

Recommended utility solutions

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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



Infrared windows

Best suited for:

- Reducing time needed to conduct regular infrared inspections
- Ensuring employee safety by eliminating exposure to live equipment
- Improving productivity by reducing number of technicians needed to conduct inspections
- Use with electrical cabinets, distribution switchgear, transformers, generator connections and communication equipment racks



Battery analyzers

Best suited for:

- Maintenance, trouble shooting and performance testing of UPS banks
- Measuring battery resis tance, AC and DC voltage and current ripple voltage, frequency and temperature



Vibration meters

Best suited for:

- Predictive and conditionbased maintenance
- Identifying excessive vibration 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

Thermal imagers and SF6 Gas

Best suited for:

Detectors

- 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



Earth ground testers

Best suited for:

- Earth resistance loop and soil resistivity testing
- Safety of personnel and proper operation of equipment
- Diagnosing intermittent electrical problems related to poor earth grounding



Power quality analyzers

Best suited for:

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- Troubleshooting and preventing problems in power generation, transmission and distribution systems
- Conducting load studies to discover the changing load of the network.
- Use with motors, pumps, generators, trans formers, compressors and electrical panels



Power loggers

Best suited for:

Capturing and logging over 500 power quality parameters

- Troubleshooting and per forming advanced power
- quality analysis on power quality issues
 Network load surveys to determine the effects of

• customers individual systems.



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



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



Sonic Industrial Imager

Best suited for:

- Do more with the same air compressors delay the capital expense of purchasing an additional compressor
- Ensure proper air pressure to your pneumatic equipment
- Lower utility costs
- Reduce leak detection time
- LeakQ Report Generator



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Contact information

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Utilities—Energy Solutions

Fluke solutions for accurate information and consistent performance

The utilities industry is a uniquely demanding and frequently dangerous environment. Whether you work in power generation, transmission, distribution, or installation, you can't afford test or measurement errors.

Fluke tools are built to the highest safety and reliability standards. Depend on Fluke, the industry standard against which all other tools are measured.

See our full line of innovative products atwww.fluke.com

Facility Maintenance/ Process Technician

Issues faced:

- Ensuring continuous and Fluke Connect predictable uptime and downtime
- Safety of personnel and the utility environment
- Budget restrictions
- Immediate response and repair to process interruptions

Fluke solutions:

- Multifunction process calibrators
- A Process test tools
- Digital multimeters
- Clamp meters
- Power quality analyzers
- Portable oscilloscopes
- Insulation testers
- Vibration tester
- Alignment tool
- Infrared windows & Thermal imagers
- Precision sonic imager
- Batter tester

Power Quality Technician

Issues faced:

- Network optimization
- Customer downtime prevention

Fluke solutions:

- Fluke Connect
- Digital multimeters
- Clamp meters
- Earth ground testers
- Power quality analyzers
- Power loggers
- Thermal imagers

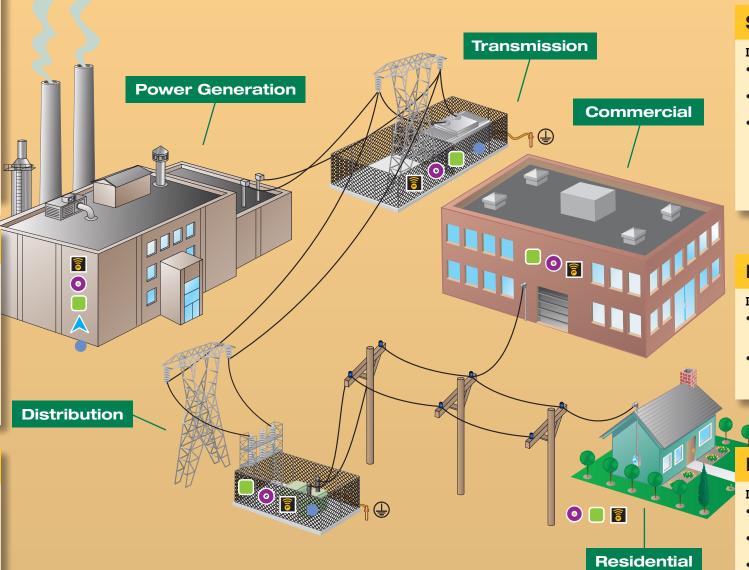
Meter Shop Technician

Issues faced:

- Voltage quality
- Accurate revenue measurements

Fluke solutions:

- Fluke Connect
- Digital multimeters
- Clamp meters
- Power quality analyzers
- Earth ground clamp meters
- Alignment tool



Substation Technician

Issues faced:

- Preventative mainte nance
- Equipment protection with proper grounding
- Transformer breaker and relay performance

Fluke solutions:

- Fluke Connect
- Digital multimeters
- Clamp meters
- Earth ground testers
- Insulation testers Infrared windows &
- Thermal imagers Precision sonic imager
- Batter tester

Lineman

Issues faced:

- Safety during troubleshooting and connectivity
- Accurate and consistent data

Fluke solutions:

- **Fluke Connect**
- Digital multimeters
- Clamp meters
- Thermal imagers

Energy Audit Technician

Issues faced:

Areas of improper

- insulation
- Unwanted air infiltration and exfiltration
- Quality energy audits

Fluke solutions:

- Fluke Connect
- Earth ground testers
- Power quality analyzers
- Thermal imagers

Diagram is not intended to be an exact representation.

Diagram components are not to scale and are for illustration purposes only.

Fluke utilities solutions

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