. GridPoint AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 124. GridPoint Main Business

Table 125. GridPoint Latest Developments

Table 126. Stem Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 127. Stem AI-based Energy Management System (EMS) Product Offered

Table 128. Stem AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 129. Stem Main Business

Table 130. Stem Latest Developments

Table 131. Uplight (AutoGrid) Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 132. Uplight (AutoGrid) AI-based Energy Management System (EMS) Product Offered

Table 133. Uplight (AutoGrid) AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 134. Uplight (AutoGrid) Main Business

Table 135. Uplight (AutoGrid) Latest Developments

Table 136. Enel Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 137. Enel AI-based Energy Management System (EMS) Product Offered

Table 138. Enel AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 139. Enel Main Business

Table 140. Enel Latest Developments

Table 141. GridBeyond Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 142. GridBeyond AI-based Energy Management System (EMS) Product Offered

Table 143. GridBeyond AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 144. GridBeyond Main Business

Table 145. GridBeyond Latest Developments

Table 146. Spacewell Energy Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 147. Spacewell Energy AI-based Energy Management System (EMS) Product Offered

Table 148. Spacewell Energy AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 149. Spacewell Energy Main Business

Table 150. Spacewell Energy Latest Developments

Table 151. TPIsoftware Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 152. TPIsoftware AI-based Energy Management System (EMS) Product Offered

Table 153. TPIsoftware AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 154. TPIsoftware Main Business

Table 155. TPIsoftware Latest Developments

Table 156. Huawei Details, Company Type, AI-based Energy Management System (EMS) Area Served and Its Competitors

Table 157. Huawei AI-based Energy Management System (EMS) Product Offered

Table 158. Huawei AI-based Energy Management System (EMS) Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 159. Huawei Main Business

Table 160. Huawei Latest Developments

List Of Figures

LIST OF FIGURES

Figure 1. AI-based Energy Management System (EMS) Report Years Considered

Figure 2. Research Objectives

Figure 3. Research Methodology

Figure 4. Research Process and Data Source

Figure 5. Global AI-based Energy Management System (EMS) Market Size Growth Rate (2021-2032) (\$ millions)

Figure 6. AI-based Energy Management System (EMS) Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Figure 7. AI-based Energy Management System (EMS) Sales Market Share by Country/Region (2025)

Figure 8. AI-based Energy Management System (EMS) Sales Market Share by Country/Region (2021, 2025 & 2032)

Figure 9. Global AI-based Energy Management System (EMS) Market Size Market Share by Type in 2025

Figure 10. Global AI-based Energy Management System (EMS) Market Size Market Share by Function in 2025

Figure 11. Global AI-based Energy Management System (EMS) Market Size Market Share by End-use Environment in 2025

Figure 12. AI-based Energy Management System (EMS) in Commercial Buildings

Figure 13. Global AI-based Energy Management System (EMS) Market: Commercial Buildings (2021-2026) & (\$ millions)

Figure 14. AI-based Energy Management System (EMS) in Industrial Manufacturing

Figure 15. Global AI-based Energy Management System (EMS) Market: Industrial Manufacturing (2021-2026) & (\$ millions)

Figure 16. AI-based Energy Management System (EMS) in Utilities and Grid Operators

Figure 17. Global AI-based Energy Management System (EMS) Market: Utilities and Grid Operators (2021-2026) & (\$ millions)

Figure 18. AI-based Energy Management System (EMS) in Data Centers

Figure 19. Global AI-based Energy Management System (EMS) Market: Data Centers (2021-2026) & (\$ millions)

Figure 20. AI-based Energy Management System (EMS) in Other

Figure 21. Global AI-based Energy Management System (EMS) Market: Other (2021-2026) & (\$ millions)

Figure 22. Global AI-based Energy Management System (EMS) Market Size Market Share by Application in 2025

Figure 23. Global AI-based Energy Management System (EMS) Revenue Market Share by Player in 2025

Figure 24. Global AI-based Energy Management System (EMS) Market Size Market Share by Region (2021-2026)

Figure 25. Americas AI-based Energy Management System (EMS) Market Size 2021-2026 (\$ millions)

Figure 26. APAC AI-based Energy Management System (EMS) Market Size 2021-2026 (\$ millions)

Figure 27. Europe AI-based Energy Management System (EMS) Market Size 2021-2026 (\$ millions)

Figure 28. Middle East & Africa AI-based Energy Management System (EMS) Market Size 2021-2026 (\$ millions)

Figure 29. Americas AI-based Energy Management System (EMS) Value Market Share by Country in 2025

Figure 30. United States AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 31. Canada AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 32. Mexico AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 33. Brazil AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 34. APAC AI-based Energy Management System (EMS) Market Size Market Share by Region in 2025

Figure 35. APAC AI-based Energy Management System (EMS) Market Size Market Share by Type (2021-2026)

Figure 36. APAC AI-based Energy Management System (EMS) Market Size Market Share by Application (2021-2026)

Figure 37. China AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 38. Japan AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 39. South Korea AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 40. Southeast Asia AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 41. India AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 42. Australia AI-based Energy Management System (EMS) Market Size Growth

2021-2026 (\$ millions)

Figure 43. Europe AI-based Energy Management System (EMS) Market Size Market Share by Country in 2025

Figure 44. Europe AI-based Energy Management System (EMS) Market Size Market Share by Type (2021-2026)

Figure 45. Europe AI-based Energy Management System (EMS) Market Size Market Share by Application (2021-2026)

Figure 46. Germany AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 47. France AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 48. UK AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 49. Italy AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 50. Russia AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 51. Middle East & Africa AI-based Energy Management System (EMS) Market Size Market Share by Region (2021-2026)

Figure 52. Middle East & Africa AI-based Energy Management System (EMS) Market Size Market Share by Type (2021-2026)

Figure 53. Middle East & Africa AI-based Energy Management System (EMS) Market Size Market Share by Application (2021-2026)

Figure 54. Egypt AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 55. South Africa AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 56. Israel AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 57. Turkey AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 58. GCC Countries AI-based Energy Management System (EMS) Market Size Growth 2021-2026 (\$ millions)

Figure 59. Americas AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 60. APAC AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 61. Europe AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 62. Middle East & Africa AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 63. United States AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 64. Canada AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 65. Mexico AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 66. Brazil AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 67. China AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 68. Japan AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 69. Korea AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 70. Southeast Asia AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 71. India AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 72. Australia AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 73. Germany AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 74. France AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 75. UK AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 76. Italy AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 77. Russia AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 78. Egypt AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 79. South Africa AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 80. Israel AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

Figure 81. Turkey AI-based Energy Management System (EMS) Market Size

2027-2032 (\$ millions)

Figure 82. Global AI-based Energy Management System (EMS) Market Size Market Share Forecast by Type (2027-2032)

Figure 83. Global AI-based Energy Management System (EMS) Market Size Market Share Forecast by Application (2027-2032)

Figure 84. GCC Countries AI-based Energy Management System (EMS) Market Size 2027-2032 (\$ millions)

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