

2020-2025 Global Demand Response Market Report - Production and Consumption Professional Analysis (Impact of COVID-19)

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Abstracts

Demand response is a change in the power consumption of an electric utility customer to better match the demand for power with the supply. Electric energy cannot be easily stored, so utilities have traditionally matched demand and supply by throttling the production rate of their power plants, taking generating units on or off line, or importing power from other utilities. There are limits to what can be achieved on the supply side, because some generating units can take a long time to come up to full power, some units may be very expensive to operate, and demand can at times be greater than the capacity of all the available power plants put together. Demand response seeks to adjust the demand for power instead of adjusting the supply.

Utilities may signal demand requests to their customers in a variety of ways, including simple off-peak metering, in which power is cheaper at certain times of the day, and smart metering, in which explicit requests or changes in price can be communicated to customers.

The customer may adjust power demand by postponing some tasks that require large amounts of electric power, or may decide to pay a higher price for their electricity. Some customers may switch part of their consumption to alternate sources, such as on-site diesel generators.

In many respects, demand response can be put simply as a technology-enabled economic rationing system for electric power supply. In demand response, voluntary rationing is accomplished by price incentives—offering lower net unit pricing in exchange for reduced power consumption in peak periods. The direct implication is that users of electric power capacity not reducing usage (load) during peak periods will pay 'surge'

unit prices, whether directly, or factored into general rates.

This report elaborates the market size, market characteristics, and market growth of the Demand Response industry, and breaks down according to the type, application, and consumption area of Demand Response. The report also conducted a PESTEL analysis of the industry to study the main influencing factors and entry barriers of the industry.

In Chapter 3.4 of the report, the impact of the COVID-19 outbreak on the industry was fully assessed. Fully risk assessment and industry recommendations were made for Demand Response in a special period. This chapter also compares the markets of Pre COVID-19 and Post COVID-19.

In addition, chapters 8-12 consider the impact of COVID-19 on the regional economy.

Key players in the global Demand Response market covered in Chapter 13:

Schneider Electric

Oracle

Comverge

Siemens AG

Toshiba

ABB

Eaton

Honeywell International

Cisco

GE

Enernoc

Landis+Gyr

Johnson Controls

Eaton

ALSTOM

In Chapter 6, on the basis of types, the Demand Response market from 2015 to 2025 is primarily split into:

Hardware

Service

Software

In Chapter 7, on the basis of applications, the Demand Response market from 2015 to 2025 covers:

Industrial

Residential

Commercial

Geographically, the detailed analysis of production, trade of the following countries is covered in Chapter 4.2, 5:

United States

Europe

China

Japan

India

Geographically, the detailed analysis of consumption, revenue, market share and growth rate of the following regions are covered in Chapter 8, 9, 10, 11, 12:

North America (Covered in Chapter 8)

United States

Canada

Mexico

Europe (Covered in Chapter 9)

Germany

UK

France

Italy

Spain

Others

Asia-Pacific (Covered in Chapter 10)

China

Japan

India

South Korea

Southeast Asia

Others

Middle East and Africa (Covered in Chapter 11)

Saudi Arabia

UAE

South Africa

Others

South America (Covered in Chapter 12)

Brazil

Others

Years considered for this report:

Historical Years: 2015-2019

Base Year: 2019

Estimated Year: 2020

Forecast Period: 2020-2025

Contents

1 DEMAND RESPONSE MARKET - RESEARCH SCOPE

- 1.1 Study Goals
- 1.2 Market Definition and Scope
- 1.3 Key Market Segments
- 1.4 Study and Forecasting Years

2 DEMAND RESPONSE MARKET - RESEARCH METHODOLOGY

- 2.1 Methodology
- 2.2 Research Data Source
 - 2.2.1 Secondary Data
 - 2.2.2 Primary Data
 - 2.2.3 Market Size Estimation
 - 2.2.4 Legal Disclaimer

3 DEMAND RESPONSE MARKET FORCES

- 3.1 Global Demand Response Market Size
- 3.2 Top Impacting Factors (PESTEL Analysis)
 - 3.2.1 Political Factors
 - 3.2.2 Economic Factors
 - 3.2.3 Social Factors
 - 3.2.4 Technological Factors
 - 3.2.5 Environmental Factors
 - 3.2.6 Legal Factors
- 3.3 Industry Trend Analysis
- 3.4 Industry Trends Under COVID-19
 - 3.4.1 Risk Assessment on COVID-19
 - 3.4.2 Assessment of the Overall Impact of COVID-19 on the Industry
 - 3.4.3 Pre COVID-19 and Post COVID-19 Market Scenario
- 3.5 Industry Risk Assessment

4 DEMAND RESPONSE MARKET - BY GEOGRAPHY

- 4.1 Global Demand Response Market Value and Market Share by Regions
 - 4.1.1 Global Demand Response Value (\$) by Region (2015-2020)

- 4.1.2 Global Demand Response Value Market Share by Regions (2015-2020)
- 4.2 Global Demand Response Market Production and Market Share by Major Countries
 - 4.2.1 Global Demand Response Production by Major Countries (2015-2020)
 - 4.2.2 Global Demand Response Production Market Share by Major Countries (2015-2020)
- 4.3 Global Demand Response Market Consumption and Market Share by Regions
 - 4.3.1 Global Demand Response Consumption by Regions (2015-2020)
 - 4.3.2 Global Demand Response Consumption Market Share by Regions (2015-2020)

5 DEMAND RESPONSE MARKET - BY TRADE STATISTICS

- 5.1 Global Demand Response Export and Import
- 5.2 United States Demand Response Export and Import (2015-2020)
- 5.3 Europe Demand Response Export and Import (2015-2020)
- 5.4 China Demand Response Export and Import (2015-2020)
- 5.5 Japan Demand Response Export and Import (2015-2020)
- 5.6 India Demand Response Export and Import (2015-2020)
- 5.7 ...

6 DEMAND RESPONSE MARKET - BY TYPE

- 6.1 Global Demand Response Production and Market Share by Types (2015-2020)
 - 6.1.1 Global Demand Response Production by Types (2015-2020)
 - 6.1.2 Global Demand Response Production Market Share by Types (2015-2020)
- 6.2 Global Demand Response Value and Market Share by Types (2015-2020)
 - 6.2.1 Global Demand Response Value by Types (2015-2020)
 - 6.2.2 Global Demand Response Value Market Share by Types (2015-2020)
- 6.3 Global Demand Response Production, Price and Growth Rate of Hardware (2015-2020)
- 6.4 Global Demand Response Production, Price and Growth Rate of Service (2015-2020)
- 6.5 Global Demand Response Production, Price and Growth Rate of Software (2015-2020)

7 DEMAND RESPONSE MARKET - BY APPLICATION

- 7.1 Global Demand Response Consumption and Market Share by Applications (2015-2020)
 - 7.1.1 Global Demand Response Consumption by Applications (2015-2020)

7.1.2 Global Demand Response Consumption Market Share by Applications
(2015-2020)

7.2 Global Demand Response Consumption and Growth Rate of Industrial (2015-2020)

7.3 Global Demand Response Consumption and Growth Rate of Residential
(2015-2020)

7.4 Global Demand Response Consumption and Growth Rate of Commercial
(2015-2020)

8 NORTH AMERICA DEMAND RESPONSE MARKET

8.1 North America Demand Response Market Size

8.2 United States Demand Response Market Size

8.3 Canada Demand Response Market Size

8.4 Mexico Demand Response Market Size

8.5 The Influence of COVID-19 on North America Market

9 EUROPE DEMAND RESPONSE MARKET ANALYSIS

9.1 Europe Demand Response Market Size

9.2 Germany Demand Response Market Size

9.3 United Kingdom Demand Response Market Size

9.4 France Demand Response Market Size

9.5 Italy Demand Response Market Size

9.6 Spain Demand Response Market Size

9.7 The Influence of COVID-19 on Europe Market

10 ASIA-PACIFIC DEMAND RESPONSE MARKET ANALYSIS

10.1 Asia-Pacific Demand Response Market Size

10.2 China Demand Response Market Size

10.3 Japan Demand Response Market Size

10.4 South Korea Demand Response Market Size

10.5 Southeast Asia Demand Response Market Size

10.6 India Demand Response Market Size

10.7 The Influence of COVID-19 on Asia Pacific Market

11 MIDDLE EAST AND AFRICA DEMAND RESPONSE MARKET ANALYSIS

11.1 Middle East and Africa Demand Response Market Size

- 11.2 Saudi Arabia Demand Response Market Size
- 11.3 UAE Demand Response Market Size
- 11.4 South Africa Demand Response Market Size
- 11.5 The Influence of COVID-19 on Middle East and Africa Market

12 SOUTH AMERICA DEMAND RESPONSE MARKET ANALYSIS

- 12.1 South America Demand Response Market Size
- 12.2 Brazil Demand Response Market Size
- 12.3 The Influence of COVID-19 on South America Market

13 COMPANY PROFILES

- 13.1 Schneider Electric
 - 13.1.1 Schneider Electric Basic Information
 - 13.1.2 Schneider Electric Product Profiles, Application and Specification
 - 13.1.3 Schneider Electric Demand Response Market Performance (2015-2020)
- 13.2 Oracle
 - 13.2.1 Oracle Basic Information
 - 13.2.2 Oracle Product Profiles, Application and Specification
 - 13.2.3 Oracle Demand Response Market Performance (2015-2020)
- 13.3 Comverge
 - 13.3.1 Comverge Basic Information
 - 13.3.2 Comverge Product Profiles, Application and Specification
 - 13.3.3 Comverge Demand Response Market Performance (2015-2020)
- 13.4 Siemens AG
 - 13.4.1 Siemens AG Basic Information
 - 13.4.2 Siemens AG Product Profiles, Application and Specification
 - 13.4.3 Siemens AG Demand Response Market Performance (2015-2020)
- 13.5 Toshiba
 - 13.5.1 Toshiba Basic Information
 - 13.5.2 Toshiba Product Profiles, Application and Specification
 - 13.5.3 Toshiba Demand Response Market Performance (2015-2020)
- 13.6 ABB
 - 13.6.1 ABB Basic Information
 - 13.6.2 ABB Product Profiles, Application and Specification
 - 13.6.3 ABB Demand Response Market Performance (2015-2020)
- 13.7 Eaton
 - 13.7.1 Eaton Basic Information

- 13.7.2 Eaton Product Profiles, Application and Specification
- 13.7.3 Eaton Demand Response Market Performance (2015-2020)
- 13.8 Honeywell International
 - 13.8.1 Honeywell International Basic Information
 - 13.8.2 Honeywell International Product Profiles, Application and Specification
 - 13.8.3 Honeywell International Demand Response Market Performance (2015-2020)
- 13.9 Cisco
 - 13.9.1 Cisco Basic Information
 - 13.9.2 Cisco Product Profiles, Application and Specification
 - 13.9.3 Cisco Demand Response Market Performance (2015-2020)
- 13.10 GE
 - 13.10.1 GE Basic Information
 - 13.10.2 GE Product Profiles, Application and Specification
 - 13.10.3 GE Demand Response Market Performance (2015-2020)
- 13.11 Enernoc
 - 13.11.1 Enernoc Basic Information
 - 13.11.2 Enernoc Product Profiles, Application and Specification
 - 13.11.3 Enernoc Demand Response Market Performance (2015-2020)
- 13.12 Landis+Gyr
 - 13.12.1 Landis+Gyr Basic Information
 - 13.12.2 Landis+Gyr Product Profiles, Application and Specification
 - 13.12.3 Landis+Gyr Demand Response Market Performance (2015-2020)
- 13.13 Johnson Controls
 - 13.13.1 Johnson Controls Basic Information
 - 13.13.2 Johnson Controls Product Profiles, Application and Specification
 - 13.13.3 Johnson Controls Demand Response Market Performance (2015-2020)
- 13.14 Eaton
 - 13.14.1 Eaton Basic Information
 - 13.14.2 Eaton Product Profiles, Application and Specification
 - 13.14.3 Eaton Demand Response Market Performance (2015-2020)
- 13.15 ALSTOM
 - 13.15.1 ALSTOM Basic Information
 - 13.15.2 ALSTOM Product Profiles, Application and Specification
 - 13.15.3 ALSTOM Demand Response Market Performance (2015-2020)

14 MARKET FORECAST - BY REGIONS

- 14.1 North America Demand Response Market Forecast (2020-2025)
- 14.2 Europe Demand Response Market Forecast (2020-2025)

14.3 Asia-Pacific Demand Response Market Forecast (2020-2025)

14.4 Middle East and Africa Demand Response Market Forecast (2020-2025)

14.5 South America Demand Response Market Forecast (2020-2025)

15 MARKET FORECAST - BY TYPE AND APPLICATIONS

15.1 Global Demand Response Market Forecast by Types (2020-2025)

15.1.1 Global Demand Response Market Forecast Production and Market Share by Types (2020-2025)

15.1.2 Global Demand Response Market Forecast Value and Market Share by Types (2020-2025)

15.2 Global Demand Response Market Forecast by Applications (2020-2025)

List Of Tables

LIST OF TABLES AND FIGURES

Figure Demand Response Picture

Table Demand Response Key Market Segments

Figure Study and Forecasting Years

Figure Global Demand Response Market Size and Growth Rate 2015-2025

Figure Industry PESTEL Analysis

Figure Global COVID-19 Status

Figure Market Size Forecast Comparison of Pre COVID-19 and Post COVID-19

Figure Global Demand Response Value (\$) and Growth Rate (2015-2020)

Table Global Demand Response Value (\$) by Countries (2015-2020)

Table Global Demand Response Value Market Share by Regions (2015-2020)

Figure Global Demand Response Value Market Share by Regions in 2019

Figure Global Demand Response Production and Growth Rate (2015-2020)

Table Global Demand Response Production by Major Countries (2015-2020)

Table Global Demand Response Production Market Share by Major Countries (2015-2020)

Figure Global Demand Response Production Market Share by Regions in 2019

Figure Global Demand Response Consumption and Growth Rate (2015-2020)

Table Global Demand Response Consumption by Regions (2015-2020)

Table Global Demand Response Consumption Market Share by Regions (2015-2020)

Figure Global Demand Response Consumption Market Share by Regions in 2019

Table Global Demand Response Export Top 3 Country 2019

Table Global Demand Response Import Top 3 Country 2019

Table United States Demand Response Export and Import (2015-2020)

Table Europe Demand Response Export and Import (2015-2020)

Table China Demand Response Export and Import (2015-2020)

Table Japan Demand Response Export and Import (2015-2020)

Table India Demand Response Export and Import (2015-2020)

Table Global Demand Response Production by Types (2015-2020)

Table Global Demand Response Production Market Share by Types (2015-2020)

Figure Global Demand Response Production Share by Type (2015-2020)

Table Global Demand Response Value by Types (2015-2020)

Table Global Demand Response Value Market Share by Types (2015-2020)

Figure Global Demand Response Value Share by Type (2015-2020)

Figure Global Hardware Production and Growth Rate (2015-2020)

Figure Global Hardware Price (2015-2020)

Figure Global Service Production and Growth Rate (2015-2020)
Figure Global Service Price (2015-2020)
Figure Global Software Production and Growth Rate (2015-2020)
Figure Global Software Price (2015-2020)
Table Global Demand Response Consumption by Applications (2015-2020)
Table Global Demand Response Consumption Market Share by Applications (2015-2020)
Figure Global Demand Response Consumption Share by Application (2015-2020)
Figure Global Industrial Consumption and Growth Rate (2015-2020)
Figure Global Residential Consumption and Growth Rate (2015-2020)
Figure Global Commercial Consumption and Growth Rate (2015-2020)
Figure North America Demand Response Market Consumption and Growth Rate (2015-2020)
Table North America Demand Response Consumption by Countries (2015-2020)
Table North America Demand Response Consumption Market Share by Countries (2015-2020)
Figure North America Demand Response Consumption Market Share by Countries (2015-2020)
Figure United States Demand Response Market Consumption and Growth Rate (2015-2020)
Figure Canada Demand Response Market Consumption and Growth Rate (2015-2020)
Figure Mexico Demand Response Market Consumption and Growth Rate (2015-2020)
Figure North America COVID-19 Status
Figure Europe Demand Response Market Consumption and Growth Rate (2015-2020)
Table Europe Demand Response Consumption by Countries (2015-2020)
Table Europe Demand Response Consumption Market Share by Countries (2015-2020)
Figure Europe Demand Response Consumption Market Share by Countries (2015-2020)
Figure Germany Demand Response Market Consumption and Growth Rate (2015-2020)
Figure United Kingdom Demand Response Market Consumption and Growth Rate (2015-2020)
Figure France Demand Response Market Consumption and Growth Rate (2015-2020)
Figure Italy Demand Response Market Consumption and Growth Rate (2015-2020)
Figure Spain Demand Response Market Consumption and Growth Rate (2015-2020)
Figure Europe COVID-19 Status
Figure Asia-Pacific Demand Response Market Consumption and Growth Rate (2015-2020)
Table Asia-Pacific Demand Response Consumption by Countries (2015-2020)

Table Asia-Pacific Demand Response Consumption Market Share by Countries (2015-2020)

Figure Asia-Pacific Demand Response Consumption Market Share by Countries (2015-2020)

Figure China Demand Response Market Consumption and Growth Rate (2015-2020)

Figure Japan Demand Response Market Consumption and Growth Rate (2015-2020)

Figure South Korea Demand Response Market Consumption and Growth Rate (2015-2020)

Figure Southeast Asia Demand Response Market Consumption and Growth Rate (2015-2020)

Figure India Demand Response Market Consumption and Growth Rate (2015-2020)

Figure Asia Pacific COVID-19 Status

Figure Middle East and Africa Demand Response Market Consumption and Growth Rate (2015-2020)

Table Middle East and Africa Demand Response Consumption by Countries (2015-2020)

Table Middle East and Africa Demand Response Consumption Market Share by Countries (2015-2020)

Figure Middle East and Africa Demand Response Consumption Market Share by Countries (2015-2020)

Figure Saudi Arabia Demand Response Market Consumption and Growth Rate (2015-2020)

Figure UAE Demand Response Market Consumption and Growth Rate (2015-2020)

Figure South Africa Demand Response Market Consumption and Growth Rate (2015-2020)

Figure South America Demand Response Market Consumption and Growth Rate (2015-2020)

Table South America Demand Response Consumption by Countries (2015-2020)

Table South America Demand Response Consumption Market Share by Countries (2015-2020)

Figure South America Demand Response Consumption Market Share by Countries (2015-2020)

Figure Brazil Demand Response Market Consumption and Growth Rate (2015-2020)

Table Schneider Electric Company Profile

Table Schneider Electric Production, Value, Price, Gross Margin 2015-2020

Figure Schneider Electric Production and Growth Rate

Figure Schneider Electric Value (\$) Market Share 2015-2020

Table Oracle Company Profile

Table Oracle Production, Value, Price, Gross Margin 2015-2020

Figure Oracle Production and Growth Rate
Figure Oracle Value (\$) Market Share 2015-2020
Table Comverge Company Profile
Table Comverge Production, Value, Price, Gross Margin 2015-2020
Figure Comverge Production and Growth Rate
Figure Comverge Value (\$) Market Share 2015-2020
Table Siemens AG Company Profile
Table Siemens AG Production, Value, Price, Gross Margin 2015-2020
Figure Siemens AG Production and Growth Rate
Figure Siemens AG Value (\$) Market Share 2015-2020
Table Toshiba Company Profile
Table Toshiba Production, Value, Price, Gross Margin 2015-2020
Figure Toshiba Production and Growth Rate
Figure Toshiba Value (\$) Market Share 2015-2020
Table ABB Company Profile
Table ABB Production, Value, Price, Gross Margin 2015-2020
Figure ABB Production and Growth Rate
Figure ABB Value (\$) Market Share 2015-2020
Table Eaton Company Profile
Table Eaton Production, Value, Price, Gross Margin 2015-2020
Figure Eaton Production and Growth Rate
Figure Eaton Value (\$) Market Share 2015-2020
Table Honeywell International Company Profile
Table Honeywell International Production, Value, Price, Gross Margin 2015-2020
Figure Honeywell International Production and Growth Rate
Figure Honeywell International Value (\$) Market Share 2015-2020
Table Cisco Company Profile
Table Cisco Production, Value, Price, Gross Margin 2015-2020
Figure Cisco Production and Growth Rate
Figure Cisco Value (\$) Market Share 2015-2020
Table GE Company Profile
Table GE Production, Value, Price, Gross Margin 2015-2020
Figure GE Production and Growth Rate
Figure GE Value (\$) Market Share 2015-2020
Table Enernoc Company Profile
Table Enernoc Production, Value, Price, Gross Margin 2015-2020
Figure Enernoc Production and Growth Rate
Figure Enernoc Value (\$) Market Share 2015-2020
Table Landis+Gyr Company Profile

Table Landis+Gyr Production, Value, Price, Gross Margin 2015-2020

Figure Landis+Gyr Production and Growth Rate

Figure Landis+Gyr Value (\$) Market Share 2015-2020

Table Johnson Controls Company Profile

Table Johnson Controls Production, Value, Price, Gross Margin 2015-2020

Figure Johnson Controls Production and Growth Rate

Figure Johnson Controls Value (\$) Market Share 2015-2020

Table Eaton Company Profile

Table Eaton Production, Value, Price, Gross Margin 2015-2020

Figure Eaton Production and Growth Rate

Figure Eaton Value (\$) Market Share 2015-2020

Table ALSTOM Company Profile

Table ALSTOM Production, Value, Price, Gross Margin 2015-2020

Figure ALSTOM Production and Growth Rate

Figure ALSTOM Value (\$) Market Share 2015-2020

Figure North America Market Consumption and Growth Rate Forecast (2020-2025)

Figure Europe Market Consumption and Growth Rate Forecast (2020-2025)

Figure Asia-Pacific Market Consumption and Growth Rate Forecast (2020-2025)

Figure Middle East and Africa Market Consumption and Growth Rate Forecast (2020-2025)

Figure South America Market Consumption and Growth Rate Forecast (2020-2025)

Table Global Demand Response Market Forecast Production by Types (2020-2025)

Table Global Demand Response Market Forecast Production Share by Types (2020-2025)

Table Global Demand Response Market Forecast Value (\$) by Types (2020-2025)

Table Global Demand Response Market Forecast Value Share by Types (2020-2025)

Table Global Demand Response Market Forecast Consumption by Applications (2020-2025)

Table Global Demand Response Market Forecast Consumption Share by Applications (2020-2025)

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