

Asia Pacific Energy Management System Market Size and Forecast (2021 - 2031), Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Component (Hardware, Software, and Services), System Type (Industrial Energy Management System, Building Energy Management System, and Home Energy Management System), and End-Use Industry (Energy and Utilities, Manufacturing, Telecom and IT, Residential and Commercial, and Other End-Use Industries)

<https://marketpublishers.com/r/A1ACF0779359EN.html>

Date: November 2025

Pages: 179

Price: US\$ 3,450.00 (Single User License)

ID: A1ACF0779359EN

Abstracts

The Asia Pacific Energy Management System (EMS) Market is projected to grow significantly, reaching an estimated US\$ 26,997.2 million by 2031, up from US\$ 11,909.7 million in 2024. This growth represents a compound annual growth rate (CAGR) of 12.4% from 2024 to 2031.

Executive Summary and Market Analysis

The energy management systems market in the Asia Pacific region is divided into several key countries, including Australia, South Korea, India, China, Japan, and the Rest of Asia Pacific. Rapidly developing economies such as India and China, along with other Southeast Asian nations like Thailand, Vietnam, Singapore, Taiwan, and New Zealand, are increasingly adopting advanced manufacturing technologies. This trend is driven by the growing automation and digitalization in manufacturing processes, which is expected to enhance the demand for energy optimization solutions during the

forecast period.

The automotive sector is also a significant contributor to the demand for energy management systems. Countries like China, India, Australia, Japan, and South Korea have seen an average increase of 13% in vehicle production from 2022 to 2023, according to the Organization Internationale des Constructeurs d'Automobiles (OICA). This surge in vehicle production is anticipated to escalate electricity demand, thereby increasing the need for energy management systems to optimize energy consumption.

Strategic Insights

Market Segmentation

The Asia Pacific EMS market is categorized by several factors:

By Component: The market is segmented into Hardware, Software, and Services, with Hardware holding the largest market share in 2024.

By System Type: The market includes Industrial Energy Management Systems, Building Energy Management Systems, and Home Energy Management Systems, where Industrial Energy Management Systems dominate.

By End-Use Industry: The sectors include Energy and Utilities, Manufacturing, Telecom and IT, Residential and Commercial, among others, with Manufacturing leading the market share in 2024.

Energy management systems are increasingly being adopted across various industries, including manufacturing, automotive, telecom & IT, and residential & commercial sectors. Smart Energy Management Systems (SEMS) utilize Internet of Things (IoT) technology to monitor, measure, control, and optimize energy consumption in buildings and facilities, thereby enhancing energy efficiency.

Government initiatives and private sector efforts aimed at energy conservation and sustainability are further driving the adoption of energy management systems. Companies are increasingly focusing on product development, mergers, partnerships, and collaborations to enhance their offerings. Notable developments in the market include:

Siemens Smart Infrastructure and Emporia launched the “Inhab Energy Monitor” in May 2024, aimed at reducing home energy consumption through continuous monitoring.

Powerley introduced Powerlay Live in April 2024, enabling utilities to create virtual power plants at the household level, allowing customers to monitor appliance usage and improve load forecasting.

SmartThings collaborated with Eve Systems in April 2023 to enhance home energy management through advanced device monitoring.

ABB and Lumin launched the ReliaHome smart panel in June 2024, designed for residential energy management, integrating solar, battery, and electric vehicle charger controls.

Country Insights

The Asia Pacific EMS market is further analyzed by country, with China holding the largest market share in 2024. Key industries in China, such as medical device manufacturing, electronics, steel production, and automotive manufacturing, are significant drivers of market growth. These sectors have a high electricity demand, necessitating efficient energy management systems.

According to the World Steel Association, China was the leading steel producer globally in 2023, with an output of 1,019.1 million tonnes. Major players in the steel industry, including Jianglong Group and China Baowu Group, are contributing to the increased demand for energy management systems as they seek to optimize energy use in their operations.

Additionally, the China Association of Automobile Manufacturers reported an 11.6% increase in automobile production from 2022 to 2023, with 30.16 million units produced. This growth in vehicle production and sales, particularly in passenger vehicles, is expected to further drive electricity consumption and the corresponding demand for energy management systems.

Company Profiles

Key players in the EMS market include IBM Corp, ABB Ltd, Schneider Electric SE,

Emerson Electric Co, General Electric Co, Honeywell International Inc, Siemens AG, Eaton Corporation plc, Mitsubishi Electric Corp, and Johnson Controls International Plc. These companies are actively pursuing strategies such as expansion, product innovation, and mergers and acquisitions to enhance their market presence and offer innovative solutions to their customers.

Contents

1. INTRODUCTION

- 1.1 Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Secondary Research
- 3.2 Primary Research
 - 3.2.1 Hypothesis formulation:
 - 3.2.2 Macroeconomic factor analysis:
 - 3.2.3 Developing base number:
 - 3.2.4 Data Triangulation:
 - 3.2.5 Country-level data:

4. ENERGY MANAGEMENT SYSTEM MARKET LANDSCAPE

- 4.1 Market Overview
- 4.2 PEST Analysis
- 4.3 Ecosystem Analysis
 - 4.3.1 List of Vendors in the Value Chain

5. ASIA PACIFIC ENERGY MANAGEMENT SYSTEM MARKET - KEY MARKET DYNAMICS

- 5.1 Market Drivers
- 5.2 Market Restraints
- 5.3 Market Opportunities
- 5.4 Future Trends
- 5.5 Impact of Drivers and Restraints:

6. ENERGY MANAGEMENT SYSTEM MARKET - ASIA PACIFIC MARKET

ANALYSIS

6.1 Asia Pacific Energy Management System Market Revenue (US\$ Million), 2024 - 2031

6.2 Asia Pacific Energy Management System Market Forecast and Analysis

7. ASIA PACIFIC ENERGY MANAGEMENT SYSTEM MARKET REVENUE ANALYSIS - BY COMPONENT

7.1 Hardware

7.1.1 Overview

7.1.2 Hardware: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

7.2 Software

7.2.1 Overview

7.2.2 Software: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

7.3 Services

7.3.1 Overview

7.3.2 Services: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

8. ASIA PACIFIC ENERGY MANAGEMENT SYSTEM MARKET REVENUE ANALYSIS - BY SYSTEM TYPE

8.1 Industrial Energy Management System

8.1.1 Overview

8.1.2 Industrial Energy Management System: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

8.2 Building Energy Management System

8.2.1 Overview

8.2.2 Building Energy Management System: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

8.3 Home Energy Management System

8.3.1 Overview

8.3.2 Home Energy Management System: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9. ASIA PACIFIC ENERGY MANAGEMENT SYSTEM MARKET REVENUE

ANALYSIS - BY END USE INDUSTRY

9.1 Energy and Utilities

9.1.1 Overview

9.1.2 Energy and Utilities: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9.2 Manufacturing

9.2.1 Overview

9.2.2 Manufacturing: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9.3 Telecom and IT

9.3.1 Overview

9.3.2 Telecom and IT: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9.4 Residential and Commercial

9.4.1 Overview

9.4.2 Residential and Commercial: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9.5 Others

9.5.1 Overview

9.5.2 Others: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10. ASIA PACIFIC ENERGY MANAGEMENT SYSTEM MARKET - COUNTRY ANALYSIS

10.1 Asia Pacific

10.1.1 Asia Pacific Energy Management System Market Revenue and Forecast and Analysis - by Country

10.1.1.1 Asia Pacific Energy Management System Market Revenue and Forecast and Analysis - by Country

10.1.2.2 China: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.1.2.2.1 China: Asia Pacific Energy Management System Market Share - by Component

10.1.2.2.2 China: Asia Pacific Energy Management System Market Share - by System Type

10.1.2.2.3 China: Asia Pacific Energy Management System Market Share - by End Use Industry

10.2.3.3 Japan: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.2.3.3.1 Japan: Asia Pacific Energy Management System Market Share - by Component

10.2.3.3.2 Japan: Asia Pacific Energy Management System Market Share - by System Type

10.2.3.3.3 Japan: Asia Pacific Energy Management System Market Share - by End Use Industry

10.3.4.4 South Korea: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.3.4.4.1 South Korea: Asia Pacific Energy Management System Market Share - by Component

10.3.4.4.2 South Korea: Asia Pacific Energy Management System Market Share - by System Type

10.3.4.4.3 South Korea: Asia Pacific Energy Management System Market Share - by End Use Industry

10.4.5.5 India: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.4.5.5.1 India: Asia Pacific Energy Management System Market Share - by Component

10.4.5.5.2 India: Asia Pacific Energy Management System Market Share - by System Type

10.4.5.5.3 India: Asia Pacific Energy Management System Market Share - by End Use Industry

10.5.6.6 Australia: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.5.6.6.1 Australia: Asia Pacific Energy Management System Market Share - by Component

10.5.6.6.2 Australia: Asia Pacific Energy Management System Market Share - by System Type

10.5.6.6.3 Australia: Asia Pacific Energy Management System Market Share - by End Use Industry

10.6.7.7 Rest of APAC: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.6.7.7.1 Rest of APAC: Asia Pacific Energy Management System Market Share - by Component

10.6.7.7.2 Rest of APAC: Asia Pacific Energy Management System Market Share - by System Type

10.6.7.7.3 Rest of APAC: Asia Pacific Energy Management System Market Share -

by End Use Industry

11 COMPETITIVE LANDSCAPE

- 11.1 Heat Map Analysis by Key Players
- 11.2 Company Positioning & Concentration

12 INDUSTRY LANDSCAPE

- 12.1 Overview
- 12.2 New Product Development
- 12.3 Merger and Acquisition
- 12.4 Other Strategic Developments

13 COMPANY PROFILES

- 13.1 International Business Machines Corp
 - 13.1.1 Key Facts
 - 13.1.2 Business Description
 - 13.1.3 Products and Services
 - 13.1.4 Financial Overview
 - 13.1.5 SWOT Analysis
 - 13.1.6 Key Developments
- 13.2 ABB Ltd
 - 13.2.1 Key Facts
 - 13.2.2 Business Description
 - 13.2.3 Products and Services
 - 13.2.4 Financial Overview
 - 13.2.5 SWOT Analysis
 - 13.2.6 Key Developments
- 13.3 Schneider Electric SE
 - 13.3.1 Key Facts
 - 13.3.2 Business Description
 - 13.3.3 Products and Services
 - 13.3.4 Financial Overview
 - 13.3.5 SWOT Analysis
 - 13.3.6 Key Developments
- 13.4 Emerson Electric Co
 - 13.4.1 Key Facts

- 13.4.2 Business Description
- 13.4.3 Products and Services
- 13.4.4 Financial Overview
- 13.4.5 SWOT Analysis
- 13.4.6 Key Developments
- 13.5 General Electric Co
 - 13.5.1 Key Facts
 - 13.5.2 Business Description
 - 13.5.3 Products and Services
 - 13.5.4 Financial Overview
 - 13.5.5 SWOT Analysis
 - 13.5.6 Key Developments
- 13.6 Honeywell International Inc
 - 13.6.1 Key Facts
 - 13.6.2 Business Description
 - 13.6.3 Products and Services
 - 13.6.4 Financial Overview
 - 13.6.5 SWOT Analysis
 - 13.6.6 Key Developments
- 13.7 Siemens AG
 - 13.7.1 Key Facts
 - 13.7.2 Business Description
 - 13.7.3 Products and Services
 - 13.7.4 Financial Overview
 - 13.7.5 SWOT Analysis
 - 13.7.6 Key Developments
- 13.8 Eaton Corporation plc
 - 13.8.1 Key Facts
 - 13.8.2 Business Description
 - 13.8.3 Products and Services
 - 13.8.4 Financial Overview
 - 13.8.5 SWOT Analysis
 - 13.8.6 Key Developments
- 13.9 Mitsubishi Electric Corp
 - 13.9.1 Key Facts
 - 13.9.2 Business Description
 - 13.9.3 Products and Services
 - 13.9.4 Financial Overview
 - 13.9.5 SWOT Analysis

13.9.6 Key Developments

13.10 Johnson Controls International Plc

13.10.1 Key Facts

13.10.2 Business Description

13.10.3 Products and Services

13.10.4 Financial Overview

13.10.5 SWOT Analysis

13.10.6 Key Developments

14. APPENDIX

14.1 About The Insight Partners

List Of Tables

LIST OF TABLES

Table 1. Asia Pacific Energy Management System Market Segmentation

Table 2. List of Vendors

Table 3. Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Table 4. Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Component

Table 5. Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by System Type

Table 6. Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End Use Industry

Table 7. Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Country

Table 8. China: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Component

Table 9. China: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by System Type

Table 10. China: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End Use Industry

Table 11. Japan: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Component

Table 12. Japan: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by System Type

Table 13. Japan: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End Use Industry

Table 14. South Korea: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Component

Table 15. South Korea: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by System Type

Table 16. South Korea: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End Use Industry

Table 17. India: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Component

Table 18. India: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by System Type

Table 19. India: Asia Pacific Energy Management System Market - Revenue and

Forecast, 2021 - 2031 (US\$ Million) - by End Use Industry

Table 20. Australia: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Component

Table 21. Australia: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by System Type

Table 22. Australia: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End Use Industry

Table 23. Rest of APAC: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Component

Table 24. Rest of APAC: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by System Type

Table 25. Rest of APAC: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End Use Industry

Table 26. Heat Map Analysis by Key Players

List Of Figures

LIST OF FIGURES

Figure 1. Asia Pacific Energy Management System Market Segmentation - Country

Figure 2. PEST Analysis

Figure 3. Ecosystem: Energy Management System Market

Figure 4. Asia Pacific Energy Management System Market - Key Market Dynamics

Figure 5. Impact Analysis of Drivers and Restraints

Figure 6. Asia Pacific Energy Management System Market Revenue (US\$ Million), 2024 - 2031

Figure 7. Asia Pacific Energy Management System Market Share (%) - by Component, 2024 and 2031

Figure 8. Hardware: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 9. Software: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 10. Services: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 11. Asia Pacific Energy Management System Market Share (%) - by System Type, 2024 and 2031

Figure 12. Industrial Energy Management System: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 13. Building Energy Management System: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 14. Home Energy Management System: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 15. Asia Pacific Energy Management System Market Share (%) - by End Use Industry, 2024 and 2031

Figure 16. Energy and Utilities: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 17. Manufacturing: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 18. Telecom and IT: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 19. Residential and Commercial: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 20. Others: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 21. Asia Pacific Energy Management System Market Breakdown by Key Countries, 2024 and 2031 (%)

Figure 22. China: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 23. Japan: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 24. South Korea: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 25. India: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 26. Australia: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 27. Rest of APAC: Asia Pacific Energy Management System Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 28. Company Positioning & Concentration

I would like to order

Product name: Asia Pacific Energy Management System Market Size and Forecast (2021 - 2031), Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Component (Hardware, Software, and Services), System Type (Industrial Energy Management System, Building Energy Management System, and Home Energy Management System), and End-Use Industry (Energy and Utilities, Manufacturing, Telecom and IT, Residential and Commercial, and Other End-Use Industries)

Product link: <https://marketpublishers.com/r/A1ACF0779359EN.html>

Price: US\$ 3,450.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A1ACF0779359EN.html>