

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

<https://marketpublishers.com/r/278D3ABD1C0BEN.html>

Date: July 2021

Pages: 96

Price: US\$ 3,360.00 (Single User License)

ID: 278D3ABD1C0BEN

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

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