

# **Smart Grid Market Size, Share, and Analysis, By Component (Software, Hardware, Services), By Technology (Wireless, Wired), By Solution (Smart Grid Security, Smart Grid Communications, Smart Grid Distribution Management, Smart Grid Network Management, Advanced Metering Infrastructure, Substation Automation, Others), By Application (Generation, Distribution, Transmission, Consumption/End Use), By End User (Residential, Commercial, Industrial) and Regional Forecasts, 2022-2032**

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## **Abstracts**

Smart Grid Market Size, Share, and Analysis, By Component (Software, Hardware, Services), By Technology (Wireless, Wired), By Solution (Smart Grid Security, Smart Grid Communications, Smart Grid Distribution Management, Smart Grid Network Management, Advanced Metering Infrastructure, Substation Automation, Others), By Application (Generation, Distribution, Transmission, Consumption/End Use), By End User (Residential, Commercial, Industrial) and Regional Forecasts, 2022-2032

## **PRODUCT OVERVIEW**

Smart Grid Market size was USD 33.18 billion in 2021 and projected to grow from USD 46.5 billion in 2023 to USD 216.6 billion by 2032, exhibiting a CAGR of 18.6% during the forecast period.

Smart Grids are usually referred as sensible electrical network which consists of a smart data communication technology and an electrical network. Smart grid was initiated to control the defects of conventional electrical grids through utilizing smart meters. It is capable of conveying electricity from multiple sources like solar energy systems, wind turbines to the user. A smart grid is an electricity network utilizing automated technology for giving electricity to consumers by two-part data communication. This system permits observing, examination, control, and communication within the supply chain to aid in improving the effectiveness and boost the transparency of the energy supply chain.

## MARKET HIGHLIGHTS

Smart Grid Market is expected to reach USD 216.6 billion, growing at a CAGR of 18.6% during forecast period owing to the growing issues related to the protection of environment and increasing usage of smart grid technology for enhancing effectiveness in energy preservation and utilization which are boosting the growth of the market. Favourable government strategies & regulations to utilize smart meters and growing investments in digital electricity infrastructure are also anticipated to drive the demand for the growth of the market.

### Smart Grid Market Segments:

Component

Software

Hardware

Services

Technology

Wireless

Wired

Solution

Smart Grid Security

Smart Grid Communications

Smart Grid Distribution Management

Smart Grid Network Management

Advanced Metering Infrastructure

Substation Automation

Others

Application

Generation

Distribution

Transmission

Consumption/End Use

End User

Residential

Commercial

Industrial

## MARKET DYNAMICS

Growth Drivers

Enhanced Grid Reliability is Expected to Boost the Growth of the Market

Supportive Governments Regulations are Expected to Boost the Market Growth

*Smart Grid Market Size, Share, and Analysis, By Component (Software, Hardware, Services), By Technology (Wireless, Wired), By Region (North America, Europe, Asia-Pacific, Latin America, Middle East)*

## Restraint

High Implementation Costs May Restrain the Growth of the Market

## Key Players

ABB

Schneider Electric

Oracle

Cisco

Trilliant Holdings

GE

Siemens

Itron

Aclara

IBM

OSI

Wipro

Honeywell

Eaton

S&C

Globema

Other Prominent Players (Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each

region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

## Contents

### **1. EXECUTIVE SUMMARY**

- 1.1. Regional Market Share
- 1.2. Business Trends
- 1.3. Smart Grid Market: COVID-19 Outbreak
- 1.4. Regional Trends
- 1.5. Segmentation Snapshot

### **2. RESEARCH METHODOLOGY**

- 2.1. Research Objective
- 2.2. Research Approach
- 2.3. Data Sourcing and Methodology
- 2.4. Primary Research
- 2.5. Secondary Research
  - 2.5.1. Paid Sources
  - 2.5.2. Public Sources
- 2.6. Market Size Estimation and Data Triangulation

### **3. MARKET CHARACTERISTICS**

- 3.1. Market Definition
- 3.2. Smart Grid Market: COVID-19 Impact
- 3.3. Key Segmentations
- 3.4. Key Developments
- 3.5. Allied Industry Data

### **4. SMART GRID MARKET – INDUSTRY INSIGHTS**

- 4.1. Industry Segmentation
- 4.2. COVID-19 overview on world economy
- 4.3. Industry ecosystem Channel analysis
- 4.4. Innovation & Sustainability

### **5. MACROECONOMIC INDICATORS**

### **6. RECENT DEVELOPMENTS**

## **7.MARKET DYNAMICS**

- 7.1. Introduction
- 7.2.Growth Drivers
- 7.3.Market Opportunities
- 7.4. Market Restraints
- 7.5.Market Trends

## **8. RISK ANALYSIS**

## **9. MARKET ANALYSIS**

- 9.1. Porters Five Forces
- 9.2.PEST Analysis
  - 9.2.1. Political
  - 9.2.2.Economic
  - 9.2.3.Social
  - 9.2.4.Technological

## **10. SMART GRID MARKET**

- 10.1.Overview
- 10.2. Historical Analysis (2016-2021)
  - 10.2.1. Market Size, Y-o-Y Growth (%) and Market Forecast

## **11.SMART GRID MARKET SIZE & FORECAST 2022A-2032F**

- 11.1.Overview
- 11.2. Key Findings
- 11.3. Market Segmentation
  - 11.3.1.By Component
    - 11.3.1.1. Software
      - 11.3.1.1.1. By Value (USD Million) 2022-2032F
      - 11.3.1.1.2.Market Share (%) 2022-2032F
      - 11.3.1.1.3.Y-o-Y Growth (%) 2022-2032F
    - 11.3.1.2.Hardware
      - 11.3.1.2.1.By Value (USD Million) 2022-2032F
      - 11.3.1.2.2. Market Share (%) 2022-2032F



- 11.3.1.2.3. Y-o-Y Growth (%) 2022-2032F
- 11.3.1.3.Services
  - 11.3.1.3.1.By Value (USD Million) 2022-2032F
  - 11.3.1.3.2. Market Share (%) 2022-2032F
  - 11.3.1.3.3. Y-o-Y Growth (%) 2022-2032F
- 11.3.2. By Technology
  - 11.3.2.1.Wireless
    - 11.3.2.1.1.By Value (USD Million) 2022-2032F
    - 11.3.2.1.2. Market Share (%) 2022-2032F
    - 11.3.2.1.3. Y-o-Y Growth (%) 2022-2032F
  - 11.3.2.2. Wired
    - 11.3.2.2.1. By Value (USD Million) 2022-2032F
    - 11.3.2.2.2.Market Share (%) 2022-2032F
    - 11.3.2.2.3.Y-o-Y Growth (%) 2022-2032F
- 11.3.3. By Solution
  - 11.3.3.1.Smart Grid Security
    - 11.3.3.1.1.By Value (USD Million) 2022-2032F
    - 11.3.3.1.2. Market Share (%) 2022-2032F
    - 11.3.3.1.3. Y-o-Y Growth (%) 2022-2032F
  - 11.3.3.2. Smart Grid Communications
    - 11.3.3.2.1. By Value (USD Million) 2022-2032F
    - 11.3.3.2.2.Market Share (%) 2022-2032F
    - 11.3.3.2.3.Y-o-Y Growth (%) 2022-2032F
  - 11.3.3.3. Smart Grid Distribution Management
    - 11.3.3.3.1. By Value (USD Million) 2022-2032F
    - 11.3.3.3.2.Market Share (%) 2022-2032F
    - 11.3.3.3.3.Y-o-Y Growth (%) 2022-2032F
  - 11.3.3.4. Smart Grid Network Management
    - 11.3.3.4.1. By Value (USD Million) 2022-2032F
    - 11.3.3.4.2. Market Share (%) 2022-2032F
    - 11.3.3.4.3. Y-o-Y Growth (%) 2022-2032F
  - 11.3.3.5. Advanced Metering Infrastructure
    - 11.3.3.5.1. By Value (USD Million) 2022-2032F
    - 11.3.3.5.2.Market Share (%) 2022-2032F
    - 11.3.3.5.3.Y-o-Y Growth (%) 2022-2032F
  - 11.3.3.6. Substation Automation
    - 11.3.3.6.1. By Value (USD Million) 2022-2032F
    - 11.3.3.6.2.Market Share (%) 2022-2032F
    - 11.3.3.6.3.Y-o-Y Growth (%) 2022-2032F

- 11.3.3.7. Others
  - 11.3.3.7.1. By Value (USD Million) 2022-2032F
  - 11.3.3.7.2. Market Share (%) 2022-2032F
  - 11.3.3.7.3. Y-o-Y Growth (%) 2022-2032F
- 11.3.4. By Application
  - 11.3.4.1. Generation
    - 11.3.4.1.1. By Value (USD Million) 2022-2032F
    - 11.3.4.1.2. Market Share (%) 2022-2032F
    - 11.3.4.1.3. Y-o-Y Growth (%) 2022-2032F
  - 11.3.4.2. Distribution
    - 11.3.4.2.1. By Value (USD Million) 2022-2032F
    - 11.3.4.2.2. Market Share (%) 2022-2032F
    - 11.3.4.2.3. Y-o-Y Growth (%) 2022-2032F
  - 11.3.4.3. Transmission
    - 11.3.4.3.1. By Value (USD Million) 2022-2032F
    - 11.3.4.3.2. Market Share (%) 2022-2032F
    - 11.3.4.3.3. Y-o-Y Growth (%) 2022-2032F
  - 11.3.4.4. Consumption/End Use
    - 11.3.4.4.1. By Value (USD Million) 2022-2032F
    - 11.3.4.4.2. Market Share (%) 2022-2032F
    - 11.3.4.4.3. Y-o-Y Growth (%) 2022-2032F
- 11.3.5. By End User
  - 11.3.5.1. Residential
    - 11.3.5.1.1. By Value (USD Million) 2022-2032F
    - 11.3.5.1.2. Market Share (%) 2022-2032F
    - 11.3.5.1.3. Y-o-Y Growth (%) 2022-2032F
  - 11.3.5.2. Commercial
    - 11.3.5.2.1. By Value (USD Million) 2022-2032F
    - 11.3.5.2.2. Market Share (%) 2022-2032F
    - 11.3.5.2.3. Y-o-Y Growth (%) 2022-2032F
  - 11.3.5.3. Industrial
    - 11.3.5.3.1. By Value (USD Million) 2022-2032F
    - 11.3.5.3.2. Market Share (%) 2022-2032F
    - 11.3.5.3.3. Y-o-Y Growth (%) 2022-2032F

## **12. NORTH AMERICA SMART GRID MARKET SIZE & FORECAST 2022A-2032F**

### **12.1. Overview**

### **12.2. Key Findings**

### 12.3. Market Segmentation

12.3.1. By Component

12.3.2. By Technology

12.3.3. By Solution

12.3.4. By Application

12.3.5. By End User

### 12.4. Country

12.4.1. United States

12.4.2. Canada

## 13. EUROPE SMART GRID MARKET SIZE & FORECAST 2022A-2032F

### 13.1. Overview

### 13.2. Key Findings

### 13.3. Market Segmentation

13.3.1. By Component

13.3.2. By Technology

13.3.3. By Solution

13.3.4. By Application

13.3.5. By End User

### 13.4. Country

13.4.1. Germany

13.4.2. United Kingdom

13.4.3. France

13.4.4. Italy

13.4.5. Spain

13.4.6. Russia

13.4.7. Rest of Europe (BENELUX, NORDIC, Hungary, Turkey & Poland)

## 14. ASIA SMART GRID MARKET SIZE & FORECAST 2022A-2032F

### 14.1. Overview

### 14.2. Key Findings

### 14.3. Market Segmentation

14.3.1. By Component

14.3.2. By Technology

14.3.3. By Solution

14.3.4. By Application

14.3.5. By End User

#### 14.4. Country

14.4.1. India

14.4.2. China

14.4.3. South Korea

14.4.4. Japan

14.4.5. Rest of APAC

### **15. MIDDLE EAST AND AFRICA SMART GRID MARKET SIZE & FORECAST 2022A-2032F**

#### 15.1. Overview

#### 15.2. Key Findings

#### 15.3. Market Segmentation

15.3.1. By Component

15.3.2. By Technology

15.3.3. By Solution

15.3.4. By Application

15.3.5. By End User

#### 15.4. Country

15.4.1. Israel

15.4.2. GCC

15.4.3. North Africa

15.4.4. South Africa

15.4.5. Rest of Middle East and Africa

### **16. LATIN AMERICA SMART GRID MARKET SIZE & FORECAST 2022A-2032F**

#### 16.1. Overview

#### 16.2. Key Findings

#### 16.3. Market Segmentation

16.3.1. By Component

16.3.2. By Technology

16.3.3. By Solution

16.3.4. By Application

16.3.5. By End User

#### 16.4. Country

16.4.1. Mexico

16.4.2. Brazil

16.4.3. Rest of Latin America

## **17. COMPETITIVE LANDSCAPE**

17.1. Company market share, 2021

17.2. Key player overview

17.3. Key stakeholders

## **18. COMPANY PROFILES**

18.1. ABB

18.1.1. Company Overview

18.1.2. Financial Overview

18.1.3. Key Product; Analysis

18.1.4. Company Assessment

18.1.4.1. Product Portfolio

18.1.4.2. Key Clients

18.1.4.3. Market Share

18.1.4.4. Recent News & Development (Last 3 Yrs.)

18.1.4.5. Executive Team

18.2. Schneider Electric

18.3. Oracle

18.4. Cisco

18.5. Trilliant Holdings

18.6. GE

18.7. Siemens

18.8. Itron

18.9. Aclara

18.10. IBM

18.11. OSI

18.12. Wipro

18.13. Honeywell

18.14. Eaton

18.15. S&C

18.16. Globema

18.17. Other Prominent Players

## **19. APPENDIX**

## **20. CONSULTANT RECOMMENDATION**



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