

## Recommended manufacturing solutions

### Insulation testers

**Best suited for:** Insulation resistance and digital multimeter tests including simple spot checks to times tests, troubleshooting, preventive maintenance, testing voltages from 50 V to 5000 V



### Digital multimeters

**Best suited for:** Quick voltage measurements in environments with both AC and DC or ghost voltages, VSD motor drive installation and troubleshooting



### Infrared cameras

**Best suited for:** Providing non-contact measurements for identifying potential problems in steam traps (leakage), electrical panels, motors, VFDs, tank levels, refractory, furnaces, reformers, transformers and pumps



### Handheld oscilloscopes

**Best suited for:** Troubleshooting and installation of pumps, compressors, motors, fans, and blowers; bus health testing for industrial bus systems



### mA process clamp meters

**Best suited for:** Control loop calibration, maintenance and repair, includes mA measurement with clamp, mA sourcing and simulation, source and measure DC voltage



### Power quality analyzers

**Best suited for:** Finding power quality problems; troubleshooting generators; identifying harmonics (electronics); performing load studies



### Vibration and alignment testers

**Vibration suited for:** Diagnosing machine fault issues on pumps, compressors, motors, fans and blowers



**Stroboscope suited for:** Performing RPM diagnostics on machinery, detecting details issues on moving parts & identifying defects



**Alignment suited for:** Correcting misalignment with an intuitive interface for all skill levels with coupling results and feet corrections in real time

### Wireless software

**Best suited for:** Working between skill levels for troubleshooting help, diagnosing asset health analysis in the field, predictive and preventive maintenance, and work order approval



### Infrared thermometers

**Best suited for:** Gathering surface temperature readings for inspection of heating, motors, HVAC, and circuit breakers



### Clamp meters

**Best suited for:** Measure 1000 A ac or dc in motors, pumps, compressors, fans, blowers, vaults and bus bars; measure loads and line frequency in circuits



### Process tools

**Best suited for:** Maintenance and calibration of process instruments and control system I/O; measuring, sourcing and simulating 4-20 mA control loops



**Fluke. Test and measurement solutions for the machinery, instrumentation, and appliances manufacturing industries.**

### Fluke solutions can help you maintain production reliability and asset uptime

Fluke understands that machinery, instrumentation, and appliances manufacturing industries face a wide range of challenges. From machine uptime to production safety, it's critical to keep operation and production flow at peak performance.

Fluke solutions are available in every location across your production floor including rugged tools for field service, R&D testing, facilities maintenance, electromechanical systems, motors and drives, and electrical networks. Fluke makes reliable tools that professionals in the manufacturing industries can count on for accurate and consistent measurements to keep your facility up and running.

See our full line on innovative products at [www.fluke.com](http://www.fluke.com)

*Fluke. Keeping your world up and running.®*

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### Manufacturing Engineer

- Issues faced:**
- Monitoring consistent quality power loads
  - Ensuring continuous predictable uptime and downtime
  - Setting up production process and instructing maintenance technician to do preventive maintenance or repairs
  - Establishing plant and personnel safety
- Fluke solutions:**
- Fluke Connect®
  - Infrared cameras
  - Vibration testers
  - Power quality analyzers
  - Clamp meters

### Maintenance Technician

- Issues faced:**
- Troubleshooting equipment
  - Servicing complex systems and machinery
  - Electro-mechanical installation and maintenance
- Fluke solutions:**
- Fluke Connect®
  - Digital multimeters
  - Electrical testers
  - Clamp meters
  - Insulation meters
  - Process Tools
  - Infrared cameras
  - Vibration/alignment testers

### Automation/Control Engineer

- Issues faced:**
- System configuration optimization, and analytics
  - Controlling system downtime
  - Commission, test and troubleshoot analog and digital I/O
- Fluke solutions:**
- Fluke Connect®
  - Handheld oscilloscopes
  - Digital multimeters
  - Clamp meters
  - Process tools

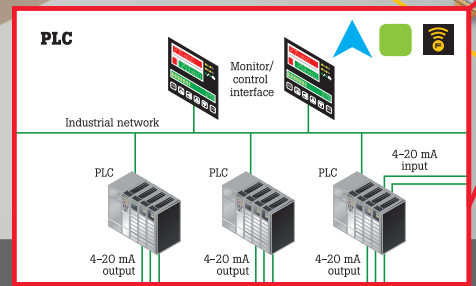
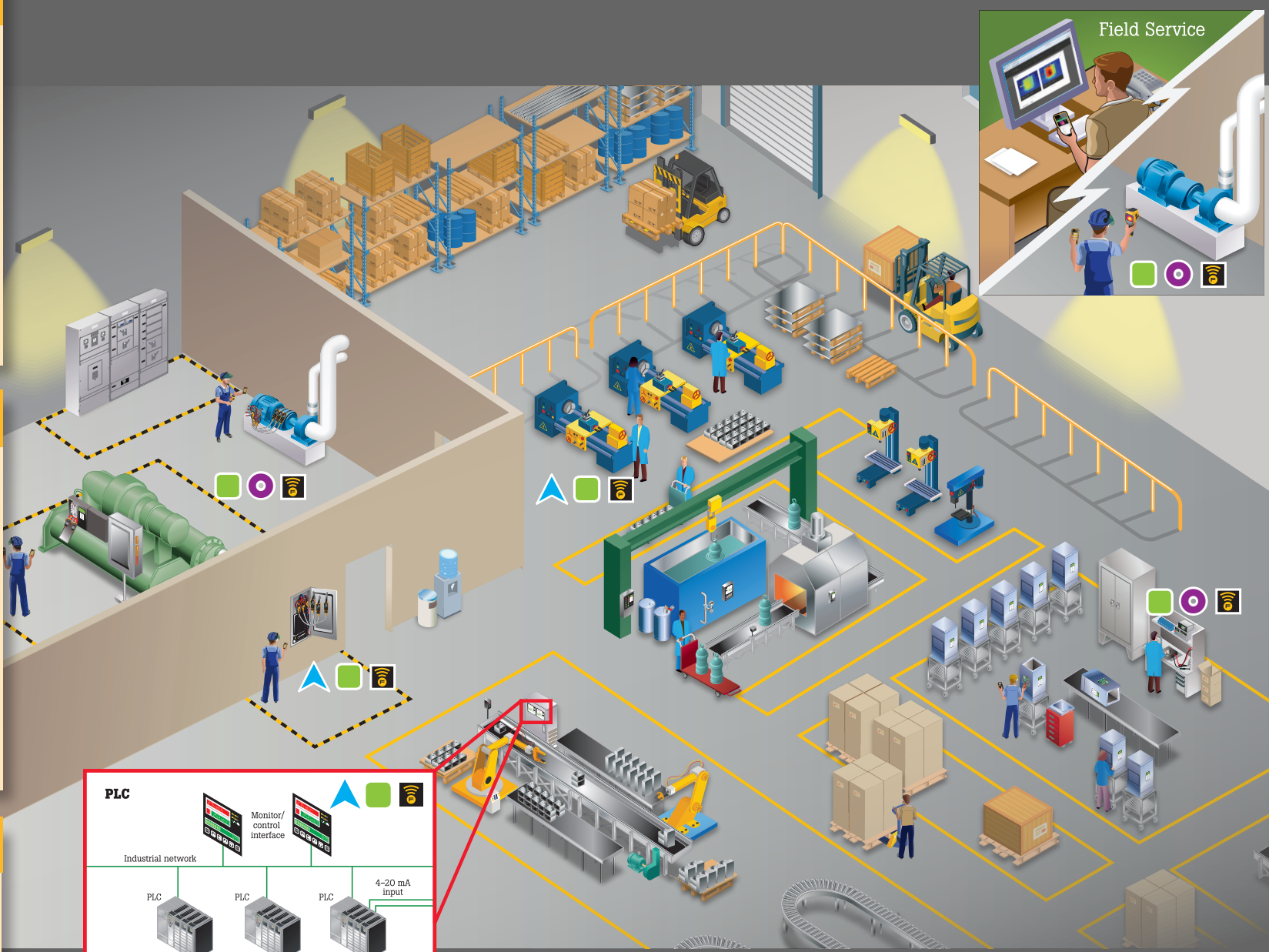


Diagram is not intended to be an exact representation. Diagram components are not to scale and are for illustration purposes only.

### Field Service Technician

- Issues faced:**
- Emergency calls for equipment downtime
  - Diagnostic procedures on complex systems
  - Getting the machinery on line as fast as possible
- Fluke solutions:**
- Fluke Connect®
  - Power quality analyzers
  - Clamp meters
  - Digital multimeters
  - Handheld oscilloscopes
  - Installation testers
  - Infrared thermometers
  - Vibration/alignment testers

### Reliability Engineer

- Issues faced:**
- Preventive maintenance and asset uptime
  - Benchmarking and root cause analysis to prevent future failures
  - Troubleshooting emergent issues
- Fluke solutions:**
- Fluke Connect®
  - Insulation multimeters
  - Power quality analyzers
  - Infrared windows/cameras
  - Vibration testers
  - Visual IR thermometers
  - Process tools

## Fluke manufacturing solutions

Learn how Fluke solutions can save you time and money while increasing efficiency and safety at [www.fluke.com](http://www.fluke.com)

Process Calibration Tools			Electrical Test Tools						Infrared and Vibration Tools			Software
Process test tools	Pressure testing	Multifunction testing	Power quality analyzers	Clamp meters	Digital multimeters	Handheld oscilloscopes	Insulation multimeters	Installation tester	Infrared thermometers	Infrared camera/IR windows	Vibration and alignment testers	Fluke Connect® Assets
789 773	700G	726	43x Series II	376	3000FC	190 Series II	1587	1645B	62MAX+	Ti400 CV Series	810 820-2 830	