

# Global Electric Power System Testing Services Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G5FB5420B9F7EN.html>

Date: June 2026

Pages: 132

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

ID: G5FB5420B9F7EN

## Abstracts

The global Electric Power System Testing Services market size is expected to reach \$ 14678 million by 2032, rising at a market growth of 8.1% CAGR during the forecast period (2026-2032).

Electric Power System Testing Services refer to professional technical services that verify and evaluate the safety, reliability, performance, and compliance of equipment and overall systems in power generation, transmission, transformation, and distribution systems through on-site testing, laboratory testing, commissioning, and system analysis.

### Gross Profit Margin Levels

The power system testing service industry as a whole falls into the medium-to-high gross profit margin category of technical services, but there are significant differences between different sub-sectors. For service providers primarily engaged in on-site acceptance testing, commissioning, and routine preventative testing, gross profit margins are typically relatively stable, mainly influenced by labor costs, project complexity, and regional competition. However, in high-tech areas such as high-voltage/ultra-high-voltage laboratory testing, relay protection system testing, complex grid connection verification, and system stability studies, due to high qualification requirements, large equipment investments, and stronger customer demands for accuracy and independence, gross profit margins are usually significantly higher. Publicly available comparable companies also indirectly confirm this: the operating profit margins of leading TIC companies like SGS, Intertek, and Bureau Veritas are mostly in the mid-to-high single-digit to teens range, while among Chinese power testing and commissioning companies, the gross profit margin of China Southern Power Grid

Technology's 'Testing and Commissioning Services' division, calculated based on publicly available revenue and costs, exceeds 40%. In summary, the industry can be better understood as follows: the gross profit margin for conventional power system field testing/commissioning services is roughly 25%-40%, while services such as high-voltage laboratories, ultra-high-voltage systems, and complex grid connection and system research typically reach 40%-60%. However, the final net profit or operating profit margin is usually lower than the gross profit margin and is still affected by staffing, equipment depreciation, and project delivery cycles.

## Industry Drivers

The growth of the power system testing services industry is primarily driven by grid upgrades, new energy grid integration, increased power safety compliance requirements, and the expansion of critical loads. Firstly, the continuous expansion of global transmission and distribution systems, along with the upgrading and renovation of aging substations, switchgear, and protection systems, directly generates a large demand for acceptance testing, commissioning, and operational testing. Secondly, the increasing integration of wind power, photovoltaics, energy storage, and power electronic equipment significantly enhances the importance of short-circuit, protection coordination, stability, model verification, and grid code compliance testing. Furthermore, critical load scenarios such as hospitals, data centers, rail transit, semiconductor factories, and large industrial parks are increasingly less tolerant of power supply continuity and system reliability, driving power quality testing, maintainability testing, arc flash research, and system-level assessments from 'optional' to 'essential.' Looking at a longer timeframe, this industry is upgrading from traditional 'pre-commissioning testing' to comprehensive technical services covering the entire lifecycle of planning, construction, grid connection, operation and maintenance, and retrofitting, thus possessing strong long-term growth resilience.

This report studies the global Electric Power System Testing Services demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Electric Power System Testing Services, 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 Electric Power System Testing Services that contribute to its increasing demand across many markets.

## Highlights and key features of the study

Global Electric Power System Testing Services total market, 2021-2032, (USD Million)  
Global Electric Power System Testing Services total market by region & country, CAGR, 2021-2032, (USD Million)  
U.S. VS China: Electric Power System Testing Services total market, key domestic companies, and share, (USD Million)  
Global Electric Power System Testing Services revenue by player, revenue and market share 2021-2026, (USD Million)  
Global Electric Power System Testing Services total market by Type, CAGR, 2021-2032, (USD Million)  
Global Electric Power System Testing Services total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Electric Power System Testing Services 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 SGS, Intertek, Bureau Veritas, T?V S?D, DEKRA, DNV, CESI, Kinectrics, RESA Power, Shermco, 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 Electric Power System Testing Services 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 Electric Power System Testing Services Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Electric Power System Testing Services Market, Segmentation by Type:

Primary Equipment Testing

Secondary Equipment Testing

Others

Global Electric Power System Testing Services Market, Segmentation by Test Objective:

Design Verification Testing

Production Process Testing

Factory Acceptance Testing

Global Electric Power System Testing Services Market, Segmentation by Test Method:

Offline Test

Online Test

Global Electric Power System Testing Services Market, Segmentation by Application:

Power Industry

Industrial Manufacturing

New Energy Industry

Others

#### Companies Profiled:

SGS

Intertek

Bureau Veritas

T?V S?D

DEKRA

DNV

CESI

Kinectrics

RESA Power

Shermco

Dashiell

Potomac Testing

Integrated Power Services

Vertiv Electrical Reliability Services

Quanta Services

Hitachi Energy

Schneider Electric

Eaton

Siemens Energy

GE Vernova

#### Key Questions Answered

1. How big is the global Electric Power System Testing Services market?
2. What is the demand of the global Electric Power System Testing Services market?
3. What is the year over year growth of the global Electric Power System Testing Services market?
4. What is the total value of the global Electric Power System Testing Services market?
5. Who are the Major Players in the global Electric Power System Testing Services market?
6. What are the growth factors driving the market demand?

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