

The image features a series of white wind turbines receding into the distance under a clear blue sky with some light clouds. The turbines are the central focus, with the closest one being the largest and most detailed. The overall composition is clean and professional, emphasizing the theme of renewable energy.**FLUKE®**

Wind Power Solutions

Wind energy is among the fastest growing energy sources today. As one of the generation types identified in the reduction of carbon pollution, this method of energy production helps reduce power production costs while lowering emissions. On a wind farm, technicians need to be able to service equipment quickly, safely, and efficiently.

Fluke tools perform like champions in the most challenging wind farm environments: onshore, offshore, or coastal. You can depend on Fluke tools to keep your world up and running.








Site Manager

Focus:

Ensuring high availability of equipment

- Ensuring uptime/downtime is continuous and predictable
- ROI of resources
- Increase wind farm productivity
- On-going demand to reduce operating costs

Fluke solutions:

-  Fluke Connect
-  Power quality analyzers
-  Handheld Oscilloscopes with Communication Bus Diagnostics
-  Earth ground testers
-  Insulation multimeters
-  Thermal imagers
-  Vibration testers








Site Performance Engineer

Focus:

Optimizing energy and power systems performance

- System configuration, optimization and analytics
- Minimization of system downtime
- Maintaining consistent power loads
- Troubleshooting generators, transformers, panels, and substations

Fluke solutions:

-  Fluke Connect
-  Power quality analyzers
-  Handheld Oscilloscopes with Communication Bus Diagnostics
-  Digital multimeters
-  Clamp meters
-  Insulation multimeters
-  Thermal imagers





Operations Technician

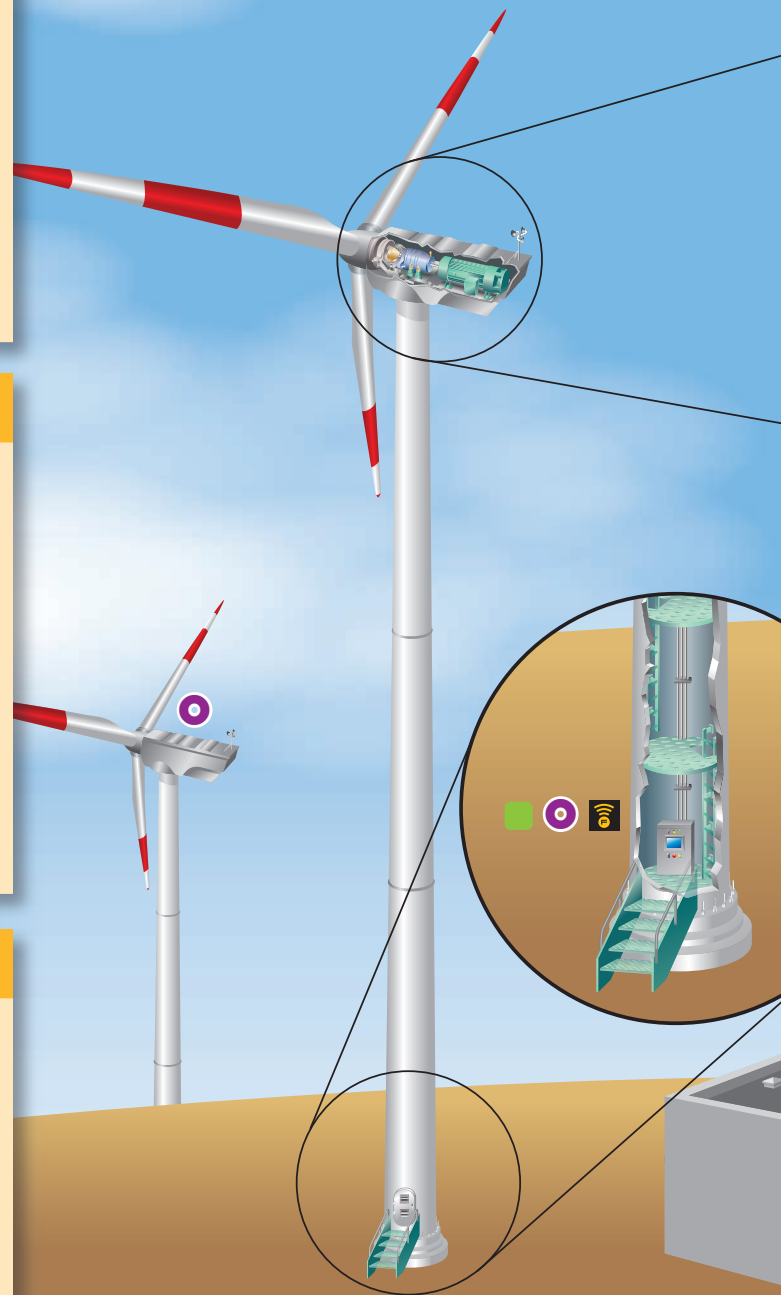
Focus:

Reliable operations, monitoring and reporting under normal conditions

- Ensure maximum asset uptime
- Monitoring and evaluating performance and service issues
- Troubleshooting emergent issues









Fluke solutions:

-  Fluke Connect
-  Infrared thermometers
-  Insulation multimeters
-  Thermal imagers



Wind power solutions

Electrical Test Tools

Power quality analyzers	Handheld oscilloscopes	Power loggers	Clamp meters	Insulation multimeters	Earth ground testers	Electrical testers	Digital multimeters
							
430 Series II	125B Series II	1738	376 FC	1587 FC	1625-2 Kit	T5 Series	279 FC

Wind Turbine Service Technician

Focus:

Install, service, repair, and troubleshoot wind turbines

- Troubleshooting wind turbine generators
- Service complex hydraulic systems and electrical controls machinery
- Electro-mechanical installation and maintenance

Fluke solutions:

- Fluke Connect
- Digital multimeters
- Insulation multimeters
- Clamp meters
- Handheld oscilloscopes
- Thermal imagers
- Vibration testers

Electricians/Electrical Engineer

Focus:




Electrical installation, maintenance and repair

- Power installation support and reworks
- Troubleshooting sensitive power equipment
- Power quality analysis for consistent and efficient delivery

Fluke solutions:

- Fluke Connect
- Power quality analyzers
- Digital multimeters
- Infrared thermometers
- Electrical testers
- Insulation multimeters
- Clamp meters
- Earth ground testers
- Thermal imagers

Learn how Fluke solutions can save you time and money while increasing your productivity at www.fluke.com.

Infrared and Vibration Tools							Software
Digital multimeters	Thermal imagers expert	Thermal imagers professional	Infrared thermometers	Vibration testers			Maintenance software
 87V	 TiX560	 Ti450	 568	 805 FC	 810	 820-2	 Fluke Connect®

Recommended wind power solutions

Fluke Connect

Best suited for:

- Simplifying preventive maintenance programs
- Seamlessly integrating tool data into software
- Diagnosing asset health in the field
- Cloud-based data sharing



Vibration tester

Best suited for:

- Predictive and condition-based maintenance
- Identifying root cause and diagnosing severity of machine's condition
- Prioritizing critical repair and replacement options
- Use with motors, pumps, fans, compressors, belt/chain drives, gearboxes and spindles



Power quality analyzers

Best suited for:

- Troubleshooting and preventing problems in power generation, transmission and distribution systems
- Conducting load studies to reduce energy usage
- Use with motors, pumps, generators, transformers, compressors and electrical panels



Digital multimeters

Best suited for:

- Electrical system installation and troubleshooting
- Quick voltage detection
- Environments with both ac and dc (autoVolt) or ghost voltages



Clamp meters

Best suited for:

- Verifying the presence of load current, AC/DC voltage and continuity
- Measuring 1000 A ac/dc (2500 A AC with iFlex) in motors, pumps, compressors, fans, blowers, vaults and bus bars
- Measuring loads and line frequency in circuits



Power loggers

Best suited for:

- Capturing and logging over 500 power quality parameters
- Troubleshooting and performing advanced analysis on power quality issues
- Energy surveys to determine sources of electrical energy waste



Thermal imagers

Best suited for:

- Inspection of electrical panels and detection of "hot spots" on breaker panels and bus work
- Monitoring cooling fluid levels such as dielectric oils for transformers
- Use with steam traps, electrical panels, motors and VFDs



Insulation testers

Best suited for:

- Wide range of tests including simple spot checks, timed tests and breakdown tests
- Insulation resistance testing up to 10 kV
- Use with switchgear, motors, generators and cables



Fluke. Keeping your world up and running.®

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