

Demand Response Management System Market by Types (Commercial, Industrial, Residential), Services (Curtailment, System Integration, Professional), Verticals (Manufacturing, Agriculture, Commercial Buildings), Regions - Global Forecast to 2020

<https://marketpublishers.com/r/D837672E3D1EN.html>

Date: September 2015

Pages: 139

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

ID: D837672E3D1EN

Abstracts

The global demand for smart grid technologies and demand response technologies is on an exponential rise due to rapid globalization and industrial growth. The per capita income and energy need is rising at a brisk pace in the developed economies. DRMS attains prime importance in such scenario, as it is a proven technology platform and a peak load management tool which helps in reducing the imbalance between energy supply and demand. The two types of demand response (DR) programs are price-based and incentives-based programs.

Most of the technologies have undertaken R&D and joint product development activities to launch new smart grid and demand response technologies to meet the increasing global demand of electricity. The major concern with companies these days is the absence of a single market model and lack of regulatory mandates in the European region. This has also resulted in the slow adoption of DR technology. However, the scenario is fast changing with the emergence of automated DR and increasing roll outs of smart grids.

The deployment of advanced demand response and smart grid technologies and solutions such as residential DRMS, industrial DRMS, and commercial DRMS enables the companies to reduce the demand supply imbalance of electricity significantly. Various other factors such as energy price volatility, customer switching, and cloud-based DRMS are catalyzing the overall growth of the DRMS market globally.

MarketsandMarkets extensively divides the DRMS market by solution, service, vertical and region. DRMS solutions include commercial, industrial, and residential DRMS. Services include curtailment services, system integration and consulting services, managed services, and support and maintenance services. Verticals consists of manufacturing; office and commercial buildings; municipal, university, school and hospital systems (MUSH); energy & power; and agriculture. In addition, the report also classifies the market according to the regions of North America, Europe, Asia-Pacific (APAC), Middle-East and Africa (MEA), and Latin America.

ABB, EnerNOC, General Electric, Schneider Electric, and Siemens are some of the prominent players providing reliable DRMS solutions and services. MarketsandMarkets forecasts the global DRMS market to grow from USD 8.06 billion in 2015 to USD 31.69 billion by 2020, at a Compound Annual Growth Rate (CAGR) of 31.5% during the forecast period. Over the next 5 years, this market is expected to experience high traction in the APAC and MEA regions.

There are various assumptions that we have taken into consideration for market size and forecasting exercise. Few of global assumptions include political, economic, social, and technological factors. For instance, the exchange rate, one of the economic factors is expected to have a moderate rating of impact on this market.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE REPORT
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
 - 1.3.1 MARKETS COVERED
 - 1.3.2 YEARS CONSIDERED IN THE REPORT
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 INTRODUCTION
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key data from secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 Key industry insights
 - 2.1.2.3 Breakdown of primaries
- 2.2 MARKET SIZE ESTIMATION
 - 2.2.1 BOTTOM-UP APPROACH
 - 2.2.2 TOP-DOWN APPROACH
- 2.3 MARKET BREAKDOWN AND DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS AND LIMITATIONS
 - 2.4.1 ASSUMPTIONS
 - 2.4.2 LIMITATIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE MARKET OPPORTUNITIES IN THE DEMAND RESPONSE MANAGEMENT SYSTEM MARKET
- 4.2 DEMAND RESPONSE MANAGEMENT SYSTEM OVERALL MARKET 2015 VS. 2020
- 4.3 DEMAND RESPONSE MANAGEMENT SYSTEM MARKET, BY SOLUTION,

Demand Response Management System Market by Types (Commercial, Industrial, Residential), Services (Curtailment...

2015-2020

4.4 DEMAND RESPONSE MANAGEMENT SYSTEM MARKET, REGIONS VS SERVICES, 2015–2020

4.5 LIFECYCLE ANALYSIS, BY REGION

4.6 MARKET INVESTMENT SCENARIO

4.7 REGIONAL ADOPTION SCENARIO: DEMAND RESPONSE MANAGEMENT SYSTEM

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 EVOLUTION

5.3 MARKET SEGMENTATION

5.3.1 BY SOLUTION

5.3.2 BY SERVICE

5.3.3 BY VERTICAL

5.3.4 BY REGION

5.4 MARKET DYNAMICS

5.4.1 DRIVERS

5.4.1.1 Smart grid roll-outs

5.4.1.2 Energy price volatility

5.4.1.3 Customer switching

5.4.2 RESTRAINTS

5.4.2.1 Lack of regulatory mandates

5.4.2.2 Budgetary constraints for utilities

5.4.3 OPPORTUNITIES

5.4.3.1 Benefits of cloud-based DRMS

5.4.3.2 Untapped residential DRMS market

5.4.4 CHALLENGES

5.4.4.1 Costs of Roof Top Units (RTUs) to connect small scale customers

6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 VALUE CHAIN ANALYSIS

6.3 PORTER'S FIVE FORCES 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 RIVALRY
- 6.4 STRATEGIC BENCHMARKING

7 DEMAND RESPONSE MANAGEMENT SYSTEM MARKET ANALYSIS, BY SOLUTION

- 7.1 INTRODUCTION
- 7.2 COMMERCIAL DEMAND RESPONSE MANAGEMENT SYSTEM
- 7.3 INDUSTRIAL DEMAND RESPONSE MANAGEMENT SYSTEM
- 7.4 RESIDENTIAL DEMAND RESPONSE MANAGEMENT SYSTEM

8 DEMAND RESPONSE MANAGEMENT SYSTEM MARKET ANALYSIS, BY SERVICE

- 8.1 INTRODUCTION
- 8.2 CURTAILMENT SERVICES
- 8.3 SYSTEM INTEGRATION AND CONSULTING SERVICES
- 8.4 MANAGED SERVICES
- 8.5 SUPPORT AND MAINTENANCE SERVICES

9 DEMAND RESPONSE MANAGEMENT SYSTEM MARKET ANALYSIS, BY VERTICAL

- 9.1 INTRODUCTION
- 9.2 MANUFACTURING
- 9.3 OFFICE AND COMMERCIAL BUILDINGS
- 9.4 MUNICIPAL, UNIVERSITY, SCHOOL AND HOSPITAL (MUSH)
- 9.5 ENERGY AND POWER
- 9.6 AGRICULTURE

10 GEOGRAPHIC ANALYSIS

- 10.1 INTRODUCTION
- 10.2 NORTH AMERICA
 - 10.2.1 UNITED STATES (U.S.)
 - 10.2.2 CANADA
- 10.3 EUROPE
 - 10.3.1 UNITED KINGDOM (U.K.)

10.4 ASIA-PACIFIC

10.4.1 AUSTRALIA

10.5 MIDDLE EAST AND AFRICA

10.6 LATIN AMERICA

10.6.1 BRAZIL

11 COMPETITIVE LANDSCAPE

11.1 OVERVIEW

11.2 COMPETITIVE SITUATIONS AND TRENDS

11.2.1 NEW PRODUCT LAUNCHES

11.2.2 PARTNERSHIPS, AGREEMENTS, AND COLLABORATIONS

11.2.3 MERGERS AND ACQUISITIONS

12 COMPANY PROFILES

12.1 INTRODUCTION

(Business Overview, Products, Solutions and Services Offered, Recent Developments, SWOT Analysis, Key Strategies and MnM View)*

12.2 ABB LTD.

12.3 ENERNOC INC.

12.4 GENERAL ELECTRIC

12.5 SCHNEIDER ELECTRIC SA

12.6 SIEMENS AG

12.7 EATON CORPORATION

12.8 HONEYWELL INTERNATIONAL, INC.

12.9 JOHNSON CONTROLS, INC

12.10 OPOWER, INC.

12.11 COMVERGE, INC.

*Details on Business Overview, Products, Solutions and Services Offered, Recent Developments, SWOT Analysis, Key Strategies and MnM View might not be captured in case of unlisted companies.

13 APPENDIX

13.1 INSIGHT 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 DEMAND RESPONSE MANAGEMENT SYSTEM COMPONENTS MARKET SIZE AND GROWTH, 2013–2020 (USD MILLION)

Table 2 DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SOLUTION, 2013-2020 (USD MILLION)

Table 3 DEMAND RESPONSE MANAGEMENT SYSTEM SOLUTIONS MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 4 COMMERCIAL: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 5 INDUSTRIAL: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 6 RESIDENTIAL: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 7 DEMAND RESPONSE MANAGEMENT SYSTEM SERVICES MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 8 DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SERVICE, 2013-2020 (USD MILLION)

Table 9 CURTAILMENT SERVICES: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 10 SYSTEM INTEGRATION AND CONSULTING: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 11 MANAGED SERVICES: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 12 SUPPORT AND MAINTENANCE: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 13 DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY VERTICAL, 2013-2020 (USD MILLION)

Table 14 MANUFACTURING: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 15 OFFICE AND COMMERCIAL BUILDINGS: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 16 MUNICIPAL, UNIVERSITY, SCHOOL AND HOSPITAL: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 17 ENERGY AND POWER: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 18 AGRICULTURE: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 19 DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 20 NORTH AMERICA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 21 NORTH AMERICA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY COMPONENT, 2013–2020 (USD MILLION)

Table 22 NORTH AMERICA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SOLUTION, 2013–2020 (USD MILLION)

Table 23 NORTH AMERICA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SERVICE, 2013–2020 (USD MILLION)

Table 24 NORTH AMERICA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY VERTICAL, 2013–2020 (USD MILLION)

Table 25 UNITED STATES: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY COMPONENT, 2013–2020 (USD MILLION)

Table 26 UNITED STATES: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SOLUTION, 2013–2020 (USD MILLION)

Table 27 UNITED STATES: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SERVICE, 2013–2020 (USD MILLION)

Table 28 UNITED STATES: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY VERTICAL, 2013–2020 (USD MILLION)

Table 29 CANADA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY COMPONENT, 2013–2020 (USD MILLION)

Table 30 CANADA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SOLUTION, 2013–2020 (USD MILLION)

Table 31 CANADA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SERVICE, 2013–2020 (USD MILLION)

Table 32 CANADA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY VERTICAL, 2013–2020 (USD MILLION)

Table 33 EUROPE: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 34 EUROPE: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY COMPONENT, 2013–2020 (USD MILLION)

Table 35 EUROPE: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SOLUTION, 2013–2020 (USD MILLION)

Table 36 EUROPE: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SERVICE, 2013–2020 (USD MILLION)

Table 37 EUROPE: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE,

BY VERTICAL, 2013–2020 (USD MILLION)

Table 38 UNITED KINGDOM: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY COMPONENT, 2013–2020 (USD MILLION)

Table 39 UNITED KINGDOM: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SOLUTION, 2013–2020 (USD MILLION)

Table 40 UNITED KINGDOM: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SERVICE, 2013–2020 (USD MILLION)

Table 41 UNITED KINGDOM: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY VERTICAL, 2013–2020 (USD MILLION)

Table 42 ASIA-PACIFIC: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 43 ASIA-PACIFIC: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY COMPONENT, 2013–2020 (USD MILLION)

Table 44 ASIA-PACIFIC: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SOLUTION, 2013–2020 (USD MILLION)

Table 45 ASIA-PACIFIC: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SERVICE, 2013–2020 (USD MILLION)

Table 46 ASIA-PACIFIC: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY VERTICAL, 2013–2020 (USD MILLION)

Table 47 AUSTRALIA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY COMPONENT, 2013–2020 (USD MILLION)

Table 48 AUSTRALIA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SOLUTION, 2013–2020 (USD MILLION)

Table 49 AUSTRALIA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SERVICE, 2013–2020 (USD MILLION)

Table 50 AUSTRALIA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY VERTICAL, 2013–2020 (USD MILLION)

Table 51 MIDDLE EAST AND AFRICA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY COMPONENT, 2013–2020 (USD MILLION)

Table 52 MIDDLE EAST AND AFRICA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SOLUTION, 2013–2020 (USD MILLION)

Table 53 MIDDLE EAST AND AFRICA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SERVICE, 2013–2020 (USD MILLION)

Table 54 MIDDLE EAST AND AFRICA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY VERTICAL, 2013–2020 (USD MILLION)

Table 55 LATIN AMERICA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 56 LATIN AMERICA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY COMPONENT, 2013–2020 (USD MILLION)

Table 57 LATIN AMERICA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SOLUTION, 2013–2020 (USD MILLION)

Table 58 LATIN AMERICA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SERVICE, 2013–2020 (USD MILLION)

Table 59 LATIN AMERICA: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY VERTICAL, 2013–2020 (USD MILLION)

Table 60 BRAZIL: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY COMPONENT, 2013–2020 (USD MILLION)

Table 61 BRAZIL: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SOLUTION, 2013–2020 (USD MILLION)

Table 62 BRAZIL: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY SERVICE, 2013–2020 (USD MILLION)

Table 63 BRAZIL: DEMAND RESPONSE MANAGEMENT SYSTEM MARKET SIZE, BY VERTICAL, 2013–2020 (USD MILLION)

Table 64 NEW PRODUCT LAUNCHES, 2013–2015

Table 65 PARTNERSHIPS AND COLLABORATIONS, 2013–2015

Table 66 MERGERS AND ACQUISITIONS, 2013–2015

About

Energy markets across the globe are evolving with major smart grid initiatives for meeting long-term goals of creating a secure energy system where generation meets demand. Mass roll-outs of electric smart meters have enabled time-based electricity pricing options which are a major driver for active involvement of end-consumers in DR programs.

Energy-intensive C&I consumers have been a major contributor toward the overall market for DR. DR in the residential segment is largely undermined by DR providers but has significant scope of growth which is now corroborated with increasing mass deployments of smart meters and increasing shipments of energy management devices which can also be used for interfacing with DR platforms. Utilities need to come up with easier to comprehend DR programs for residential users. With the intertwined DR technologies and home energy management devices, consumers will be able to monitor and adjust their energy consumption more effectively. MarketsandMarkets expects an increasing uptake of the DRMS software solutions such as automated DR, by the end of the forecast period.

DR technology has been around for a while now but except for the U.S., the global adoption rate of DR programs has been slow. Absence of a single market model and lack of regulatory mandates in the European region have been the major factors for the slow growth of the DR market in this region. Many countries in the APAC region have a strong business case for implementing DR resources and the market in this region is expected to experience significant growth opportunities.

Overall Market Size

The global DRMS market is estimated by adding vendor revenues for DR software solutions and services. MarketsandMarkets forecasts the global DRMS market to grow from \$XX billion in 2014 to \$XX billion in 2019. This represents a Compound Annual Growth Rate (CAGR) of XX% from 2014 to 2019.

DR refers to an end-user, or retail utility customer, dropping, shifting, or self-generating electricity in response to a DR event or in response to high electricity prices. Various types of DR programs (price-based/incentive-based) are listed below:

Price-based options:

Time-of-Use (TOU) Rates: Rates with fixed price blocks that differ by time of day

Critical Peak Pricing: Rates that include a prespecified extra high rate that is triggered by the utility and is in effect for a limited number of hours

Real-Time Pricing: Rates that differ at some regular intervals in response to wholesale energy market prices

Incentive-based options:

Direct Load Control: Customers are provided with incentive payments for allowing the utility control over equipments such as Heating Ventilation & AC (HVAC)

Demand Bidding: Customers offer bids to curtail load when wholesale prices are high

Emergency: Customers receive payments for load reductions when needed

Capacity Market Programs: Customers receive payments for providing load reductions as substitutes for system capacity

Curtable/Interruptible: Customers receive a discounted rate for reducing load upon request

Utilities and market operators engage DR service providers on a capacity-based agreement to provide them with an assured level of load reduction.

The various DRMS solutions available in the market are segmented in this section as C&I, residential DRMS, and Automated DR (ADR).

The DRMS solutions market is expected to grow from \$XX billion in 2014 to \$XX billion in 2019, at a CAGR of XX%.

I would like to order

Product name: Demand Response Management System Market by Types (Commercial, Industrial, Residential), Services (Curtailement, System Integration, Professional), Verticals (Manufacturing, Agriculture, Commercial Buildings), Regions - Global Forecast to 2020

Product link: <https://marketpublishers.com/r/D837672E3D1EN.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/D837672E3D1EN.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