

# **Grid Analytics Market Size, Share & Trends Analysis Report By Component Type (Software, Services, Hardware), By Application (Asset Management, Grid Operations & Reliability), By Region, And Segment Forecasts, 2025 - 2033**

<https://marketpublishers.com/r/G13789CF0BF1EN.html>

Date: December 2025

Pages: 120

Price: US\$ 5,950.00 (Single User License)

ID: G13789CF0BF1EN

## **Abstracts**

### Summary

The global grid analytics market size was estimated at approximately USD 6.67 billion in 2024 and is projected to reach USD 17.48 billion by 2033, growing at a CAGR of 11.18% from 2025 to 2033. The market expansion is driven by the accelerating digital transformation of power utilities, increasing deployment of smart grids, and the growing need to enhance grid reliability, resilience, and operational efficiency.

Governments and regulatory bodies are also encouraging grid modernization initiatives and data-driven decision-making to optimize energy distribution, reduce transmission losses, and ensure grid stability, further fueling market growth.

The market in North America is growing steadily, driven by the rapid modernization of aging grid infrastructure, strong investments in smart grid technologies, and the widespread adoption of advanced metering infrastructure (AMI). Utilities across the U.S. and Canada are increasingly leveraging data-driven platforms to improve outage management, enhance load forecasting, reduce transmission losses, and integrate distributed energy resources such as solar, wind, and EV charging networks. Supportive regulatory frameworks, cybersecurity mandates, and federal funding programs for grid resilience are accelerating the adoption of analytics solutions.

The APAC market is experiencing robust growth due to rapid urbanization, increasing

electricity demand, and large-scale initiatives focused on grid digitization and renewable energy integration. Countries such as China, India, Japan, South Korea, and Australia are prioritizing smart grid development to improve grid reliability, reduce power outages, and manage fluctuating loads caused by the fast adoption of solar energy and distributed generation.

## Global Grid Analytics Market Report Segmentation

This report forecasts revenue growth at global, regional, and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the global grid analytics market report based on component type, application, and region:

### Component Type Outlook (Revenue, USD Million, 2021 - 2033)

Software

Services

Hardware

### Application Outlook (Revenue, USD Million, 2021 - 2033)

Asset Management

Grid Operations & Reliability

Load & Demand Forecasting

Advanced Metering & Customer Analytics

### Regional Outlook (Revenue, USD Million, 2021 - 2033)

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Asia Pacific

China

India

Japan

South Korea

Latin America

Brazil

Middle East & Africa

Saudi Arabia

UAE

**This report can be delivered to the clients within 7 Business Days**

## Contents

### CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation & Scope
- 1.2. Market Definition
- 1.3. Information Procurement
  - 1.3.1. Information Analysis
  - 1.3.2. Market Formulation & Data Visualization
  - 1.3.3. Data Validation & Publishing
- 1.4. Research Scope and Assumptions
  - 1.4.1. List of Data Component Type

### CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Snapshot
- 2.2. Segmental Outlook
- 2.3. Competitive Outlook

### CHAPTER 3. MARKET VARIABLES, TRENDS, AND SCOPE

- 3.1. Market Lineage Outlook
- 3.2. Penetration & Growth Prospect Mapping
- 3.3. Value Chain Analysis
- 3.4. Regulatory Framework
  - 3.4.1. Standards & Compliance
  - 3.4.2. Regulatory Impact Analysis
- 3.5. Market Dynamics
  - 3.5.1. Market Driver Analysis
  - 3.5.2. Market Restraint Analysis
  - 3.5.3. Market Opportunities
  - 3.5.4. Market Challenges
- 3.6. Porter's Five Forces Analysis
  - 3.6.1. Bargaining Power of Suppliers
  - 3.6.2. Bargaining Power of Buyers
  - 3.6.3. Threat of Substitution
  - 3.6.4. Threat of New Entrants
  - 3.6.5. Competitive Rivalry
- 3.7. PESTLE Analysis

- 3.7.1. Political
- 3.7.2. Economic
- 3.7.3. Social Landscape
- 3.7.4. Component Type
- 3.7.5. Environmental
- 3.7.6. Legal

## **CHAPTER 4. GRID ANALYTICS MARKET: COMPONENT TYPE ESTIMATES & TREND ANALYSIS**

- 4.1. Grid Analytics Market: Component Type Movement Analysis, 2024 & 2033
- 4.2. Software
  - 4.2.1. Market estimates and forecasts, 2021 - 2033 (USD Million)
- 4.3. Services
  - 4.3.1. Market estimates and forecasts, 2021 - 2033 (USD Million)
- 4.4. Hardware
  - 4.4.1. Market estimates and forecasts, 2021 - 2033 (USD Million)

## **CHAPTER 5. GRID ANALYTICS MARKET: APPLICATION ESTIMATES & TREND ANALYSIS**

- 5.1. Grid Analytics Market: Application Movement Analysis, 2024 & 2033
- 5.2. Asset Management
  - 5.2.1. Market estimates and forecasts, 2021 - 2033 (USD Million)
- 5.3. Grid Operations & Reliability
  - 5.3.1. Market estimates and forecasts, 2021 - 2033 (USD Million)
- 5.4. Load & Demand Forecasting
  - 5.4.1. Market estimates and forecasts, 2021 - 2033 (USD Million)
- 5.5. Advanced Metering & Customer Analytics
  - 5.5.1. Market estimates and forecasts, 2021 - 2033 (USD Million)

## **CHAPTER 6. GRID ANALYTICS MARKET: REGIONAL ESTIMATES & TREND ANALYSIS**

- 6.1. Regional Analysis, 2024 & 2033
- 6.2. North America
  - 6.2.1. Market estimates and forecasts, 2021 - 2033 (USD Million)
  - 6.2.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)
  - 6.2.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)

#### 6.2.4. U.S.

6.2.4.1. Market estimates and forecasts, 2021 - 2033 (USD Million)

6.2.4.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)

6.2.4.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)

#### 6.2.5. Canada

6.2.5.1. Market estimates and forecasts, 2021 - 2033 (USD Million)

6.2.5.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)

6.2.5.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)

#### 6.2.6. Mexico

6.2.6.1. Market estimates and forecasts, 2021 - 2033 (USD Million)

6.2.6.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)

6.2.6.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)

#### 6.3. Europe

6.3.1. Market estimates and forecasts, 2021 - 2033 (USD Million)

6.3.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)

6.3.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)

#### 6.3.4. Germany

6.3.4.1. Market estimates and forecasts, 2021 - 2033 (USD Million)

6.3.4.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)

6.3.4.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)

#### 6.3.5. UK

6.3.5.1. Market estimates and forecasts, 2021 - 2033 (USD Million)

6.3.5.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)

6.3.5.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)

#### 6.3.6. France

6.3.6.1. Market estimates and forecasts, 2021 - 2033 (USD Million)

6.3.6.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)

6.3.6.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)

#### 6.4. Asia Pacific

6.4.1. Market estimates and forecasts, 2021 - 2033 (USD Million)

6.4.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)

6.4.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)

#### 6.4.4. China

- 6.4.4.1. Market estimates and forecasts, 2021 - 2033 (USD Million)
- 6.4.4.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)
- 6.4.4.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)
- 6.4.5. India
  - 6.4.5.1. Market estimates and forecasts, 2021 - 2033 (USD Million)
  - 6.4.5.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)
  - 6.4.5.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)
- 6.4.6. Japan
  - 6.4.6.1. Market estimates and forecasts, 2021 - 2033 (USD Million)
  - 6.4.6.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)
  - 6.4.6.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)
- 6.4.7. South Korea
  - 6.4.7.1. Market estimates and forecasts, 2021 - 2033 (USD Million)
  - 6.4.7.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)
  - 6.4.7.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)
- 6.5. Latin America
  - 6.5.1. Market estimates and forecasts, 2021 - 2033 (USD Million)
  - 6.5.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)
  - 6.5.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)
  - 6.5.4. Brazil
    - 6.5.4.1. Market estimates and forecasts, 2021 - 2033 (USD Million)
    - 6.5.4.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)
    - 6.5.4.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)
- 6.6. Middle East & Africa
  - 6.6.1. Market estimates and forecasts, 2021 - 2033 (USD Million)
  - 6.6.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)
  - 6.6.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)
  - 6.6.4. Saudi Arabia
    - 6.6.4.1. Market estimates and forecasts, 2021 - 2033 (USD Million)
    - 6.6.4.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)
    - 6.6.4.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)
  - 6.6.5. UAE
    - 6.6.5.1. Market estimates and forecasts, 2021 - 2033 (USD Million)

6.6.5.2. Market estimates and forecasts, by component type, 2021 - 2033 (USD Million)

6.6.5.3. Market estimates and forecasts, by application, 2021 - 2033 (USD Million)

## **CHAPTER 7. COMPETITIVE LANDSCAPE**

7.1. Recent Developments By Key Market Participants

7.2. Company Categorization

7.3. List of Key Component Suppliers & Channel Partners

7.4. Company Market Share & Positioning Analysis, 2024

7.5. Heat Map Analysis

7.6. Vendor Landscape

7.6.1. List of Raw Material Suppliers

7.6.2. List of Distributors/Traders

7.6.3. List of Other Prominent Manufacturers

7.7. List of Prospective Applications

7.8. Strategy Mapping

7.9. Company Profiles/Listing

7.9.1. Siemens AG

7.9.1.1. Company Overview

7.9.1.2. Financial Performance

7.9.1.3. Product Benchmarking

7.9.2. IBM Corporation

7.9.2.1. Company Overview

7.9.2.2. Financial Performance

7.9.2.3. Product Benchmarking

7.9.3. GE Vernova (General Electric)

7.9.3.1. Company Overview

7.9.3.2. Financial Performance

7.9.3.3. Product Benchmarking

7.9.4. Oracle Corporation

7.9.4.1. Company Overview

7.9.4.2. Financial Performance

7.9.4.3. Product Benchmarking

7.9.5. Schneider Electric SE

7.9.5.1. Company Overview

7.9.5.2. Financial Performance

7.9.5.3. Product Benchmarking

7.9.6. ABB Ltd.

- 7.9.6.1. Company Overview
- 7.9.6.2. Financial Performance
- 7.9.6.3. Product Benchmarking
- 7.9.7. Itron, Inc.
  - 7.9.7.1. Company Overview
  - 7.9.7.2. Financial Performance
  - 7.9.7.3. Product Benchmarking
- 7.9.8. SAS Institute Inc.
  - 7.9.8.1. Company Overview
  - 7.9.8.2. Financial Performance
  - 7.9.8.3. Product Benchmarking
- 7.9.9. Honeywell International Inc.
  - 7.9.9.1. Company Overview
  - 7.9.9.2. Financial Performance
  - 7.9.9.3. Product Benchmarking
- 7.9.10. Capgemini SE
  - 7.9.10.1. Company Overview
  - 7.9.10.2. Financial Performance
  - 7.9.10.3. Product Benchmarking

## List Of Tables

### LIST OF TABLES

Table 1 Global grid analytics market estimates & forecasts, 2021 - 2033 (USD Million)

Table 2 Grid analytics market estimates & forecasts, by component type, 2021 - 2033 (USD Million)

Table 3 Software market estimates & forecasts, 2021 - 2033 (USD Million)

Table 4 Services market estimates & forecasts, 2021 - 2033 (USD Million)

Table 5 Hardware market estimates & forecasts, 2021 - 2033 (USD Million)

Table 6 Grid Analytics market estimates & forecasts, by application, 2021 - 2033 (USD Million)

Table 7 Asset Management market estimates & forecasts, 2021 - 2033 (USD Million)

Table 8 Grid Operations & Reliability market estimates & forecasts, 2021 - 2033 (USD Million)

Table 9 Load & Demand Forecasting market estimates & forecasts, 2021 - 2033 (USD Million)

Table 10 Advanced Metering & Customer Analytics market estimates & forecasts, 2021 - 2033 (USD Million)

Table 11 North America Grid Analytics market estimates & forecast, 2021 - 2033 (USD Million)

Table 12 North America Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)

Table 13 North America Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)

Table 14 U.S. Grid Analytics market estimates & forecasts, 2021 - 2033 (USD Million)

Table 15 U.S. Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)

Table 16 U.S. Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)

Table 17 Canada Grid Analytics market estimates & forecasts, 2021 - 2033 (USD Million)

Table 18 Canada Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)

Table 19 Canada Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)

Table 20 Mexico Grid Analytics market estimates & forecasts, 2021 - 2033 (USD Million)

- Table 21 Mexico Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)
- Table 22 Mexico Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)
- Table 23 Europe Grid Analytics market estimates & forecasts, 2021 - 2033 (USD Million)
- Table 24 Europe Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)
- Table 25 Europe Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)
- Table 26 Germany Grid Analytics market estimates & forecasts, 2021 - 2033 (USD Million)
- Table 27 Germany Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)
- Table 28 Germany Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)
- Table 29 France Grid Analytics market estimates & forecasts, 2021 - 2033 (USD Million)
- Table 30 France Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)
- Table 31 France Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)
- Table 32 UK Grid Analytics market estimates & forecast, 2021 - 2033 (USD Million)
- Table 33 UK Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)
- Table 34 UK Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)
- Table 35 Asia Pacific Grid Analytics market estimates & forecast, 2021 - 2033 (USD Million)
- Table 36 Asia Pacific Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)
- Table 37 Asia Pacific Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)
- Table 38 China Grid Analytics market estimates & forecast, 2021 - 2033 (USD Million)
- Table 39 China Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)
- Table 40 China Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)
- Table 41 Japan Grid Analytics market estimates & forecast, 2021 - 2033 (USD Million)
- Table 42 Japan Grid Analytics market estimates & forecasts by component type, 2021 -

2033 (USD Million)

Table 43 Japan Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)

Table 44 South Korea Grid Analytics market estimates & forecast, 2021 - 2033 (USD Million)

Table 45 South Korea Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)

Table 46 South Korea Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)

Table 47 India Grid Analytics market estimates & forecast, 2021 - 2033 (USD Million)

Table 48 India Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)

Table 49 India Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)

Table 50 Latin America Grid Analytics Market Estimates & forecasts, 2021 - 2033 (USD Million)

Table 51 Latin America Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)

Table 52 Latin America Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)

Table 53 Brazil Grid Analytics market estimates & forecasts, 2021 - 2033 (USD Million)

Table 54 Brazil Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)

Table 55 Brazil Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)

Table 56 Middle East & Africa Grid Analytics market estimates & forecast, 2021 - 2033 (USD Million)

Table 57 Middle East & Africa Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)

Table 58 Middle East & Africa Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)

Table 59 Saudi Arabia Grid Analytics market estimates & forecasts, 2021 - 2033 (USD Million)

Table 60 Saudi Arabia Grid Analytics market estimates & forecasts by component type, 2021 - 2033 (USD Million)

Table 61 Saudi Arabia Grid Analytics market estimates & forecasts by application, 2021 - 2033 (USD Million)

Table 62 UAE Grid Analytics market estimates & forecast, 2021 - 2033 (USD Million)

Table 63 UAE Grid Analytics market estimates & forecasts by component type, 2021 -

2033 (USD Million)

Table 64 UAE Grid Analytics market estimates & forecasts by application, 2021 - 2033  
(USD Million)

## List Of Figures

### LIST OF FIGURES

- Fig. 1 Market segmentation
- Fig. 2 Information procurement
- Fig. 3 Data analysis models
- Fig. 4 Market formulation and validation
- Fig. 5 Data validating & publishing
- Fig. 6 Market snapshot
- Fig. 7 Segmental outlook - Component Type & Application
- Fig. 8 Competitive Outlook
- Fig. 9 Grid analytics market outlook, 2021 - 2033 (USD Million)
- Fig. 10 Value chain analysis
- Fig. 11 Market dynamics
- Fig. 12 Porter's Analysis
- Fig. 13 PESTEL Analysis
- Fig. 14 Grid Analytics market, by component type: Key takeaways
- Fig. 15 Grid Analytics market, by component type: Market share, 2024 & 2033
- Fig. 16 Grid Analytics market, by application: Key takeaways
- Fig. 17 Grid Analytics market, by application: Market share, 2024 & 2033
- Fig. 18 Grid Analytics market: Regional analysis, 2024 & 2033
- Fig. 19 Grid Analytics market, by region: Key takeaways

## I would like to order

Product name: Grid Analytics Market Size, Share & Trends Analysis Report By Component Type (Software, Services, Hardware), By Application (Asset Management, Grid Operations & Reliability), By Region, And Segment Forecasts, 2025 - 2033

Product link: <https://marketpublishers.com/r/G13789CF0BF1EN.html>

Price: US\$ 5,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G13789CF0BF1EN.html>