

Home Energy Management System Market By Hardware (CONTROL DEVICE, DISPLAY/ COMMUNICATION DEVICE), BY COMMUNICATION TECHNOLOGY (Z-WAVE, ZIGBEE, I-FI) AND BY SOFTWARE & SERVICE (BEHAVIORAL, PROACTIVE) - GLOBAL FORECAST TO 2022

<https://marketpublishers.com/r/HDE37FCD812EN.html>

Date: February 2016

Pages: 132

Price: US\$ 5,650.00 (Single User License)

ID: HDE37FCD812EN

Abstracts

Global HEMS– market size and drivers:

The global market for HEMS is expected to grow at a CAGR of 18.36% between 2016 and 2022 from USD 864.2 million in 2015 to USD 3.15 billion by 2022. The market is expected to be driven by the increasing real-time energy conservation approach, convenience of cloud computing and data analytics, and increased device interconnectivity.

ZigBee technology is expected to grow at the highest rate in the HEMS market

With the growing potential and awareness the ZigBee protocol is expected to grow at a faster pace. As it can be structured in a variety of topologies such as mesh, stellate, and tree, ZigBee is widely preferred by most of the HEMS providers. ZigBee is preferred for applications related to low data rate, long battery life, and secure networking. As a result of the advanced features and excellent compatibility provided by this protocol, most of the Fortune 500 companies are supporting and joining the ZigBee alliance. This factor is expected to have a high influence on the high growth of ZigBee technology across the globe, during the forecast period.

North Americas and Asia-Pacific are major markets

North America accounted for the largest share of the global HEMS market in 2015 because of the growing necessity of energy conservation in the homes and better and customized services provided by the HEMS providers in the U.S., Canada, and Mexico. The HEMS market in Asia-Pacific, however, is expected to grow at the highest rate. This region has a considerable market in countries such as China, Japan, Australia, and the Rest of APAC (RoAPAC). Currently, Japan is considered to be a huge market for HEMS because of the considerable implementation rate of various control devices such as lighting controllers and smart meters in this country. Economies such as Australia, China, India, Singapore, and Malaysia among others are expected to grow at a high growth rate for home automation products during the forecast period.

In the process of determining and verifying the market size for several segments and sub-segments gathered through the secondary research, extensive primary interviews were conducted with key people in the HEMS industry. The break-up of primary participants for the report is shown below:

By Company type – Tier 1– 55%, Tier 2 – 20%, and Tier 3 – 25%

By Designation – C-level – 43%, Manager level – 32%, and others – 25%

By Region – North America – 60%, Europe – 25%, Asia-Pacific – 10%, and RoW – 5%

The report profiles key players in the HEMS market with their respective market share analysis. The prominent players profiled in this report are Honeywell International, Inc. (U.S.), Nest Labs, Inc. (U.S.), Ecobee (Canada), General Electric Company (U.S.), EnergyHub, Inc. (U.S.), Vivint, Inc. (U.S.), Panasonic Corporation (Japan), Alarm.com (U.S.), Ecofactor (U.S.), and Comcast Cable (Xfinity, U.S.).

The report will help leaders/new entrants in this market in the following ways:

1. This report segments the HEMS market comprehensively and provides the closest market size projection for all sub-segments across different regions.
2. The report helps stakeholders understand the pulse of the market and provides them with the information on key drivers, restraints, challenges, and opportunities for market growth.
3. This report would help stakeholders better understand a competitor and gain more

insights to improve their position in the business. The competitive landscape section includes competitor ecosystem, new product developments, partnerships, and mergers & acquisitions.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
 - 1.3.1 MARKETS COVERED
- 1.4 CURRENCY
- 1.5 LIMITATION
- 1.6 STAKEHOLDERS

2 RESEARCH DESIGN

- 2.1 MARKET SIZE ESTIMATION
 - 2.1.1 BOTTOM-UP APPROACH
 - 2.1.2 TOP-DOWN APPROACH
- 2.2 MARKET BREAKDOWN AND DATA TRANGULATION
- 2.3 MARKET SHARE ESTIMATION
 - 2.3.1 KEY DATA FROM SECONDARY SOURCES
 - 2.3.2 KEY DATA FROM PRIMARY SOURCES
- 2.4 ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 OPPORTUNITIES IN THE HEMS MARKET
- 4.2 HEMS MARKET—TOP CONTROL DEVICES
- 4.3 THE HEMS MARKET BASED ON COMMUNICATION TECHNOLOGY AND GEOGRAPHY
- 4.4 NORTH AMERICA DOMINATED THE HEMS MARKET IN 2015
- 4.5 GLOBAL HEMS MARKET SIZE BASED ON SOFTWARE & SERVICES

(2015, 2016, AND 2022)

5 MARKET OVERVIEW

- 5.1 INTRODUCTION

5.2 MARKET SEGMENTATION

5.2.1 HEMS MARKET, BY HARDWARE

5.2.2 HEMS MARKET, BY COMMUNICATION TECHNOLOGY

5.2.3 HEMS MARKET, BY SOFTWARE/ SERVICE

5.2.4 HEMS MARKET, BY GEOGRAPHY

5.3 MARKET DYNAMICS

5.3.1 DRIVERS

5.3.1.1 Real-time energy conservation approach

5.3.1.2 Convenience of cloud computing and data analytics

5.3.1.3 Increased device interconnectivity

5.3.2 RESTRAINTS

5.3.2.1 Additional costs for supplementary tools and services

5.3.2.2 Supply-side of HEMS ecosystem affected due to low implementation rate in

APAC

5.3.3 OPPORTUNITIES

5.3.3.1 Emerging growth of smart home industry

5.3.4 CHALLENGES

5.3.4.1 Large dependance on analytics software

5.3.4.2 Need for constant monitoring

6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 VALUE CHAIN ANALYSIS

6.3 PORTER'S ANALYSIS

6.3.1 THREAT OF NEW ENTRANTS

6.3.2 THREAT OF SUBSTITUTES

6.3.3 BARGAINING POWER OF SUPPLIERS

6.3.4 BARGAINING POWER OF BUYERS

6.3.5 INTENSITY OF COMPETITIVE RIVALRY

7 MARKET, BY HARDWARE

7.1 INTRODUCTION

7.2 CONTROL DEVICE

7.2.1 LIGHTING CONTROLLER

7.2.2 SENSOR

7.2.3 SMART METER

7.2.4 SMART PLUG/ STRIP

- 7.2.5 THERMOSTAT
- 7.3 DISPLAY/ COMMUNICATION DEVICE

8 MARKET, BY COMMUNICATION TECHNOLOGY

- 8.1 INTRODUCTION
- 8.2 Z-WAVE
- 8.3 ZIGBEE
- 8.4 WI-FI
- 8.5 OTHER COMMUNICATION TECHNOLOGIES

9 MARKET, BY SOFTWARE & SERVICE

- 9.1 INTRODUCTION
- 9.2 BEHAVIORAL
- 9.3 PROACTIVE

10 MARKET, BY GEOGRAPHY

- 10.1 INTRODUCTION
- 10.2 NORTH AMERICA
- 10.3 EUROPE
- 10.4 APAC
- 10.5 REST OF THE WORLD (ROW)

11 COMPETITIVE LANDSCAPE

- 11.1 OVERVIEW
- 11.2 MARKET SHARE ANALYSIS, HEMS SYSTEM MARKET
- 11.3 COMPETITIVE SITUATION AND TRENDS
 - 11.3.1 NEW PRODUCT LAUNCHES
 - 11.3.2 CONTRACTS, COLLABORATIONS, AND AGREEMENTS
 - 11.3.3 MERGERS AND ACQUISITIONS

12 COMPANY PROFILES

(Overview, Products & Services, Strategies & Insights, Developments and MnM View)*

- 12.1 HONEYWELL INTERNATIONAL, INC.

- 12.2 NEST LABS, INC.
- 12.3 VIVINT, INC.
- 12.4 GENERAL ELECTRIC COMPANY
- 12.5 ECOBEE, INC.
- 12.6 ALARM.COM
- 12.7 COMCAST CABLE (XFINITY)
- 12.8 PANASONIC CORPORATION
- 12.9 ECOFACTOR, INC.
- 12.10 ENERGYHUB, INC.

*Details on MarketsandMarkets View, Overview, Products & Services, Financials and Strategy & Analyst Insights might not be captured in case of unlisted companies.

13 APPENDIX

- 13.1 INSIGHTS OF INDUSTRY EXPERTS
- 13.2 DISCUSSION GUIDE
- 13.3 INTRODUCING RT: REAL TIME MARKET INTELLIGENCE
- 13.4 AVAILABLE CUSTOMIZATIONS
- 13.5 RELATED REPORTS

List Of Tables

LIST OF TABLES

- Table 1 GLOBAL HEMS MARKET SIZE, BY HARDWARE, 2014–2022 (USD MILLION)
- Table 2 HEMS MARKET SIZE, BY SOFTWARE AND SERVICE, 2014–2022 (USD MILLION)
- Table 3 NORTH AMERICA: HEMS MARKET SIZE, BY HARDWARE, 2014–2022 (USD MILLION)
- Table 4 DRIVER ANALYSIS
- Table 5 RESTRAINT ANALYSIS
- Table 6 HEMS MARKET SIZE, BY HARDWARE, 2014–2022 (USD MILLION)
- Table 7 HEMS MARKET SIZE FOR HARDWARE, BY REGION, 2014–2022 (USD MILLION)
- Table 8 HEMS MARKET SIZE FOR HARDWARE, BY CONTROL DEVICE, 2014–2022 (USD MILLION)
- Table 9 HEMS MARKET SIZE FOR CONTROL DEVICES, BY REGION, 2014–2022 (USD MILLION)
- Table 10 HEMS MARKET SIZE FOR HARDWARE, BY CONTROL DEVICE, 2014–2022 (THOUSAND UNITS)
- Table 11 HEMS MARKET SIZE FOR LIGHTING CONTROLLERS, BY REGION, 2014–2022 (USD MILLION)
- Table 12 HEMS MARKET SIZE FOR SENSORS, BY REGION, 2014–2022 (USD MILLION)
- Table 13 HEMS MARKET SIZE FOR SMART METERS, BY REGION, 2014–2022 (USD MILLION)
- Table 14 HEMS MARKET FOR SMART PLUGS/ STRIPS, BY REGION, 2014–2022 (USD MILLION)
- Table 15 HEMS MARKET SIZE FOR THERMOSTATS, BY REGION, 2014–2022 (USD MILLION)
- Table 16 HEMS MARKET FOR HARDWARE , BY DISPLAY/ COMMUNICATION DEVICE, 2014–2022 (USD MILLION)
- Table 17 HEMS MARKET SIZE FOR DISPLAY/ COMMUNICATION DEVICES, BY REGION, 2014–2022 (USD MILLION)
- Table 18 HEMS MARKET SIZE FOR MONITORING/ DISPLAY SYSTEMS, BY REGION, 2014–2022 (USD MILLION)
- Table 19 HEMS MARKET SIZE FOR COMMUNICATION DEVICES, BY REGION, 2014–2022 (USD MILLION)
- Table 20 HEMS MARKET SIZE, BY COMMUNICATION TECHNOLOGY, 2014–2022

(USD MILLION)

Table 21 HEMS MARKET SIZE FOR COMMUNICATION TECHNOLOGY, BY REGION, 2014-2022 (USD MILLION)

Table 22 HEMS MARKET SIZE FOR Z-WAVE, BY REGION, 2014–2022 (USD MILLION)

Table 23 HEMS MARKET SIZE FOR ZIGBEE, BY REGION, 2014–2022 (USD MILLION)

Table 24 HEMS MARKET FOR WI-FI, BY REGION, 2014–2022 (USD MILLION)

Table 25 HEMS MARKET FOR OTHER COMMUNICATION TECHNOLOGIES, BY REGION, 2014–2022 (USD MILLION)

Table 26 HEMS MARKET SIZE, BY SOFTWARE & SERVICE, 2014–2022 (USD MILLION)

Table 27 HEMS MARKET FOR SOFTWARE & SERVICES, BY REGION, 2014–2022 (USD MILLION)

Table 28 HEMS MARKET SIZE FOR BEHAVIORAL, BY REGION, 2014–2022 (USD MILLION)

Table 29 HEMS MARKET SIZE FOR PROACTIVE, BY REGION, 2014–2022 (USD MILLION)

Table 30 HEMS MARKET SIZE, BY REGION, 2014–2022 (USD MILLION)

Table 31 NORTH AMERICA: HEMS MARKET SIZE, BY COUNTRY, 2014–2022 (USD MILLION)

Table 32 NORTH AMERICA: HEMS MARKET SIZE, BY SEGMENT, 2014–2022 (USD MILLION)

Table 33 NORTH AMERICA: HEMS MARKET SIZE, BY HARDWARE, 2014–2022 (USD MILLION)

Table 34 NORTH AMERICA: HEMS MARKET SIZE, BY CONTROL DEVICE, 2014–2022 (USD MILLION)

Table 35 NORTH AMERICA: HEMS MARKET SIZE, BY DISPLAY/ COMMUNICATION DEVICE, 2014–2022 (USD MILLION)

Table 36 NORTH AMERICA: HEMS MARKET SIZE FOR HARDWARE, BY COUNTRY, 2014–2022 (USD MILLION)

Table 37 NORTH AMERICA: HEMS MARKET SIZE, BY COMMUNICATION TECHNOLOGY, 2014–2022 (USD MILLION)

Table 38 NORTH AMERICA: HEMS MARKET SIZE FOR COMMUNICATION TECHNOLOGY, BY COUNTRY, 2014–2022 (USD MILLION)

Table 39 NORTH AMERICA: HEMS MARKET SIZE, BY SOFTWARE & SERVICE, 2014–2022 (USD MILLION)

Table 40 NORTH AMERICA: HEMS MARKET SIZE FOR SOFTWARE & SERVICE, BY COUNTRY, 2014–2022 (USD MILLION)

Table 41 EUROPE: HEMS MARKET SIZE, BY GEOGRAPHY, 2014–2022 (USD MILLION)

Table 42 EUROPE: HEMS MARKET SIZE, BY SEGMENT, 2014–2022 (USD MILLION)

Table 43 EUROPE: HEMS MARKET SIZE, BY HARDWARE, 2014–2022 (USD MILLION)

Table 44 EUROPE: HEMS MARKET SIZE FOR HARDWARE, BY CONTROL DEVICE, 2014–2022 (USD MILLION)

Table 45 EUROPE: HEMS MARKET SIZE, BY DISPLAY/ COMMUNICATION DEVICE, 2014–2022 (USD MILLION)

Table 46 EUROPE: HEMS MARKET SIZE FOR HARDWARE, BY GEOGRAPHY, 2014–2022 (USD MILLION)

Table 47 EUROPE: HEMS MARKET SIZE, BY COMMUNICATION TECHNOLOGY, 2014–2022 (USD MILLION)

Table 48 EUROPE: HEMS MARKET SIZE FOR COMMUNICATION TECHNOLOGY, BY GEOGRAPHY, 2014–2022 (USD MILLION)

Table 49 EUROPE: HEMS MARKET SIZE, BY SOFTWARE & SERVICE, 2014–2022 (USD MILLION)

Table 50 EUROPE: HEMS MARKET SIZE FOR SOFTWARE & SERVICE, BY GEOGRAPHY, 2014–2022 (USD MILLION)

Table 51 APAC: HEMS MARKET SIZE, BY GEOGRAPHY, 2014–2022 (USD MILLION)

Table 52 APAC: HEMS MARKET SIZE, BY SEGMENT, 2014–2022 (USD MILLION)

Table 53 APAC: HEMS MARKET SIZE, BY HARDWARE, 2014–2022 (USD MILLION)

Table 54 APAC: HEMS MARKET SIZE, BY CONTROL DEVICE, 2014–2022 (USD MILLION)

Table 55 APAC: HEMS MARKET SIZE, BY DISPLAY/ COMMUNICATION DEVICE, 2014–2022 (USD MILLION)

Table 56 APAC: HEMS MARKET SIZE FOR HARDWARE, BY GEOGRAPHY, 2014–2022 (USD MILLION)

Table 57 APAC: HEMS MARKET SIZE, BY COMMUNICATION TECHNOLOGY, 2014–2022 (USD MILLION)

Table 58 APAC: HEMS MARKET SIZE FOR COMMUNICATION TECHNOLOGY, BY GEOGRAPHY, 2014–2022 (USD MILLION)

Table 59 APAC: HEMS MARKET SIZE, BY SOFTWARE & SERVICE, 2014–2022 (USD MILLION)

Table 60 APAC: HEMS MARKET FOR SOFTWARE & SERVICES, BY GEOGRAPHY, 2014–2022 (USD MILLION)

Table 61 ROW: HEMS MARKET SIZE, BY REGION, 2014–2022 (USD MILLION)

Table 62 ROW: HEMS MARKET SIZE, BY SEGMENT, 2014–2022 (USD MILLION)

Table 63 ROW: HEMS MARKET SIZE, BY HARDWARE, 2014–2022 (USD MILLION)

Table 64 ROW: HEMS MARKET SIZE, BY CONTROL DEVICE, 2014–2022 (USD MILLION)

Table 65 ROW: HEMS MARKET SIZE, BY DISPLAY/ COMMUNICATION DEVICE, 2014–2022 (USD MILLION)

Table 66 ROW: HEMS MARKET SIZE FOR HARDWARE, BY REGION, 2014–2022 (USD MILLION)

Table 67 ROW: HEMS MARKET SIZE, BY COMMUNICATION TECHNOLOGY, 2014–2022 (USD MILLION)

Table 68 ROW: HEMS MARKET SIZE FOR COMMUNICATION TECHNOLOGY MARKET SIZE, BY REGION, 2014–2022 (USD MILLION)

Table 69 ROW: HEMS MARKET SIZE, BY SOFTWARE & SERVICE, 2014–2022 (USD MILLION)

Table 70 ROW: HEMS MARKET SIZE FOR SOFTWARE & SERVICES, BY REGION, 2014–2022 (USD MILLION)

Table 71 NEW PRODUCT LAUNCHES, 2013-2015

Table 72 CONTRACTS, COLLABORATIONS AND AGREEMENTS, 2013-2015

Table 73 MERGERS AND ACQUISITIONS, 2013-2015

List Of Figures

LIST OF FIGURES

Figure 1 MARKET SEGMENTS

Figure 2 YEARS CONSIDERED FOR THE STUDY

Figure 3 HEMS MARKET: RESEARCH DESIGN

Figure 4 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

Figure 5 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

Figure 6 HEMS MARKET: DATA TRIANGULATION MODEL

Figure 7 HEMS MARKET, BY COMMUNICATION TECHNOLOGY SNAPSHOT: THE ZIGBEE PROTOCOL EXPECTED TO WITNESS A HIGH GROWTH BETWEEN 2016–2022

Figure 8 HEMS MARKET, BY GEOGRAPHY, SNAPSHOT (2015 VS. 2022): APAC TO WITNESS THE HIGHEST GROWTH DURING THE FORECAST PERIOD

Figure 9 ATTRACTIVE MARKET OPPORTUNITIES FOR THE HEMS MARKET (2016–2022)

Figure 10 THERMOSTATS EXPECTED TO HOLD THE LARGEST MARKET SHARE DURING THE FORECAST PERIOD

Figure 11 WI-FI HELD THE LARGEST SHARE IN THE HEMS MARKET

Figure 12 CHINA AND AUSTRALIA EXPECTED TO GROW AT THE HIGHEST RATE BY 2022

Figure 13 PROACTIVE SOLUTIONS TO HOLD THE LARGEST SHARE IN THE GLOBAL HEMS MARKET ON THE BASIS OF SOFTWARE & SERVICES

Figure 14 BY GEOGRAPHY

Figure 15 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES FOR THE HEMS MARKET

Figure 16 VALUE CHAIN ANALYSIS: SOFTWARE AND SERVICE PROVIDERS TO GENERATE MAXIMUM REVENUE IN THE HEMS INDUSTRY

Figure 17 PORTER'S ANALYSIS

Figure 18 PORTER'S ANALYSIS: HEMS MARKET

Figure 19 THREAT OF NEW ENTRANTS

Figure 20 THREAT OF SUBSTITUTES

Figure 21 BARGAINING POWER OF SUPPLIERS

Figure 22 BARGAINING POWER OF BUYERS

Figure 23 INTENSITY OF COMPETITIVE RIVALRY

Figure 24 HEMS MARKET SIZE FOR HARDWARE, BY CONTROL DEVICE (USD MILLION)

Figure 25 HEMS MARKET, BY COMMUNICATION TECHNOLOGY, 2015 AND 2022

Figure 26 HEMS MARKET, BY SOFTWARE & SERVICE, 2015-2022 (USD MILLION)

Figure 27 GEOGRAPHIC SNAPSHOT OF THE HEMS MARKET (2016–2022)

Figure 28 NORTH AMERICA: HEMS MARKET SNAPSHOT

Figure 29 THE U.K. HELD THE LARGEST SHARE OF THE HEMS MARKET IN EUROPE, IN 2015

Figure 30 APAC: HEMS MARKET SNAPSHOT—CHINA TO BE THE MOST LUCRATIVE MARKET DURING THE FORECAST PERIOD

Figure 31 COMPANIES ADOPTED NEW PRODUCT LAUNCHES AND MERGERS AND ACQUISITIONS AS THE KEY GROWTH STRATEGIES BETWEEN 2013 AND 2015

Figure 32 GLOBAL HEMS MARKET SHARE, BY KEY PLAYER, 2015

Figure 33 MARKET EVOLUTION FRAMEWORK—NEW PRODUCT LAUNCHES FUELED THE MARKET GROWTH IN 2015

Figure 34 BATTLE FOR MARKET SHARE: NEW PRODUCT LAUNCHES WAS THE KEY STRATEGY

Figure 35 GEOGRAPHY REVENUE MIX

Figure 36 HONEYWELL INTERNATIONAL, INC.: COMPANY SNAPSHOT

Figure 37 HONEYWELL INTERNATIONAL, INC: SWOT ANALYSIS

Figure 38 NEST LABS, INC.: SWOT ANALYSIS

Figure 39 VIVINT, INC.: COMPANY SNAPSHOT

Figure 40 VIVINT, INC.: SWOT ANALYSIS

Figure 41 GENERAL ELECTRIC COMPANY: COMPANY SNAPSHOT

Figure 42 GENERAL ELECTRIC COMPANY: SWOT ANALYSIS

Figure 43 ECOBEE, INC.: SWOT ANALYSIS

Figure 44 ALARM.COM: COMPANY SNAPSHOT

Figure 45 COMCAST CORPORATION: COMPANY SNAPSHOT

Figure 46 PANASONIC CORPORATION: COMPANY SNAPSHOT

I would like to order

Product name: Home Energy Management System Market By Hardware (CONTROL DEVICE, DISPLAY/ COMMUNICATION DEVICE), BY COMMUNICATION TECHNOLOGY (Z-WAVE, ZIGBEE, I-FI) AND BY SOFTWARE & SERVICE (BEHAVIORAL, PROACTIVE) - GLOBAL FORECAST TO 2022

Product link: <https://marketpublishers.com/r/HDE37FCD812EN.html>

Price: US\$ 5,650.00 (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/HDE37FCD812EN.html>

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

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer 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