



Valued Quality. Delivered.



Intertek

# Power Generation Services

Global Testing, Inspection, and Certification Solutions



Intertek provides engineering, certification, testing, and inspection solutions to help you manage, enhance, and protect your power generation assets.

The Intertek logo, featuring the word "Intertek" in a bold, blue, sans-serif font inside a white rounded rectangle.

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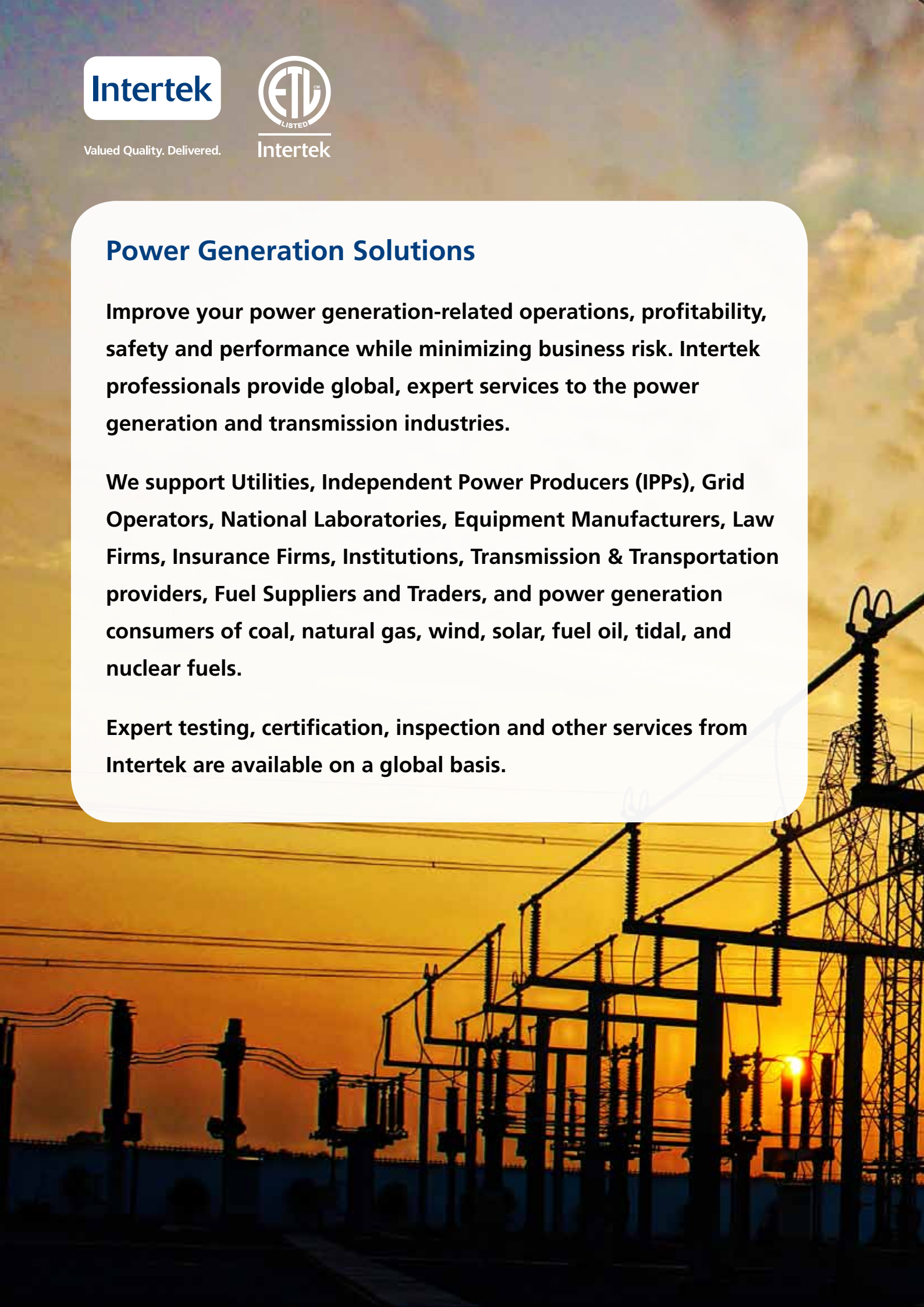
Intertek

## **Power Generation Solutions**

**Improve your power generation-related operations, profitability, safety and performance while minimizing business risk. Intertek professionals provide global, expert services to the power generation and transmission industries.**

**We support Utilities, Independent Power Producers (IPPs), Grid Operators, National Laboratories, Equipment Manufacturers, Law Firms, Insurance Firms, Institutions, Transmission & Transportation providers, Fuel Suppliers and Traders, and power generation consumers of coal, natural gas, wind, solar, fuel oil, tidal, and nuclear fuels.**

**Expert testing, certification, inspection and other services from Intertek are available on a global basis.**



# Power Generation Services:

## Asset Management and Technical Inspection:

- Engineering services
- Advanced Non-Destructive-Testing (NDT)
- Asset management software, Aware™
- Equipment, piping and condition assessments
- Forensic investigation and root cause analysis
- Power plant cycling cost evaluations
- Vendor inspection, expediting and technical auditing
- Construction support services
- 3D laser scanning & dimensional control
- Reliability, Availability & Maintainability (RAM) analysis

## Product Certification and Services:

- Listing and recognition to UL/ANSI, CSA & NFPA standards
- EN, IEC, IEEE services for CE and global markets
- Field labeling and inspection
- Low-, medium-, and high-voltage testing
- Engine emissions testing
- Electric motor performance validation and efficiency analysis
- Benchmark and durability testing

## Quality Control and R&D:

- Fuel testing and cargo inspection
  - Solid fuels (coal, petcoke, biofuels)
  - Natural gas, LNG, CNG
  - Petroleum refined products
  - Stand-by generator power fuel reliability
- Transformer oil testing
- Oil condition monitoring
- Metallurgical and mechanical testing

## Renewables:

- Solar Energy
  - Photovoltaic (PV) performance testing, bankability, and global certification services
  - Module and system testing
- Tidal Power
  - Regulatory compliance testing and services
- Wind Energy
  - Performance testing, product certification, structural analysis, and system certification
  - Field labeling and inspection, independent verification, and onshore and offshore monitoring

## Hazardous Locations and Explosive Atmospheres:

- North American product certification
- ATEX Directive (Europe) product certification
- IECEx Scheme (Global) product certification
- Training programs and technical services



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# Power Generation Services

Solutions and expertise for the Power Transmission, Thermal (solid fuels), Solar, Wind, Tidal, and Nuclear industries.



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[www.intertek.com/power-generation](http://www.intertek.com/power-generation)



## ABOUT INTERTEK

Intertek is a leading quality solutions provider to industries worldwide. From auditing and inspection, to testing, training, advisory, quality assurance and certification, Intertek adds value for its customers by helping improve the quality and safety of their products, assets and processes. With a network of more than 1,000 laboratories and offices and over 36,000 people in more than 100 countries, Intertek supports companies' success in the global marketplace, by helping customers to meet end users' expectations for safety, sustainability, performance, integrity and desirability in virtually any market worldwide. Visit [www.intertek.com](http://www.intertek.com)