

Industrial Energy Management System (IEMS): Market Research Report

https://marketpublishers.com/r/IAE9C2B5FFDEN.html

Date: December 2018

Pages: 280

Price: US\$ 5,600.00 (Single User License)

ID: IAE9C2B5FFDEN

Abstracts

This report analyzes the worldwide markets for Industrial Energy Management System (IEMS) in US\$ Million. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America.

Annual estimates and forecasts are provided for the period 2015 through 2024.

Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs.

The report profiles 75 companies including many key and niche players such as -

ABB Ltd.

AECOM

ARCHIBUS, Inc.

Autodesk, Inc.

C3 Energy

Cascade Energy Inc.



Contents

I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations
Disclaimers
Data Interpretation & Reporting Level
Quantitative Techniques & Analytics
Product Definition and Scope of Study

II. EXECUTIVE SUMMARY

1. INDUSTRY OVERVIEW

Energy Management: A Curtain Raiser
Industrial Energy Management Systems (IEMSs): An Introductory Prelude
Future Prospects Remain Optimistic
Sustained Emphasis on Industrial Automation Instigates Massive Momentum

Table 1. Global Industrial Automation Market by Segment (2017E): Percentage Breakdown of Investments for Factory Automation and Process Automation (includes corresponding Graph/Chart)

Table 2. Global Industrial Automation Market by Sector (2017E): Percentage Value Breakdown of Investments for Automotive, Chemical, Food Processing, Oil & Gas, Packaging, Pharmaceuticals, Plastic Manufacturing, Power, Textile and Others (includes corresponding Graph/Chart)

Table 3. Global Robotics Market by Country/Region (2017E): Percentage Breakdown of Investments for China, Japan, US, Western Europe, and Rest of World (includes corresponding Graph/Chart)

Developed Regions Remain Primary Revenue Contributors

Table 4. Developed Regions Dominate the World IEMSs Market: Percentage Breakdown of Revenues for Developed Regions and Developing Regions (2017E & 2024P) (includes corresponding Graph/Chart)



Developing Regions: Hot Spots for Future Growth

Table 5. World IEMSs Market - Geographic Regions Ranked by % CAGR (Revenues) for 2015-2024: Asia-Pacific, Middle East & Africa, Latin America, Europe, US, Canada, and Japan (includes corresponding Graph/Chart)

Stable Economic Scenario to Offer Growth Opportunities

Table 6. World Real GDP Growth Rates in % (2016-2018P): Breakdown by Country/Region (includes corresponding Graph/Chart)

Competitive Landscape

2. GROWTH DRIVERS & MARKET TRENDS

Spiraling Energy Costs Put Focus on IEMS

Table 7. Projected Global Demand for Primary Energy (Mtoe) and Electricity (MWh): 2015, 2020, 2025, 2030 & 2035 (includes corresponding Graph/Chart)

Table 8. Estimated Global Power Generation Infrastructure Requirement (in US\$ Billion) for China, India, Latin America, and North America over the Period 2010-2030 (includes corresponding Graph/Chart)

Table 9. World Energy Efficiency Technologies Market by End-Use Sector (2017E): Percentage Breakdown of Revenues for Buildings, Industrial, Transport, and Others (includes corresponding Graph/Chart)

New Regulations to Curb Carbon Emissions Fuel IEMS Deployments
Regulatory Tools for Implementing Industrial Energy Efficiency
Energy Audits
Voluntary Agreements
Energy Efficiency Obligation
Information and Campaign
Standards and Certifications



ISO 50001:2011

Table 10. Top Ten Countries with Total Number of ISO 50001 Certifications (2016) (includes corresponding Graph/Chart)

Surging Importance of Smart Industry to Drive Adoption of IEMS
Industry 4. 0 Set to Accelerate Market Adoption
A Glimpse of First, Second, Third & Fourth Industrial Revolutions
IEMS – A Priority for Energy Intensive Industries (EIIs) to Remain Competitive
Standardized and Certified IEMS Key to Realizing Multifarious Energy-related & Nonenergy Benefits

IEMS Assumes Critical Importance in Rollout of Smart Grids

Table 11. Global Smart Grid Investments by Country (2016): Percentage Breakdown of Investments for China, US, and Others (includes corresponding Graph/Chart)

Global Deployment of Smart Meters Lays Foundation for IEMS Adoption

Table 12. Global Smart Electricity Meters Market by Geographic Region (2017E & 2020P): Percentage Breakdown of Installed Base for US, Canada, Japan, Europe, Asia-Pacific, Middle East and Latin America (includes corresponding Graph/Chart)

Table 13. Global Smart Electricity Meters Market - Geographic Regions Ranked by % CAGR (Cumulative Installed Base) for 2013-2020: Japan, Asia-Pacific, Europe, Latin America, Middle East, US and Canada (includes corresponding Graph/Chart)

Table 14. Global Electricity Meters Market by Type (2013, 2015 & 2017E): Demand (in Million Units) for Two-Way Smart Meters, One-Way Smart Meters, and Non-Smart Meters (includes corresponding Graph/Chart)

Table 15. Global Smart Electricity Meters Market by Application Sector (2017E): Percentage Breakdown of Unit Deployments for Commercial, Industrial and Residential (includes corresponding Graph/Chart)

Internet of Things (IoT) and Machine to Machine (M2M) Technologies to Revolutionize IEMS Market



Steady Recovery in Global Manufacturing PMI to Bolster Prospects for IEMSs

Table 16. Global Manufacturing PMI: Monthly Index Points for the Period December 2016 to November 2017 (includes corresponding Graph/Chart)

IEMS Software Gains Precedence in Energy Saving Initiatives of Industrial Enterprises Cloud-based IEMaaS Set to Proliferate the Market Services Assume Importance in End-to-End IEMS Strategy

3. PRODUCT OVERVIEW

Industrial Energy Management System (IEMS)
Components of IEMS
Central Computer System
Remote Meters
Sensors
Energy Management Software

4. PRODUCT INTRODUCTIONS

GridPoint Rolls Out GridPoint Energy Manager Mobile 3.

Panasonic and Schneider Electric Unveil New Building Management Platform
GridPoint Unveils Newly Designed User Interface to GridPoint Energy Manager
Osram Sylvania Unveils Encelium Wireless EMS
Emerson Introduces Energy Advisor EMS

5. RECENT INDUSTRY ACTIVITY

EnerNOC Partners with Brookfield Global Integrated Solutions
Trane Establishes New Facility in Northeast Ohio
Honeywell Bags Major Energy Management Project from Coop Denmark
Enel Green Power North America Acquires EnerNOC
GridPoint Collaborates with Bell
Siemens Collaborates with Bentley Systems
GE Energy Connections Inaugurates New Redhill Grid Automation Manufacturing
Facility
EnerNOC Inaugurates New European Headquarters in Dublin

EnerNOC Inaugurates New European Headquarters in Dublin
GE Energy Connections Inks Maintenance Contract with ArcelorMittal Tubarão



EnerNOC to Foray into Mexico

GridPoint Partners with Correlate

Energy Management Collaborative Joins GridPoint's Reseller Partner Network

CONSOL Energy Expands Existing Collaboration with EnerNOC

EnerNOC to Restructure EIS Business

Lightapp Technologies Receives Research Grant from CEC

GridPoint Appoints Axiom Energy Solutions as Channel Partner

EnTouch Controls Signs Partnership Deal with EnerNOC

Sysco Renews Contract with Cascade

Lineage Logistics Collaborates with Cascade

CBRE Group Takes Over Environmental Systems

Twenty First Century Utilities Acquires GridPoint

Ecova Acquires Retroficiency

Acuity Brands to Acquire Distech Controls

Caverion Takes Over Esco Norway

Direct Energy Acquires Panoramic Power

EnerNOC Acquires World Energy Solutions

REGEN Energy Inks Strategic Partnership with Ayla Networks

Quatrro Signs Strategic Partnership with GridPoint

EnerNOC Inks Partnership with GridPoint

6. FOCUS ON SELECT PLAYERS

ABB Ltd. (Switzerland)

AECOM (USA)

ARCHIBUS, Inc. (USA)

Autodesk, Inc. (USA)

C3 Energy (USA)

Cascade Energy Inc. (USA)

Cypress Envirosystems (USA)

Eaton Corporation Plc (Ireland)

Emerson Electric Company (USA)

ENERGYai (USA)

EnerNOC, Inc. (USA)

General Electric Company (USA)

GridPoint, Inc. (USA)

Honeywell International Inc. (USA)



IBM Corporation (USA)
Lightapp Technologies (Israel)
Mitsubishi Electric Corporation (Japan)
Opto22 (USA)
Panoramic Power (USA)
Rockwell Automation, Inc. (USA)
SAP SE (Germany)
Schneider Electric SE (France)
Setpoint Systems Corporation (USA)

7. GLOBAL MARKET PERSPECTIVE

Siemens AG (Germany)

Trane Inc. (USA)

Table 17. World Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America Markets Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

Table 18. World 10-Year Perspective for Industrial Energy Management System (IEMS) by Geographic Region - Percentage Share Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America Markets for Years 2015, 2017 and 2024 (includes corresponding Graph/Chart)

III. MARKET

1. THE UNITED STATES

A. Market Analysis
The Prime Market
Outlook Remains Optimistic
Emphasis on Smart Manufacturing Widens Market Prospects
Rising Industrial Energy Consumption Amid Shale Gas Boom Bodes Well
Key Statistics

Table 19. Energy Demand in North America by End-Use Sectors (2010 & 2020P):



Percentage Breakdown of Energy Demand for Industrial, Residential & Commercial, and Transportation (includes corresponding Graph/Chart)

Table 20. Energy Consumption in the US by End-Use Sector (2016): Percentage Breakdown of Energy Consumption for Commercial, Industrial, Residential, and Transportation (includes corresponding Graph/Chart)

Table 21. Energy Consumption in the US Manufacturing Sector by Industry Type (2016): Percentage Breakdown of Energy Consumption for Chemicals, Food & Beverages, Paper & Pulp, Primary Metals, Petroleum Refining, and Others (includes corresponding Graph/Chart)

Table 22. US Industrial Sector (2016): Percentage Breakdown of Primary and Feedstock Energy Consumption and GDP Contribution by Sub-Sector (includes corresponding Graph/Chart)

Table 23. Current Energy Savings Opportunity in US Chemicals Industry by Sub-Sector (2016): Percentage Breakdown of Energy Savings Opportunities for Ethyl Alcohol, Industrial Gases, Nitrogenous Fertilizers, Petrochemicals, Plastic Materials & Reserves, Other Basic Organic Chemicals, and Others (includes corresponding Graph/Chart)

Product Launches
Strategic Corporate Developments
Select Key Players
B. Market Analytics

Table 24. US Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

2. CANADA

A. Market AnalysisProduct LaunchStrategic Corporate DevelopmentB. Market Analytics



Table 25. Canadian Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

3. JAPAN

A. Market Analysis

IEMS Aims to Expand Footprint in the Sprawling Japanese Industrial Sector Japanese Government Implements Mandatory EMS Program for Industries Key Player

B. Market Analytics

Table 26. Japanese Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

4. EUROPE

A. Market Analysis
Largest Regional Market
IEMS Addresses Urgent Need for Improving Competitiveness of European
Manufacturers
Market to Benefit from EU's Energy Efficiency Directive

Table 27. Energy Demand in Europe by End-Use Sector (2010 & 2020P): Percentage Breakdown of Energy Demand for Industrial, Residential & Commercial, and Transportation (includes corresponding Graph/Chart)

B. Market Analytics

Table 28. European Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) by Geographic Region - France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)



Table 29. European 10-Year Perspective for Industrial Energy Management System (IEMS) by Geographic Region - Percentage Share Breakdown of Dollar Sales for France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets for Years 2015, 2017 and 2024 (includes corresponding Graph/Chart)

4A. FRANCE

A. Market AnalysisKey PlayerB. Market Analytics

Table 30. French Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

4B. GERMANY

A. Market Analysis
IEMS Adoption Critical for German Industrial Sector to Offset High Energy Prices
Product Launch
Strategic Corporate Development
Select Key Players
B. Market Analytics

Table 31. German Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

4C. ITALY

Market Analysis

Table 32. Italian Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)



4D. THE UNITED KINGDOM

A. Market Analysis

Relevance of IEMS Increases for UK EIIs Burdened by High Energy Costs

Table 33. Energy Consumption in the UK by Sector (2016): Percentage Breakdown of Energy Consumption for Domestic, Industry, Transport, and Others (includes corresponding Graph/Chart)

Strategic Corporate Development B. Market Analytics

Table 34. UK Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

4E. SPAIN

Market Analysis

Table 35. Spanish Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

4F. RUSSIA

Market Analysis

Table 36. Russian Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

4G. REST OF EUROPE

A. Market Analysis



Ireland Adopts EU EED and ISO 50001 Certification

Table 37. Energy Consumption in Ireland by Sector (2016): Percentage Breakdown of Energy Consumption for Commercial & Services, Industrial, Residential, Transportation, and Others (includes corresponding Graph/Chart)

Denmark Implements EEO Policy Strategic Corporate Developments Select Key Players B. Market Analytics

Table 38. Rest of Europe Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

5. ASIA-PACIFIC

A. Market AnalysisA Market Laden with Opportunities

Table 39. Energy Demand in Asia-Pacific by End-Use Sector (2010 & 2020P): Percentage Breakdown of Energy Demand for Industrial, Residential & Commercial, and Transportation (includes corresponding Graph/Chart)

B. Market Analytics

Table 40. Asia-Pacific Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) by Geographic Region - China, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

Table 41. Asia-Pacific 10-Year Perspective for Industrial Energy Management System (IEMS) by Geographic Region - Percentage Share Breakdown of Dollar Sales for China, and Rest of Asia-Pacific Markets for Years 2015, 2017 and 2024 (includes corresponding Graph/Chart)



5A. CHINA

A. Market Analysis
IEMS Seeks to Foray into Lucrative Chinese Market
High Energy Demand Compels Chinese Government to Actively Pursues Industrial
Energy Management
B. Market Analytics

Table 42. Chinese Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

5B. REST OF ASIA-PACIFIC

A. Market Analysis

Taiwan – An Overview

Energy Consumption Statistics for Select Countries

Australia

Table 43. Energy Consumption in Australia by Sector (2016): Percentage Breakdown of Energy Consumption for Commercial, Electric Supply, Manufacturing, Mining, Residential, Transport, and Others (includes corresponding Graph/Chart)

New Zealand

Table 44. Energy Consumption in New Zealand by Sector (2016): Percentage Breakdown of Energy Consumption for Commercial & Services, Industrial, Residential, Transportation, and Others (includes corresponding Graph/Chart)

Singapore

Table 45. Energy Consumption in Singapore by Sector (2016): Percentage Breakdown of Energy Consumption for Commercial & Services, Industrial, Residential, Transportation, and Others (includes corresponding Graph/Chart)



B. Market Analytics

Table 46. Rest of Asia-Pacific Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

6. MIDDLE EAST & AFRICA

A. Market Analysis

Table 47. Energy Demand in the Middle East by End-Use Sector (2010 & 2020P): Percentage Breakdown of Energy Demand for Industrial, Residential & Commercial, and Transportation (includes corresponding Graph/Chart)

Table 48. Energy Demand in Africa by End-Use Sector (2010 & 2020P): Percentage Breakdown of Energy Demand for Industrial, Residential & Commercial, and Transportation (includes corresponding Graph/Chart)

Overview of Select Regional Markets
South Africa Implements Industrial Energy Efficiency Project
Energy Price Deregulation Paves Way for IEMS Vendors to Tap Egyptian Market
Key Player

B. Market Analytics

Table 49. Middle East & Africa Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

7. LATIN AMERICA

A. Market Analysis

Table 50. Energy Demand in Latin America by End-Use Sector (2010 & 2020P): Percentage Breakdown of Energy Demand for Industrial, Residential & Commercial, and Transportation (includes corresponding Graph/Chart)



Strategic Corporate Developments
B. Market Analytics

Table 51. Latin American Recent Past, Current & Future Analysis for Industrial Energy Management System (IEMS) Market Analyzed with Annual Revenue Figures in US\$ Million for Years 2015 through 2024 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE

Total Companies Profiled: 75 (including Divisions/Subsidiaries - 84)
The United States (40)
Canada (5)
Japan (9)
Europe (19)
France (1)
Germany (3)
The United Kingdom (6)
Italy (1)
Rest of Europe (8)
Asia-Pacific (Excluding Japan) (9)
Middle East (1)
Africa (1)



I would like to order

Product name: Industrial Energy Management System (IEMS): Market Research Report

Product link: https://marketpublishers.com/r/IAE9C2B5FFDEN.html

Price: US\$ 5,600.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

Payment

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/IAE9C2B5FFDEN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970