

# Teleprotection Market - Forecasts from 2020 to 2025

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## Abstracts

The global teleprotection market is projected to grow at a CAGR of 20.45% throughout the forecast period to reach a market size of US\$37.058 billion by 2025. A teleprotection system monitors transmission line conditions and coordinate tripping to quickly isolate faults. Teleprotection systems prevent failure and damage to systems by disconnecting the faulty part automatically and remotely. There is an increase in demand for teleprotected grids. The market is driven by improved communication systems and protocols, demand for reducing transmission, old grid infrastructure, and distribution losses. Aerospace and defense industry holds immense potential. Seamless transmission combined with energy-saving with assistance from advanced communication and network technologies is augmenting the demand for the teleprotection solutions. Government policies favoring the teleported grid in major economies is also contributing to the growing demand for

Hardware segment to hold significant market share

The teleprotection market is segmented on the basis of offering as hardware and software. Teleprotection software consists of synchrophasors software, network management system software, etc. Data terminal equipment (DTE), Optical interface equipment, Directional electrical interface equipment, Data circuit terminating equipment (DCE), etc. are part of teleprotection hardware. The hardware segment is anticipated to hold a noteworthy share throughout the forecast period.

Communication and technology segment is projected to grow substantially

Teleprotection market has been segmented by end-user industry into communication and technology, energy and power, oil and gas, aerospace and defense, and others. The communication and technology sector is expected to witness a high demand for the teleprotection solutions. The emerging economies are developing telecom

infrastructure, especially in countries, China, Brazil, India, and South Korea among others and are boosting the adoption of the teleprotection, thereby contributing to the market growth. Teleprotection systems offers advantages like increased stability improved communication system, and high efficiency. Advancing technologies and the need for energy-efficient solutions for the communication and technology sector is expected to boost market growth in years ahead.

North America region to dominate the global market

Regionally the teleprotection market is classified into North America, South America, Europe, the Middle East, and Africa, and the Asia Pacific. The report also analyses 16 countries across these regions with complete analysis and forecast along with prevailing market trends and opportunities which each of these countries presents for the manufacturers. Geographically, North America is expected to hold a significant market share driven by high disposable income of citizens coupled with urbanized society. The Asia Pacific region is expected to grow at the fastest rate owing to the rising adoption of teleprotection systems from the power and telecommunication sector. Moreover, regional governments are focusing on the reduction in CO2 emission and energy conservation, coupled with developing electricity infrastructure, especially in emerging economies is significantly contributing to the market growth. The growing adoption of smart grid and other energy-efficient technologies is also boosting the demand for teleprotection systems over the forecast period. The communication network technology is further segmented into conventional and advanced systems. In the forecast period aerospace and defense sector is experiencing significant demand for the teleprotection systems. The rise in demand levels across various fields in power and telecom and huge demand for uninterrupted power supply from developing countries. The opportunities of the teleprotection market are the launch of diverse new product requirements from the enterprises operating in military, aerospace & defense and information technology sectors and integration with intelligent and advanced communication technologies. There is a demand for teleprotected grids and utilities for employing in a number of industry verticals. With the advancement in communication network technologies; it is now possible to leverage high-end technologies for processing a heap of signals and information to access the risk of failure and blackouts for both consumers and OEMs.

### Competitive Insights

The market is fragmented owing to the presence of various players; key players dominate the market share owing to their capability to invest in continuous R&D. The

major players discussed in the reports are Alstom, Alcatel-Lucent, GE, ABB, Cisco Systems, Schweitzer Engineering Laboratories, Siemens, Telco Systems. Innovation in product features through the addition of advanced and latest technologies helps vendors to differentiate in the market while gaining a competitive edge.

The market is segmented on the basis of offering, end-user industry, and geography-

#### By Offering

Hardware

Software

#### By End-User Industry

Communication and Technology

Energy and Power

Oil and Gas

Aerospace and Defense

Others

#### By Geography

North America

USA

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

Germany

France

United Kingdom

Spain

Others

Middle East and Africa

Saudi Arabia

Israel

UAE

Others

Asia Pacific

China

Japan

South Korea

India

Others

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