

Global Power Grid Fault Prediction Service Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G759369D80CCEN.html>

Date: June 2026

Pages: 132

Price: US\$ 4,480.00 (Single User License)

ID: G759369D80CCEN

Abstracts

The global Power Grid Fault Prediction Service market size is expected to reach \$ 2652 million by 2032, rising at a market growth of 10.0% CAGR during the forecast period (2026-2032).

Power grid fault prediction service constitute a category of intelligent services designed for the transmission, substation, distribution, and consumption segments of the power grid. Leveraging grid operational data, equipment condition data, meteorological and environmental data, historical fault records, inspection imagery, sensor monitoring data, and load fluctuation data?and utilizing big data analytics, machine learning, digital twins, condition assessment, and risk early-warning models?these services enable the proactive identification and prediction of potential faults in power equipment such as transmission lines, transformers, switchgear, circuit breakers, cables, and distribution substations. The core objective is to pivot from traditional 'post-fault emergency repair' to 'pre-fault early warning and preventive maintenance.' By assisting grid operators in assessing fault risk locations, fault types, occurrence probabilities, and potential impact zones, these services enhance power supply reliability, minimize outage-related losses, and optimize maintenance schedules. They are widely applied across various scenarios, including grid dispatch, equipment operation and maintenance (O&M), distribution automation, transmission line inspection, new energy grid integration, and urban power safety management.

The upstream segment of the power grid fault prediction service value chain primarily encompasses transmission lines, transformers, switchgear, circuit breakers, cables, distribution terminals, smart meters, online monitoring sensors, specialized monitoring equipment (for infrared, partial discharge, vibration, and temperature), inspection drones, meteorological data, load data, historical fault data, SCADA/EMS/DMS

systems, and cloud/edge computing resources. The midstream segment consists of grid fault prediction platforms and service providers, whose core capabilities include equipment condition assessment, anomaly detection, fault probability prediction, risk classification, outage scope estimation, maintenance strategy optimization, digital twin modeling, and O&M work order integration. The downstream segment primarily targets power generation groups, new energy power stations, industrial parks, rail transit systems, data centers, and large-scale power consumers, facilitating their transition from 'post-fault emergency repair' to 'pre-fault early warning, condition-based maintenance, and proactive O&M.' The gross margin for power grid fault prediction services stands at approximately 59%.

From the perspective of power grid operation and maintenance (O&M) models, the core value of power grid fault prediction services lies in driving the transition of the power grid from 'reactive emergency repair' to 'proactive prevention.' Traditional grid O&M relies primarily on periodic inspections and post-fault emergency repairs—a method prone to issues such as delayed fault detection, expanded outage areas, and high repair costs. By collecting real-time data on equipment status, load fluctuations, meteorological conditions, historical faults, and inspection records, grid fault prediction services enable the early identification of anomalous trends in assets such as transmission lines, transformers, switchgear, and cables. This empowers O&M entities to formulate maintenance plans in advance, thereby mitigating the risk of sudden power outages.

From the standpoint of technological application, power grid fault prediction services are evolving from the monitoring of isolated equipment to the integration of multi-source data and intelligent analysis. Early-stage power equipment monitoring focused predominantly on single-point metrics—such as temperature, partial discharge, current, and voltage—whereas actual faults are often attributable to a confluence of factors, including equipment aging, adverse weather conditions, load fluctuations, construction-related damage, vegetation encroachment, and lightning strikes. By leveraging AI algorithms, digital twins, edge computing, and risk modeling, these systems can comprehensively assess the probability of fault occurrence, the potential scope of impact, and the priority level of the issue, thereby enhancing both the accuracy and operational utility of fault predictions.

Regarding future trends, power grid fault prediction services are poised to become a critical supporting capability for next-generation power systems and smart distribution networks. With the integration of new energy sources into the grid, the expansion of electric vehicle charging infrastructure, the proliferation of distributed energy resources and energy storage systems, and the rapid growth of urban load demands, power grid

operating conditions have become increasingly complex; consequently, traditional experience-based O&M approaches are no longer sufficient to meet the stringent requirements for high-reliability power supply. In the future, the competitive focus among service providers will shift from the mere ability to 'trigger an alarm' to the comprehensive capability to 'predict faults, pinpoint their locations, and seamlessly coordinate maintenance and dispatch operations.' This evolution will gradually culminate in the establishment of a closed-loop O&M ecosystem encompassing the entire cycle: 'monitoring?prediction?early warning?work order dispatch?fault resolution?post-mortem analysis.'

This report studies the global Power Grid Fault Prediction Service demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Power Grid Fault Prediction Service, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Power Grid Fault Prediction Service that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Power Grid Fault Prediction Service total market, 2021-2032, (USD Million)

Global Power Grid Fault Prediction Service total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Power Grid Fault Prediction Service total market, key domestic companies, and share, (USD Million)

Global Power Grid Fault Prediction Service revenue by player, revenue and market share 2021-2026, (USD Million)

Global Power Grid Fault Prediction Service total market by Type, CAGR, 2021-2032, (USD Million)

Global Power Grid Fault Prediction Service total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Power Grid Fault Prediction Service market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include GE Vernova, IBM, Oracle, C3 AI, Sentient Energy, Siemens, Schneider Electric, ABB, Hitachi Energy, AVEVA, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Power Grid Fault Prediction Service market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Power Grid Fault Prediction Service Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Power Grid Fault Prediction Service Market, Segmentation by Type:

Fault Prediction Based On Equipment Status

Fault Prediction Based On System Operation Characteristics

Others

Global Power Grid Fault Prediction Service Market, Segmentation by Prediction Time Window:

Real-Time Warning Type (Lead Time ? 15 Minutes)

Short-Term Forecasting Type (Lead Time: 15 Minutes ? 24 Hours)

Medium-Term Forecasting Type (Lead Time: 1 ? 7 Days)

Long-Term Health Forecasting Type (Lead Time > 7 Days)

Global Power Grid Fault Prediction Service Market, Segmentation by Risk Score:

Low-Risk Forecast

Medium-Risk Forecast

High-Risk Forecast

Global Power Grid Fault Prediction Service Market, Segmentation by Application:

Power Industry

New Energy Industry

Industrial Manufacturing

Others

Companies Profiled:

GE Vernova

IBM

Oracle

C3 AI

Sentient Energy

Siemens

Schneider Electric

ABB

Hitachi Energy

AVEVA

Safegrid

NR Electric

XJ Electric

Dongfang Electronics

iESLab

CYG Sunri

Toshiba Energy Systems & Solutions

Mitsubishi Electric

Fuji Electric

Meidensha

Key Questions Answered

1. How big is the global Power Grid Fault Prediction Service market?
2. What is the demand of the global Power Grid Fault Prediction Service market?

3. What is the year over year growth of the global Power Grid Fault Prediction Service market?
4. What is the total value of the global Power Grid Fault Prediction Service market?
5. Who are the Major Players in the global Power Grid Fault Prediction Service market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

1.1 Power Grid Fault Prediction Service Introduction

1.2 World Power Grid Fault Prediction Service Market Size & Forecast (2021 & 2025 & 2032)

1.3 World Power Grid Fault Prediction Service Total Market by Region (by Headquarter Location)

1.3.1 World Power Grid Fault Prediction Service Market Size by Region (2021-2032), (by Headquarter Location)

1.3.2 United States Based Company Power Grid Fault Prediction Service Revenue (2021-2032)

1.3.3 China Based Company Power Grid Fault Prediction Service Revenue (2021-2032)

1.3.4 Europe Based Company Power Grid Fault Prediction Service Revenue (2021-2032)

1.3.5 Japan Based Company Power Grid Fault Prediction Service Revenue (2021-2032)

1.3.6 South Korea Based Company Power Grid Fault Prediction Service Revenue (2021-2032)

1.3.7 ASEAN Based Company Power Grid Fault Prediction Service Revenue (2021-2032)

1.3.8 India Based Company Power Grid Fault Prediction Service Revenue (2021-2032)

1.4 Market Drivers, Restraints and Trends

1.4.1 Power Grid Fault Prediction Service Market Drivers

1.4.2 Factors Affecting Demand

1.4.3 Major Market Trends

2 DEMAND SUMMARY

2.1 World Power Grid Fault Prediction Service Consumption Value (2021-2032)

2.2 World Power Grid Fault Prediction Service Consumption Value by Region

2.2.1 World Power Grid Fault Prediction Service Consumption Value by Region (2021-2026)

2.2.2 World Power Grid Fault Prediction Service Consumption Value Forecast by Region (2027-2032)

2.3 United States Power Grid Fault Prediction Service Consumption Value (2021-2032)

- 2.4 China Power Grid Fault Prediction Service Consumption Value (2021-2032)
- 2.5 Europe Power Grid Fault Prediction Service Consumption Value (2021-2032)
- 2.6 Japan Power Grid Fault Prediction Service Consumption Value (2021-2032)
- 2.7 South Korea Power Grid Fault Prediction Service Consumption Value (2021-2032)
- 2.8 ASEAN Power Grid Fault Prediction Service Consumption Value (2021-2032)
- 2.9 India Power Grid Fault Prediction Service Consumption Value (2021-2032)

3 WORLD POWER GRID FAULT PREDICTION SERVICE COMPANIES COMPETITIVE ANALYSIS

- 3.1 World Power Grid Fault Prediction Service Revenue by Player (2021-2026)
- 3.2 Industry Rank and Concentration Rate (CR)
 - 3.2.1 Global Power Grid Fault Prediction Service Industry Rank of Major Players
 - 3.2.2 Global Concentration Ratios (CR4) for Power Grid Fault Prediction Service in 2025
 - 3.2.3 Global Concentration Ratios (CR8) for Power Grid Fault Prediction Service in 2025
- 3.3 Power Grid Fault Prediction Service Company Evaluation Quadrant
- 3.4 Power Grid Fault Prediction Service Market: Overall Company Footprint Analysis
 - 3.4.1 Power Grid Fault Prediction Service Market: Region Footprint
 - 3.4.2 Power Grid Fault Prediction Service Market: Company Product Type Footprint
 - 3.4.3 Power Grid Fault Prediction Service Market: Company Product Application Footprint
- 3.5 Competitive Environment
 - 3.5.1 Historical Structure of the Industry
 - 3.5.2 Barriers of Market Entry
 - 3.5.3 Factors of Competition
- 3.6 Mergers & Acquisitions Activity

4 UNITED STATES VS CHINA VS REST OF WORLD (BY HEADQUARTER LOCATION)

- 4.1 United States VS China: Power Grid Fault Prediction Service Revenue Comparison (by Headquarter Location)
 - 4.1.1 United States VS China: Power Grid Fault Prediction Service Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)
 - 4.1.2 United States VS China: Power Grid Fault Prediction Service Revenue Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States Based Companies VS China Based Companies: Power Grid Fault

Prediction Service Consumption Value Comparison

4.2.1 United States VS China: Power Grid Fault Prediction Service Consumption Value Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Power Grid Fault Prediction Service Consumption Value Market Share Comparison (2021 & 2025 & 2032)

4.3 United States Based Power Grid Fault Prediction Service Companies and Market Share, 2021-2026

4.3.1 United States Based Power Grid Fault Prediction Service Companies, Headquarters (States, Country)

4.3.2 United States Based Companies Power Grid Fault Prediction Service Revenue, (2021-2026)

4.4 China Based Companies Power Grid Fault Prediction Service Revenue and Market Share, 2021-2026

4.4.1 China Based Power Grid Fault Prediction Service Companies, Company Headquarters (Province, Country)

4.4.2 China Based Companies Power Grid Fault Prediction Service Revenue, (2021-2026)

4.5 Rest of World Based Power Grid Fault Prediction Service Companies and Market Share, 2021-2026

4.5.1 Rest of World Based Power Grid Fault Prediction Service Companies, Headquarters (Province, Country)

4.5.2 Rest of World Based Companies Power Grid Fault Prediction Service Revenue (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Power Grid Fault Prediction Service Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Fault Prediction Based On Equipment Status

5.2.2 Fault Prediction Based On System Operation Characteristics

5.2.3 Others

5.3 Market Segment by Type

5.3.1 World Power Grid Fault Prediction Service Market Size by Type (2021-2026)

5.3.2 World Power Grid Fault Prediction Service Market Size by Type (2027-2032)

5.3.3 World Power Grid Fault Prediction Service Market Size Market Share by Type (2027-2032)

6 MARKET ANALYSIS BY PREDICTION TIME WINDOW

6.1 World Power Grid Fault Prediction Service Market Size Overview by Prediction Time Window: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Prediction Time Window

6.2.1 Real-Time Warning Type (Lead Time ? 15 Minutes)

6.2.2 Short-Term Forecasting Type (Lead Time: 15 Minutes ? 24 Hours)

6.2.3 Medium-Term Forecasting Type (Lead Time: 1 ? 7 Days)

6.2.4 Long-Term Health Forecasting Type (Lead Time > 7 Days)

6.3 Market Segment by Prediction Time Window

6.3.1 World Power Grid Fault Prediction Service Market Size by Prediction Time Window (2021-2026)

6.3.2 World Power Grid Fault Prediction Service Market Size by Prediction Time Window (2027-2032)

6.3.3 World Power Grid Fault Prediction Service Market Size Market Share by Prediction Time Window (2027-2032)

7 MARKET ANALYSIS BY RISK SCORE

7.1 World Power Grid Fault Prediction Service Market Size Overview by Risk Score: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Risk Score

7.2.1 Low-Risk Forecast

7.2.2 Medium-Risk Forecast

7.2.3 High-Risk Forecast

7.3 Market Segment by Risk Score

7.3.1 World Power Grid Fault Prediction Service Market Size by Risk Score (2021-2026)

7.3.2 World Power Grid Fault Prediction Service Market Size by Risk Score (2027-2032)

7.3.3 World Power Grid Fault Prediction Service Market Size Market Share by Risk Score (2027-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Power Grid Fault Prediction Service Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Power Industry

8.2.2 New Energy Industry

8.2.3 Industrial Manufacturing

8.2.4 Others

8.3 Market Segment by Application

8.3.1 World Power Grid Fault Prediction Service Market Size by Application
(2021-2026)

8.3.2 World Power Grid Fault Prediction Service Market Size by Application
(2027-2032)

8.3.3 World Power Grid Fault Prediction Service Market Size Market Share by
Application (2021-2032)

9 COMPANY PROFILES

9.1 GE Vernova

9.1.1 GE Vernova Details

9.1.2 GE Vernova Major Business

9.1.3 GE Vernova Power Grid Fault Prediction Service Product and Services

9.1.4 GE Vernova Power Grid Fault Prediction Service Revenue, Gross Margin and
Market Share (2021-2026)

9.1.5 GE Vernova Recent Developments/Updates

9.1.6 GE Vernova Competitive Strengths & Weaknesses

9.2 IBM

9.2.1 IBM Details

9.2.2 IBM Major Business

9.2.3 IBM Power Grid Fault Prediction Service Product and Services

9.2.4 IBM Power Grid Fault Prediction Service Revenue, Gross Margin and Market
Share (2021-2026)

9.2.5 IBM Recent Developments/Updates

9.2.6 IBM Competitive Strengths & Weaknesses

9.3 Oracle

9.3.1 Oracle Details

9.3.2 Oracle Major Business

9.3.3 Oracle Power Grid Fault Prediction Service Product and Services

9.3.4 Oracle Power Grid Fault Prediction Service Revenue, Gross Margin and Market
Share (2021-2026)

9.3.5 Oracle Recent Developments/Updates

9.3.6 Oracle Competitive Strengths & Weaknesses

9.4 C3 AI

9.4.1 C3 AI Details

9.4.2 C3 AI Major Business

- 9.4.3 C3 AI Power Grid Fault Prediction Service Product and Services
- 9.4.4 C3 AI Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)
- 9.4.5 C3 AI Recent Developments/Updates
- 9.4.6 C3 AI Competitive Strengths & Weaknesses
- 9.5 Sentient Energy
 - 9.5.1 Sentient Energy Details
 - 9.5.2 Sentient Energy Major Business
 - 9.5.3 Sentient Energy Power Grid Fault Prediction Service Product and Services
 - 9.5.4 Sentient Energy Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)
 - 9.5.5 Sentient Energy Recent Developments/Updates
 - 9.5.6 Sentient Energy Competitive Strengths & Weaknesses
- 9.6 Siemens
 - 9.6.1 Siemens Details
 - 9.6.2 Siemens Major Business
 - 9.6.3 Siemens Power Grid Fault Prediction Service Product and Services
 - 9.6.4 Siemens Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)
 - 9.6.5 Siemens Recent Developments/Updates
 - 9.6.6 Siemens Competitive Strengths & Weaknesses
- 9.7 Schneider Electric
 - 9.7.1 Schneider Electric Details
 - 9.7.2 Schneider Electric Major Business
 - 9.7.3 Schneider Electric Power Grid Fault Prediction Service Product and Services
 - 9.7.4 Schneider Electric Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Schneider Electric Recent Developments/Updates
 - 9.7.6 Schneider Electric Competitive Strengths & Weaknesses
- 9.8 ABB
 - 9.8.1 ABB Details
 - 9.8.2 ABB Major Business
 - 9.8.3 ABB Power Grid Fault Prediction Service Product and Services
 - 9.8.4 ABB Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)
 - 9.8.5 ABB Recent Developments/Updates
 - 9.8.6 ABB Competitive Strengths & Weaknesses
- 9.9 Hitachi Energy
 - 9.9.1 Hitachi Energy Details

- 9.9.2 Hitachi Energy Major Business
- 9.9.3 Hitachi Energy Power Grid Fault Prediction Service Product and Services
- 9.9.4 Hitachi Energy Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)
- 9.9.5 Hitachi Energy Recent Developments/Updates
- 9.9.6 Hitachi Energy Competitive Strengths & Weaknesses
- 9.10 AVEVA
 - 9.10.1 AVEVA Details
 - 9.10.2 AVEVA Major Business
 - 9.10.3 AVEVA Power Grid Fault Prediction Service Product and Services
 - 9.10.4 AVEVA Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)
 - 9.10.5 AVEVA Recent Developments/Updates
 - 9.10.6 AVEVA Competitive Strengths & Weaknesses
- 9.11 Safegrid
 - 9.11.1 Safegrid Details
 - 9.11.2 Safegrid Major Business
 - 9.11.3 Safegrid Power Grid Fault Prediction Service Product and Services
 - 9.11.4 Safegrid Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Safegrid Recent Developments/Updates
 - 9.11.6 Safegrid Competitive Strengths & Weaknesses
- 9.12 NR Electric
 - 9.12.1 NR Electric Details
 - 9.12.2 NR Electric Major Business
 - 9.12.3 NR Electric Power Grid Fault Prediction Service Product and Services
 - 9.12.4 NR Electric Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)
 - 9.12.5 NR Electric Recent Developments/Updates
 - 9.12.6 NR Electric Competitive Strengths & Weaknesses
- 9.13 XJ Electric
 - 9.13.1 XJ Electric Details
 - 9.13.2 XJ Electric Major Business
 - 9.13.3 XJ Electric Power Grid Fault Prediction Service Product and Services
 - 9.13.4 XJ Electric Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)
 - 9.13.5 XJ Electric Recent Developments/Updates
 - 9.13.6 XJ Electric Competitive Strengths & Weaknesses
- 9.14 Dongfang Electronics

- 9.14.1 Dongfang Electronics Details
- 9.14.2 Dongfang Electronics Major Business
- 9.14.3 Dongfang Electronics Power Grid Fault Prediction Service Product and Services
- 9.14.4 Dongfang Electronics Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)
- 9.14.5 Dongfang Electronics Recent Developments/Updates
- 9.14.6 Dongfang Electronics Competitive Strengths & Weaknesses
- 9.15 iESLab
 - 9.15.1 iESLab Details
 - 9.15.2 iESLab Major Business
 - 9.15.3 iESLab Power Grid Fault Prediction Service Product and Services
 - 9.15.4 iESLab Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)
 - 9.15.5 iESLab Recent Developments/Updates
 - 9.15.6 iESLab Competitive Strengths & Weaknesses
- 9.16 CYG Sunri
 - 9.16.1 CYG Sunri Details
 - 9.16.2 CYG Sunri Major Business
 - 9.16.3 CYG Sunri Power Grid Fault Prediction Service Product and Services
 - 9.16.4 CYG Sunri Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)
 - 9.16.5 CYG Sunri Recent Developments/Updates
 - 9.16.6 CYG Sunri Competitive Strengths & Weaknesses
- 9.17 Toshiba Energy Systems & Solutions
 - 9.17.1 Toshiba Energy Systems & Solutions Details
 - 9.17.2 Toshiba Energy Systems & Solutions Major Business
 - 9.17.3 Toshiba Energy Systems & Solutions Power Grid Fault Prediction Service Product and Services
 - 9.17.4 Toshiba Energy Systems & Solutions Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)
 - 9.17.5 Toshiba Energy Systems & Solutions Recent Developments/Updates
 - 9.17.6 Toshiba Energy Systems & Solutions Competitive Strengths & Weaknesses
- 9.18 Mitsubishi Electric
 - 9.18.1 Mitsubishi Electric Details
 - 9.18.2 Mitsubishi Electric Major Business
 - 9.18.3 Mitsubishi Electric Power Grid Fault Prediction Service Product and Services
 - 9.18.4 Mitsubishi Electric Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)

9.18.5 Mitsubishi Electric Recent Developments/Updates

9.18.6 Mitsubishi Electric Competitive Strengths & Weaknesses

9.19 Fuji Electric

9.19.1 Fuji Electric Details

9.19.2 Fuji Electric Major Business

9.19.3 Fuji Electric Power Grid Fault Prediction Service Product and Services

9.19.4 Fuji Electric Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)

9.19.5 Fuji Electric Recent Developments/Updates

9.19.6 Fuji Electric Competitive Strengths & Weaknesses

9.20 Meidensha

9.20.1 Meidensha Details

9.20.2 Meidensha Major Business

9.20.3 Meidensha Power Grid Fault Prediction Service Product and Services

9.20.4 Meidensha Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026)

9.20.5 Meidensha Recent Developments/Updates

9.20.6 Meidensha Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Power Grid Fault Prediction Service Industry Chain

10.2 Power Grid Fault Prediction Service Upstream Analysis

10.3 Power Grid Fault Prediction Service Midstream Analysis

10.4 Power Grid Fault Prediction Service Downstream Analysis

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Power Grid Fault Prediction Service Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Table 2. World Power Grid Fault Prediction Service Revenue by Region (2021-2026) & (USD Million), (by Headquarter Location)

Table 3. World Power Grid Fault Prediction Service Revenue by Region (2027-2032) & (USD Million), (by Headquarter Location)

Table 4. World Power Grid Fault Prediction Service Revenue Market Share by Region (2021-2026), (by Headquarter Location)

Table 5. World Power Grid Fault Prediction Service Revenue Market Share by Region (2027-2032), (by Headquarter Location)

Table 6. Major Market Trends

Table 7. World Power Grid Fault Prediction Service Consumption Value Growth Rate Forecast by Region (2021 & 2025 & 2032) & (USD Million)

Table 8. World Power Grid Fault Prediction Service Consumption Value by Region (2021-2026) & (USD Million)

Table 9. World Power Grid Fault Prediction Service Consumption Value Forecast by Region (2027-2032) & (USD Million)

Table 10. World Power Grid Fault Prediction Service Revenue by Player (2021-2026) & (USD Million)

Table 11. Revenue Market Share of Key Power Grid Fault Prediction Service Players in 2025

Table 12. World Power Grid Fault Prediction Service Industry Rank of Major Player, Based on Revenue in 2025

Table 13. Global Power Grid Fault Prediction Service Company Evaluation Quadrant

Table 14. Head Office of Key Power Grid Fault Prediction Service Players

Table 15. Power Grid Fault Prediction Service Market: Company Product Type Footprint

Table 16. Power Grid Fault Prediction Service Market: Company Product Application Footprint

Table 17. Power Grid Fault Prediction Service Mergers & Acquisitions Activity

Table 18. United States VS China Power Grid Fault Prediction Service Revenue Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 19. United States VS China Power Grid Fault Prediction Service Consumption Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 20. United States Based Power Grid Fault Prediction Service Companies, Headquarters (States, Country)

Table 21. United States Based Companies Power Grid Fault Prediction Service Revenue, (2021-2026) & (USD Million)

Table 22. United States Based Companies Power Grid Fault Prediction Service Revenue Market Share (2021-2026)

Table 23. China Based Power Grid Fault Prediction Service Companies, Headquarters (Province, Country)

Table 24. China Based Companies Power Grid Fault Prediction Service Revenue, (2021-2026) & (USD Million)

Table 25. China Based Companies Power Grid Fault Prediction Service Revenue Market Share (2021-2026)

Table 26. Rest of World Based Power Grid Fault Prediction Service Companies, Headquarters (Province, Country)

Table 27. Rest of World Based Companies Power Grid Fault Prediction Service Revenue (2021-2026) & (USD Million)

Table 28. Rest of World Based Companies Power Grid Fault Prediction Service Revenue Market Share (2021-2026)

Table 29. World Power Grid Fault Prediction Service Market Size by Type, (USD Million), 2021 & 2025 & 2032

Table 30. World Power Grid Fault Prediction Service Market Size Value by Type (2021-2026) & (USD Million)

Table 31. World Power Grid Fault Prediction Service Market Size by Type (2027-2032) & (USD Million)

Table 32. World Power Grid Fault Prediction Service Market Size by Prediction Time Window, (USD Million), 2021 & 2025 & 2032

Table 33. World Power Grid Fault Prediction Service Market Size Value by Prediction Time Window (2021-2026) & (USD Million)

Table 34. World Power Grid Fault Prediction Service Market Size by Prediction Time Window (2027-2032) & (USD Million)

Table 35. World Power Grid Fault Prediction Service Market Size by Risk Score, (USD Million), 2021 & 2025 & 2032

Table 36. World Power Grid Fault Prediction Service Market Size Value by Risk Score (2021-2026) & (USD Million)

Table 37. World Power Grid Fault Prediction Service Market Size by Risk Score (2027-2032) & (USD Million)

Table 38. World Power Grid Fault Prediction Service Market Size by Application, (USD Million), 2021 & 2025 & 2032

Table 39. World Power Grid Fault Prediction Service Market Size by Application (2021-2026) & (USD Million)

Table 40. World Power Grid Fault Prediction Service Market Size by Application

(2027-2032) & (USD Million)

Table 41. GE Vernova Basic Information, Manufacturing Base and Competitors

Table 42. GE Vernova Major Business

Table 43. GE Vernova Power Grid Fault Prediction Service Product and Services

Table 44. GE Vernova Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 45. GE Vernova Recent Developments/Updates

Table 46. GE Vernova Competitive Strengths & Weaknesses

Table 47. IBM Basic Information, Manufacturing Base and Competitors

Table 48. IBM Major Business

Table 49. IBM Power Grid Fault Prediction Service Product and Services

Table 50. IBM Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 51. IBM Recent Developments/Updates

Table 52. IBM Competitive Strengths & Weaknesses

Table 53. Oracle Basic Information, Manufacturing Base and Competitors

Table 54. Oracle Major Business

Table 55. Oracle Power Grid Fault Prediction Service Product and Services

Table 56. Oracle Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 57. Oracle Recent Developments/Updates

Table 58. Oracle Competitive Strengths & Weaknesses

Table 59. C3 AI Basic Information, Manufacturing Base and Competitors

Table 60. C3 AI Major Business

Table 61. C3 AI Power Grid Fault Prediction Service Product and Services

Table 62. C3 AI Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 63. C3 AI Recent Developments/Updates

Table 64. C3 AI Competitive Strengths & Weaknesses

Table 65. Sentient Energy Basic Information, Manufacturing Base and Competitors

Table 66. Sentient Energy Major Business

Table 67. Sentient Energy Power Grid Fault Prediction Service Product and Services

Table 68. Sentient Energy Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 69. Sentient Energy Recent Developments/Updates

Table 70. Sentient Energy Competitive Strengths & Weaknesses

Table 71. Siemens Basic Information, Manufacturing Base and Competitors

Table 72. Siemens Major Business

Table 73. Siemens Power Grid Fault Prediction Service Product and Services

Table 74. Siemens Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 75. Siemens Recent Developments/Updates

Table 76. Siemens Competitive Strengths & Weaknesses

Table 77. Schneider Electric Basic Information, Manufacturing Base and Competitors

Table 78. Schneider Electric Major Business

Table 79. Schneider Electric Power Grid Fault Prediction Service Product and Services

Table 80. Schneider Electric Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 81. Schneider Electric Recent Developments/Updates

Table 82. Schneider Electric Competitive Strengths & Weaknesses

Table 83. ABB Basic Information, Manufacturing Base and Competitors

Table 84. ABB Major Business

Table 85. ABB Power Grid Fault Prediction Service Product and Services

Table 86. ABB Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 87. ABB Recent Developments/Updates

Table 88. ABB Competitive Strengths & Weaknesses

Table 89. Hitachi Energy Basic Information, Manufacturing Base and Competitors

Table 90. Hitachi Energy Major Business

Table 91. Hitachi Energy Power Grid Fault Prediction Service Product and Services

Table 92. Hitachi Energy Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 93. Hitachi Energy Recent Developments/Updates

Table 94. Hitachi Energy Competitive Strengths & Weaknesses

Table 95. AVEVA Basic Information, Manufacturing Base and Competitors

Table 96. AVEVA Major Business

Table 97. AVEVA Power Grid Fault Prediction Service Product and Services

Table 98. AVEVA Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 99. AVEVA Recent Developments/Updates

Table 100. AVEVA Competitive Strengths & Weaknesses

Table 101. Safegrid Basic Information, Manufacturing Base and Competitors

Table 102. Safegrid Major Business

Table 103. Safegrid Power Grid Fault Prediction Service Product and Services

Table 104. Safegrid Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 105. Safegrid Recent Developments/Updates

Table 106. Safegrid Competitive Strengths & Weaknesses

Table 107. NR Electric Basic Information, Manufacturing Base and Competitors
Table 108. NR Electric Major Business
Table 109. NR Electric Power Grid Fault Prediction Service Product and Services
Table 110. NR Electric Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 111. NR Electric Recent Developments/Updates
Table 112. NR Electric Competitive Strengths & Weaknesses
Table 113. XJ Electric Basic Information, Manufacturing Base and Competitors
Table 114. XJ Electric Major Business
Table 115. XJ Electric Power Grid Fault Prediction Service Product and Services
Table 116. XJ Electric Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 117. XJ Electric Recent Developments/Updates
Table 118. XJ Electric Competitive Strengths & Weaknesses
Table 119. Dongfang Electronics Basic Information, Manufacturing Base and Competitors
Table 120. Dongfang Electronics Major Business
Table 121. Dongfang Electronics Power Grid Fault Prediction Service Product and Services
Table 122. Dongfang Electronics Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 123. Dongfang Electronics Recent Developments/Updates
Table 124. Dongfang Electronics Competitive Strengths & Weaknesses
Table 125. iESLab Basic Information, Manufacturing Base and Competitors
Table 126. iESLab Major Business
Table 127. iESLab Power Grid Fault Prediction Service Product and Services
Table 128. iESLab Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 129. iESLab Recent Developments/Updates
Table 130. iESLab Competitive Strengths & Weaknesses
Table 131. CYG Sunri Basic Information, Manufacturing Base and Competitors
Table 132. CYG Sunri Major Business
Table 133. CYG Sunri Power Grid Fault Prediction Service Product and Services
Table 134. CYG Sunri Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 135. CYG Sunri Recent Developments/Updates
Table 136. CYG Sunri Competitive Strengths & Weaknesses
Table 137. Toshiba Energy Systems & Solutions Basic Information, Manufacturing Base and Competitors

Table 138. Toshiba Energy Systems & Solutions Major Business
Table 139. Toshiba Energy Systems & Solutions Power Grid Fault Prediction Service Product and Services
Table 140. Toshiba Energy Systems & Solutions Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 141. Toshiba Energy Systems & Solutions Recent Developments/Updates
Table 142. Toshiba Energy Systems & Solutions Competitive Strengths & Weaknesses
Table 143. Mitsubishi Electric Basic Information, Manufacturing Base and Competitors
Table 144. Mitsubishi Electric Major Business
Table 145. Mitsubishi Electric Power Grid Fault Prediction Service Product and Services
Table 146. Mitsubishi Electric Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 147. Mitsubishi Electric Recent Developments/Updates
Table 148. Mitsubishi Electric Competitive Strengths & Weaknesses
Table 149. Fuji Electric Basic Information, Manufacturing Base and Competitors
Table 150. Fuji Electric Major Business
Table 151. Fuji Electric Power Grid Fault Prediction Service Product and Services
Table 152. Fuji Electric Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 153. Fuji Electric Recent Developments/Updates
Table 154. Fuji Electric Competitive Strengths & Weaknesses
Table 155. Meidensha Basic Information, Manufacturing Base and Competitors
Table 156. Meidensha Major Business
Table 157. Meidensha Power Grid Fault Prediction Service Product and Services
Table 158. Meidensha Power Grid Fault Prediction Service Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 159. Meidensha Recent Developments/Updates
Table 160. Meidensha Competitive Strengths & Weaknesses
Table 161. Global Key Players of Power Grid Fault Prediction Service Upstream (Raw Materials)
Table 162. Global Power Grid Fault Prediction Service Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Power Grid Fault Prediction Service Picture

Figure 2. World Power Grid Fault Prediction Service Total Revenue: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Power Grid Fault Prediction Service Total Revenue (2021-2032) & (USD Million)

Figure 4. World Power Grid Fault Prediction Service Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Figure 5. World Power Grid Fault Prediction Service Revenue Market Share by Region (2021-2032), (by Headquarter Location)

Figure 6. United States Based Company Power Grid Fault Prediction Service Revenue (2021-2032) & (USD Million)

Figure 7. China Based Company Power Grid Fault Prediction Service Revenue (2021-2032) & (USD Million)

Figure 8. Europe Based Company Power Grid Fault Prediction Service Revenue (2021-2032) & (USD Million)

Figure 9. Japan Based Company Power Grid Fault Prediction Service Revenue (2021-2032) & (USD Million)

Figure 10. South Korea Based Company Power Grid Fault Prediction Service Revenue (2021-2032) & (USD Million)

Figure 11. ASEAN Based Company Power Grid Fault Prediction Service Revenue (2021-2032) & (USD Million)

Figure 12. India Based Company Power Grid Fault Prediction Service Revenue (2021-2032) & (USD Million)

Figure 13. Power Grid Fault Prediction Service Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Power Grid Fault Prediction Service Consumption Value (2021-2032) & (USD Million)

Figure 16. World Power Grid Fault Prediction Service Consumption Value Market Share by Region (2021-2032)

Figure 17. United States Power Grid Fault Prediction Service Consumption Value (2021-2032) & (USD Million)

Figure 18. China Power Grid Fault Prediction Service Consumption Value (2021-2032) & (USD Million)

Figure 19. Europe Power Grid Fault Prediction Service Consumption Value (2021-2032) & (USD Million)

Figure 20. Japan Power Grid Fault Prediction Service Consumption Value (2021-2032) & (USD Million)

Figure 21. South Korea Power Grid Fault Prediction Service Consumption Value (2021-2032) & (USD Million)

Figure 22. ASEAN Power Grid Fault Prediction Service Consumption Value (2021-2032) & (USD Million)

Figure 23. India Power Grid Fault Prediction Service Consumption Value (2021-2032) & (USD Million)

Figure 24. Producer Shipments of Power Grid Fault Prediction Service by Player Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Power Grid Fault Prediction Service Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Power Grid Fault Prediction Service Markets in 2025

Figure 27. United States VS China: Power Grid Fault Prediction Service Revenue Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Power Grid Fault Prediction Service Consumption Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. World Power Grid Fault Prediction Service Market Size by Type, (USD Million), 2021 & 2025 & 2032

Figure 30. World Power Grid Fault Prediction Service Market Size Market Share by Type in 2025

Figure 31. Fault Prediction Based On Equipment Status

Figure 32. Fault Prediction Based On System Operation Characteristics

Figure 33. Others

Figure 34. World Power Grid Fault Prediction Service Market Size Market Share by Type (2021-2032)

Figure 35. World Power Grid Fault Prediction Service Market Size by Prediction Time Window, (USD Million), 2021 & 2025 & 2032

Figure 36. World Power Grid Fault Prediction Service Market Size Market Share by Prediction Time Window in 2025

Figure 37. Real-Time Warning Type (Lead Time ? 15 Minutes)

Figure 38. Short-Term Forecasting Type (Lead Time: 15 Minutes ? 24 Hours)

Figure 39. Medium-Term Forecasting Type (Lead Time: 1 ? 7 Days)

Figure 40. Long-Term Health Forecasting Type (Lead Time > 7 Days)

Figure 41. World Power Grid Fault Prediction Service Market Size Market Share by Prediction Time Window (2021-2032)

Figure 42. World Power Grid Fault Prediction Service Market Size by Risk Score, (USD Million), 2021 & 2025 & 2032

Figure 43. World Power Grid Fault Prediction Service Market Size Market Share by Risk Score in 2025

Figure 44. Low-Risk Forecast

Figure 45. Medium-Risk Forecast

Figure 46. High-Risk Forecast

Figure 47. World Power Grid Fault Prediction Service Market Size Market Share by Risk Score (2021-2032)

Figure 48. World Power Grid Fault Prediction Service Market Size by Application, (USD Million), 2021 & 2025 & 2032

Figure 49. World Power Grid Fault Prediction Service Market Size Market Share by Application in 2025

Figure 50. Power Industry

Figure 51. New Energy Industry

Figure 52. Industrial Manufacturing

Figure 53. Others

Figure 54. World Power Grid Fault Prediction Service Market Size Market Share by Application (2021-2032)

Figure 55. Power Grid Fault Prediction Service Industrial Chain

Figure 56. Methodology

Figure 57. Research Process and Data Source

I would like to order

Product name: Global Power Grid Fault Prediction Service Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G759369D80CCEN.html>

Price: US\$ 4,480.00 (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/G759369D80CCEN.html>