

Protective Relay Market Analysis By Voltage (Low, Medium, High), By Application (Feeder Protection, Generator Protection, Bus-Bar Protection, Capacitor Bank Protection, Breaker Protection, Transformer Protection), By End-Use (Infrastructure, Industrial, Government, Power) And Segment Forecasts To 2024

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Abstracts

The protective relay market is expected to reach USD 4,025.2 million by 2024, according to a new report by Grand View Research, Inc. Mounting investments in the transmission & distribution networks to replace the old equipment is expected to be a major factor expected to spur the growth over the forecast period. The intensifying intricacy of electrical systems has made it inevitable to incorporate protective devices for power systems safety. The growing electricity generation capacity to meet the growing population's electricity demand is estimated to act as a key driver augmenting market demand. Nevertheless, the cost concomitant with the set up & maintenance of these relays is estimated to challenge the industry over the near future.

The global protective relay market is anticipated to witness high growth over the forecast period. This may be accredited to continuous population growth along with the mounting regional power consumption in Asia Pacific. The rising importance of smart grid technology coupled with upsurge in renewable energy projects is expected to further catapult protective relay demand over the next eight years. For instance, after the earthquake and tsunami in 2011, in Japan, the government decided to reduce the energy supply gap by augmenting renewable energy generation.

Further key findings from the report suggest:

The medium voltage segment captured over 40% of the total revenue in 2015 and is projected to exhibit a significant growth at a CAGR of over 5% from 2016 to 2024. This can be attributed to their extensive usage in the fortification of structures such as houses, shopping center, hospitals, and warehouses, which require medium voltage power.

Feeder protection application segment is expected to gain prominence over the forecast period exceeding a CAGR of 6.0% from 2016 to 2024. This is primarily due to the criticality of the transmission & distribution networks to safeguard the overhead cables required for the electricity transmission

Assimilation of protective relays in huge power systems and substations to ensure security & operational safety of the equipment is projected to drive the demand across the power sector over the next few years. The power segment accounted for a significant market share in 2015 capturing over 30% of the entire revenue share in the same year.

Asia Pacific emerged as the largest and the fastest growing market accounting for more than 30% of the overall share in 2015. Increasing investments in transmission & distribution infrastructure in China & India is expected to spur the protective relay demand in this region.

The key purveyors in this industry comprise Siemens, GE-Alstom, ABB, and Schneider. International players hold a strong foothold in the market making it difficult for the local suppliers to compete.

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Research Methodology
- 1.2 Research Scope & Assumptions
- 1.3 List of Data Sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Regional market place: Key takeaways

CHAPTER 3 MARKET SUMMARY

CHAPTER 4 MARKET VARIABLES, TRENDS & SCOPE

- 4.1 Market segmentation & scope
 - 4.1.1 Market definitions
- 4.2 Protective Relay - Market Size and Growth Prospects
- 4.3 Prevailing product price levels, 2015
- 4.4 Protective Relay - Value Chain Analysis
- 4.5 Protective Relay - Market Dynamics
 - 4.5.1 Market driver analysis
 - 4.5.1.1 The growing investment in transmission and distribution infrastructure
 - 4.5.1.2 Escalating demand for protection devices in the power industry
 - 4.5.1.3 Surging power generation capacity in Asia Pacific
 - 4.5.2 Market challenge/restraint analysis
 - 4.5.2.1 High installation and maintenance cost
 - 4.5.3 Market opportunity analysis
 - 4.5.3.1 Ongoing smart grid and substation automation projects
- 4.6 Protective relay - Penetration & Growth Prospect Mapping
- 4.7 Protective relay - Porter's Five Forces Analysis
- 4.8 Protective relay - Company market share analysis, 2015
- 4.9 Protective Relay - PESTEL Analysis
- 4.10 Pricing trend analysis, 2015

CHAPTER 5 MARKET CATEGORIZATION 1 VOLTAGE ESTIMATES & TREND ANALYSIS

5.1 Protective Relay Market Share by Voltage, 2015 & 2024

5.1.1 Low Voltage

5.1.2 Medium Voltage

5.1.3 High Voltage

CHAPTER 6 MARKET CATEGORIZATION 2 APPLICATION ESTIMATES & TREND ANALYSIS

6.1 Protective relay market share by application, 2015 & 2024

6.1.1 Feeder Protection

6.1.2 Generator Protection

6.1.3 Bus-bar Protection

6.1.4 Capacitor bank Protection

6.1.5 Breaker Protection

6.1.6 Transformer Protection

6.1.7 Others

CHAPTER 7 MARKET CATEGORIZATION 3 END-USE ESTIMATES & TREND ANALYSIS

7.1 Protective relay market share by end-use, 2015 & 2024

7.1.1 Industrial

7.1.2 Government

7.1.3 Power

7.1.4 Others

CHAPTER 8 MARKET CATEGORIZATION 4 REGIONAL ESTIMATES & TREND ANALYSIS

8.1 Protective Relay Market Share by Region, 2015 & 2024

8.1.1 North America

8.1.1.1 U.S

8.1.1.2 Canada

8.1.2 Europe

8.1.2.1 UK

8.1.2.2 Germany

8.1.3 Asia Pacific

8.1.3.1 China

8.1.3.2 India

- 8.1.3.3 Japan
- 8.1.4 Latin America
 - 8.1.4.1 Brazil
 - 8.1.4.2 Mexico
- 8.1.5 Middle East & Africa
 - 8.1.5.1 Saudi Arabia
 - 8.1.5.2 UAE
 - 8.1.5.3 Bahrain
 - 8.1.5.4 Kuwait
 - 8.1.5.5 Qatar
 - 8.1.5.6 Oman

CHAPTER 9 COMPETITIVE LANDSCAPE

- 9.1 ABB Group
 - 9.1.1 Company overview
 - 9.1.2 Financial performance
 - 9.1.3 Product benchmarking
 - 9.1.4 Strategic initiatives
- 9.2 Doble Engineering Company
 - 9.2.1 Company overview
 - 9.2.2 Financial performance
 - 9.2.3 Product benchmarking
 - 9.2.4 Strategic initiatives
- 9.3 Eaton Corporation Plc
 - 9.3.1 Company overview
 - 9.3.2 Financial performance
 - 9.3.3 Product benchmarking
 - 9.3.4 Strategic initiatives
- 9.4 Fanox Electronics SL
 - 9.4.1 Company overview
 - 9.4.2 Financial performance
 - 9.4.3 Product benchmarking
 - 9.4.4 Strategic initiatives
- 9.5 General Electric
 - 9.5.1 Company overview
 - 9.5.2 Financial performance
 - 9.5.3 Product benchmarking
 - 9.5.4 Strategic initiatives

- 9.6 Mitsubishi Electric Corp.
 - 9.6.1 Company overview
 - 9.6.2 Financial performance
 - 9.6.3 Product benchmarking
 - 9.6.4 Strategic initiatives
- 9.7 NR Electric Co. Ltd.
 - 9.7.1 Company overview
 - 9.7.2 Financial performance
 - 9.7.3 Product benchmarking
 - 9.7.4 Strategic initiatives
- 9.8 Schneider Electric
 - 9.8.1 Company overview
 - 9.8.2 Financial performance
 - 9.8.3 Product benchmarking
 - 9.8.4 Recent developments
- 9.9 Schweitzer Engineering Laboratories, Inc.
 - 9.9.1 Company overview
 - 9.9.2 Financial performance
 - 9.9.3 Product benchmarking
 - 9.9.4 Strategic initiatives
- 9.10 Siemens AG
 - 9.10.1 Company overview
 - 9.10.2 Financial performance
 - 9.10.3 Product benchmarking
 - 9.10.4 Strategic initiatives
- 9.11 The International Electrical Products Company (TIEPCO)
 - 9.11.1 Company overview
 - 9.11.2 Financial performance
 - 9.11.3 Product benchmarking
 - 9.11.4 Strategic initiatives
- 9.12 Toshiba Corporation
 - 9.12.1 Company overview
 - 9.12.2 Financial performance
 - 9.12.3 Product benchmarking
 - 9.12.4 Strategic initiatives
- 9.13 ZIV
 - 9.13.1 Company overview
 - 9.13.2 Financial performance
 - 9.13.3 Product benchmarking

9.13.4 Strategic initiatives

List Of Tables

LIST OF TABLES

- TABLE 1 Protective relay market by voltage, 2014 - 2024 (USD Million)
- TABLE 2 Protective relay market by application, 2014 - 2024 (USD Million)
- TABLE 3 Protective relay market by end-use, 2014 - 2024 (USD Million)
- TABLE 4 Protective relay market by region, 2014 - 2024 (USD Million)
- TABLE 5 Low voltage protective relay market, 2014 - 2024 (USD Million)
- TABLE 6 Low voltage protective relay market by region, 2014 - 2024 (USD Million)
- TABLE 7 Medium voltage protective relay market, 2014 - 2024 (USD Million)
- TABLE 8 Medium voltage protective relay market by region, 2014 - 2024 (USD Million)
- TABLE 10 High voltage protective relay market, 2014 - 2024 (USD Million)
- TABLE 11 High voltage protective relay market by region, 2014 - 2024 (USD Million)
- TABLE 12 Feeder protection market, 2014 - 2024 (USD Million)
- TABLE 13 Feeder protection market by region, 2014 - 2024 (USD Million)
- TABLE 14 Generator protection market, 2014 - 2024 (USD Million)
- TABLE 15 Generator protection market by region, 2014 - 2024 (USD Million)
- TABLE 16 Bus-bar protection market, 2014 - 2024 (USD Million)
- TABLE 17 Bus-bar protection market by region, 2014 - 2024 (USD Million)
- TABLE 18 Capacitor bank protection market, 2014 - 2024 (USD Million)
- TABLE 19 Capacitor bank protection market by region, 2014 - 2024 (USD Million)
- TABLE 20 Breaker protection market, 2014 - 2024 (USD Million)
- TABLE 21 Breaker protection market by region, 2014 - 2024 (USD Million)
- TABLE 22 Transformer protection market, 2014 - 2024 (USD Million)
- TABLE 23 Transformer protection market by region, 2014 - 2024 (USD Million)
- TABLE 24 Other protection market, 2014 - 2024 (USD Million)
- TABLE 25 Other protection market by region, 2014 - 2024 (USD Million)
- TABLE 26 Protective relay demand in infrastructure, 2014 - 2024 (USD Million)
- TABLE 27 Protective relay demand in infrastructure by region, 2014 - 2024 (USD Million)
- TABLE 28 Protective relay demand in industries, 2014 - 2024 (USD Million)
- TABLE 29 Protective relay demand in industries by region, 2014 - 2024 (USD Million)
- TABLE 30 Protective relay demand in government, 2014 - 2024 (USD Million)
- TABLE 31 Protective relay demand in government by region, 2014 - 2024 (USD Million)
- TABLE 32 Protective relay demand in power, 2014 - 2024 (USD Million)
- TABLE 33 Protective relay demand in power by region, 2014 - 2024 (USD Million)
- TABLE 34 Protective relay demand in other sectors, 2014 - 2024 (USD Million)
- TABLE 35 Protective relay demand in other sectors by region, 2014 - 2024 (USD Million)

Million)

TABLE 36 North America protective relay market by voltage, 2014 - 2024 (USD Million)

TABLE 37 North America protective relay market by application, 2010 - 2024 (USD Million)

TABLE 38 North America protective relay market by end-use, 2014 - 2024 (USD Million)

TABLE 39 U.S protective relay market by voltage, 2014 - 2024 (USD Million)

TABLE 40 U.S protective relay market by application, 2010 - 2024 (USD Million)

TABLE 41 U.S protective relay market by end-use, 2014 - 2024 (USD Million)

TABLE 42 Canada protective relay market by voltage, 2014 - 2024 (USD Million)

TABLE 43 Canada protective relay market by application, 2010 - 2024 (USD Million)

TABLE 44 Canada protective relay market by end-use, 2014 - 2024 (USD Million)

TABLE 45 Europe protective relay market by voltage, 2014 - 2024 (USD Million)

TABLE 46 Europe protective relay market by application, 2010 - 2024 (USD Million)

TABLE 47 Europe protective relay market by end-use, 2014 - 2024 (USD Million)

TABLE 48 UK protective relay market by voltage, 2014 - 2024 (USD Million)

TABLE 49 UK protective relay market by application, 2010 - 2024 (USD Million)

TABLE 50 UK protective relay market by end-use, 2014 - 2024 (USD Million)

TABLE 51 Germany protective relay market by voltage, 2014 - 2024 (USD Million)

TABLE 52 Germany protective relay market by application, 2010 - 2024 (USD Million)

TABLE 53 Germany protective relay market by end-use, 2014 - 2024 (USD Million)

TABLE 54 Asia Pacific protective relay market by voltage, 2014 - 2024 (USD Million)

TABLE 55 Asia Pacific protective relay market by application, 2010 - 2024 (USD Million)

TABLE 56 Asia Pacific protective relay market by end-use, 2014 - 2024 (USD Million)

TABLE 57 China protective relay market by voltage, 2014 - 2024 (USD Million)

TABLE 58 China protective relay market by application, 2010 - 2024 (USD Million)

TABLE 59 China protective relay market by end-use, 2014 - 2024 (USD Million)

TABLE 60 India protective relay market by voltage, 2014 - 2024 (USD Million)

TABLE 61 India protective relay market by application, 2010 - 2024 (USD Million)

TABLE 62 India protective relay market by end-use, 2014 - 2024 (USD Million)

TABLE 63 Japan protective relay market by voltage, 2014 - 2024 (USD Million)

TABLE 64 Japan protective relay market by application, 2010 - 2024 (USD Million)

TABLE 65 Japan protective relay market by end-use, 2014 - 2024 (USD Million)

TABLE 66 Latin America protective relay market by voltage, 2014 - 2024 (USD Million)

TABLE 67 Latin America protective relay market by application, 2010 - 2024 (USD Million)

TABLE 68 Latin America protective relay market by end-use, 2014 - 2024 (USD Million)

TABLE 69 Brazil protective relay market by voltage, 2014 - 2024 (USD Million)

TABLE 70 Brazil protective relay market by application, 2010 - 2024 (USD Million)

TABLE 71 Brazil protective relay market by end-use, 2014 - 2024 (USD Million)

- TABLE 72 Mexico protective relay market by voltage, 2014 - 2024 (USD Million)
- TABLE 73 Mexico protective relay market by application, 2010 - 2024 (USD Million)
- TABLE 74 Mexico protective relay market by end-use, 2014 - 2024 (USD Million)
- TABLE 75 MEA protective relay market by voltage, 2014 - 2024 (USD Million)
- TABLE 76 MEA protective relay market by application, 2010 - 2024 (USD Million)
- TABLE 77 MEA protective relay market by end-use, 2014 - 2024 (USD Million)
- TABLE 78 GCC protective relay market by voltage, 2014 - 2024 (USD Million)
- TABLE 79 GCC protective relay market by application, 2010 - 2024 (USD Million)
- TABLE 80 GCC protective relay market by end-use, 2014 - 2024 (USD Million)

List Of Figures

LIST OF FIGURES

- FIG. 1 Regional market place: Key takeaways
- FIG. 2 Market summary
- FIG. 3 Market segmentation & scope
- FIG. 4 Protective relay - Market size and growth prospects
- FIG. 5 Protective relay - Value chain analysis
- FIG. 6 Protective relay - Market dynamics
- FIG. 7 Benefits of protective relay as a protection device
- FIG. 8 Power generation capacity in Asia Pacific
- FIG. 9 Protective relay - Penetration & Growth Prospect Mapping
- FIG. 10 Protective relay - Porter's Five Forces Analysis
- FIG. 11 Protective relay - Company market share analysis, 2015
- FIG. 12 Protective relay - PESTEL analysis
- FIG. 13 Steel price forecast to 2019
- FIG. 14 Copper price forecast to 2020
- FIG. 15 Protective relay market voltage outlook, 2015 & 2024
- FIG. 16 Protective relay market voltage analysis
- FIG. 17 Protective relay market application outlook, 2015 & 2024
- FIG. 18 Protective relay market application analysis
- FIG. 19 Protective relay market end-use outlook, 2015 & 2024
- FIG. 20 Protective relay market end-use analysis
- FIG. 21 Protective relay market regional outlook, 2015 & 2024
- FIG. 22 North America protective relay market - Key takeaways
- FIG. 23 Europe protective relay market - Key takeaways
- FIG. 24 Asia Pacific protective relay market - Key takeaways
- FIG. 25 Latin America protective relay market - Key takeaways
- FIG. 26 MEA protective relay market - Key takeaways

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