

**FLUKE®**

Aerospace Solutions

Fluke solutions for aerospace professionals.

Aerospace professionals work on a variety of aircraft such as commercial passenger aircraft, space vehicles, aircraft engines, propulsion units and related parts. They are responsible for the research, development, modification, production, maintenance and repair of these aircrafts.

Fluke tools are excellent for the aerospace environment, the professionals who work there, and the challenges they face every day. The world counts on these professionals to provide the safest flights to their destinations while these professionals count on Fluke to provide the best test and measurement tools for their job.

QC/QA Manager

Issues faced:

- Avionics/electronics assembly and testing
- Conformance to product quality and standards
- Validating and documenting QC results

Fluke solutions:

- Fluke Connect
- Process test tools
- Multifunction process calibrators
- Pressure gauges and calibrators
- Portable oscilloscopes
- Digital multimeters
- Thermal imagers

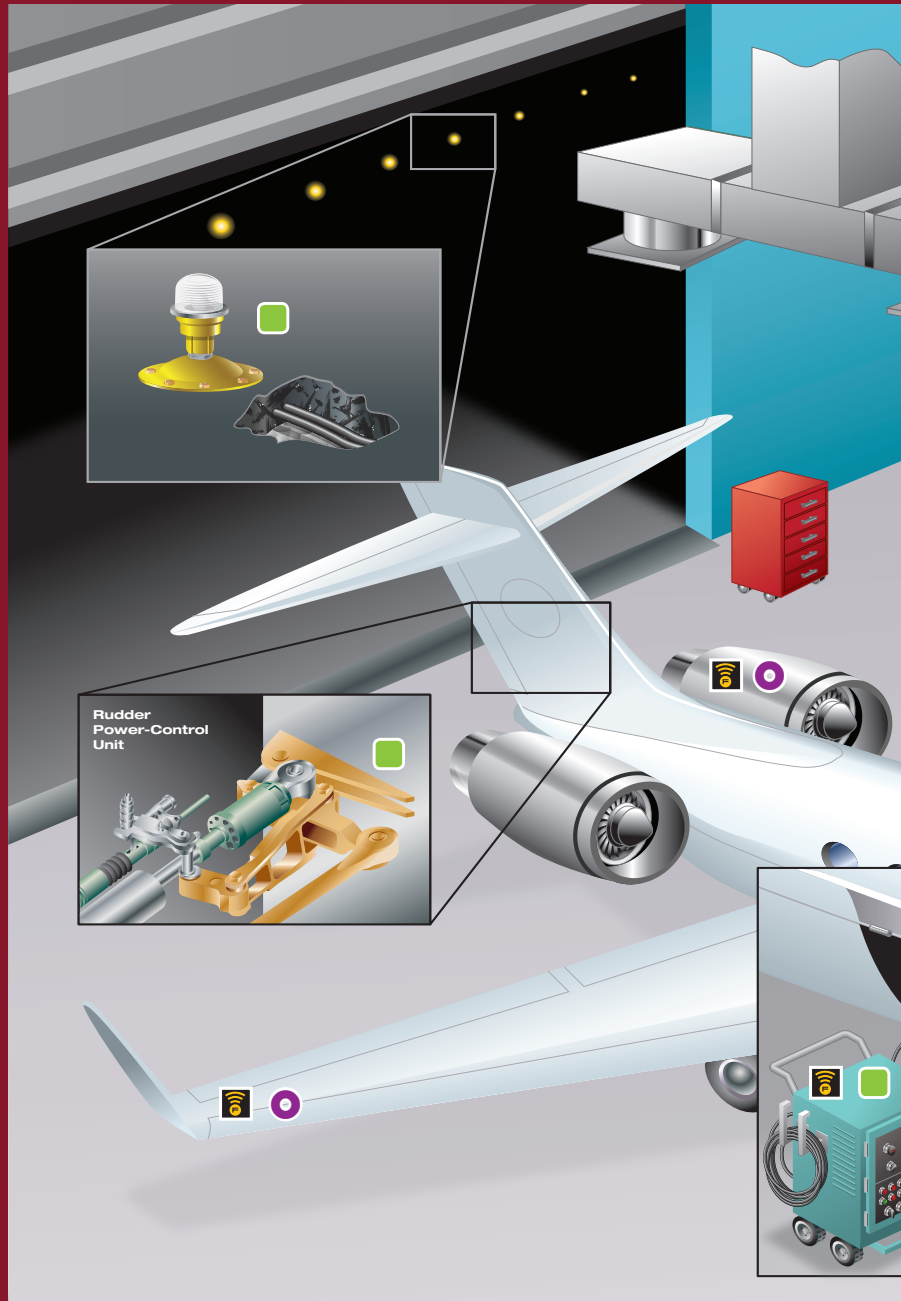
Maintenance Manager/Operations

Issues faced:

- Conformance to quality processes and standards
- Asset uptime
- Maintenance expense

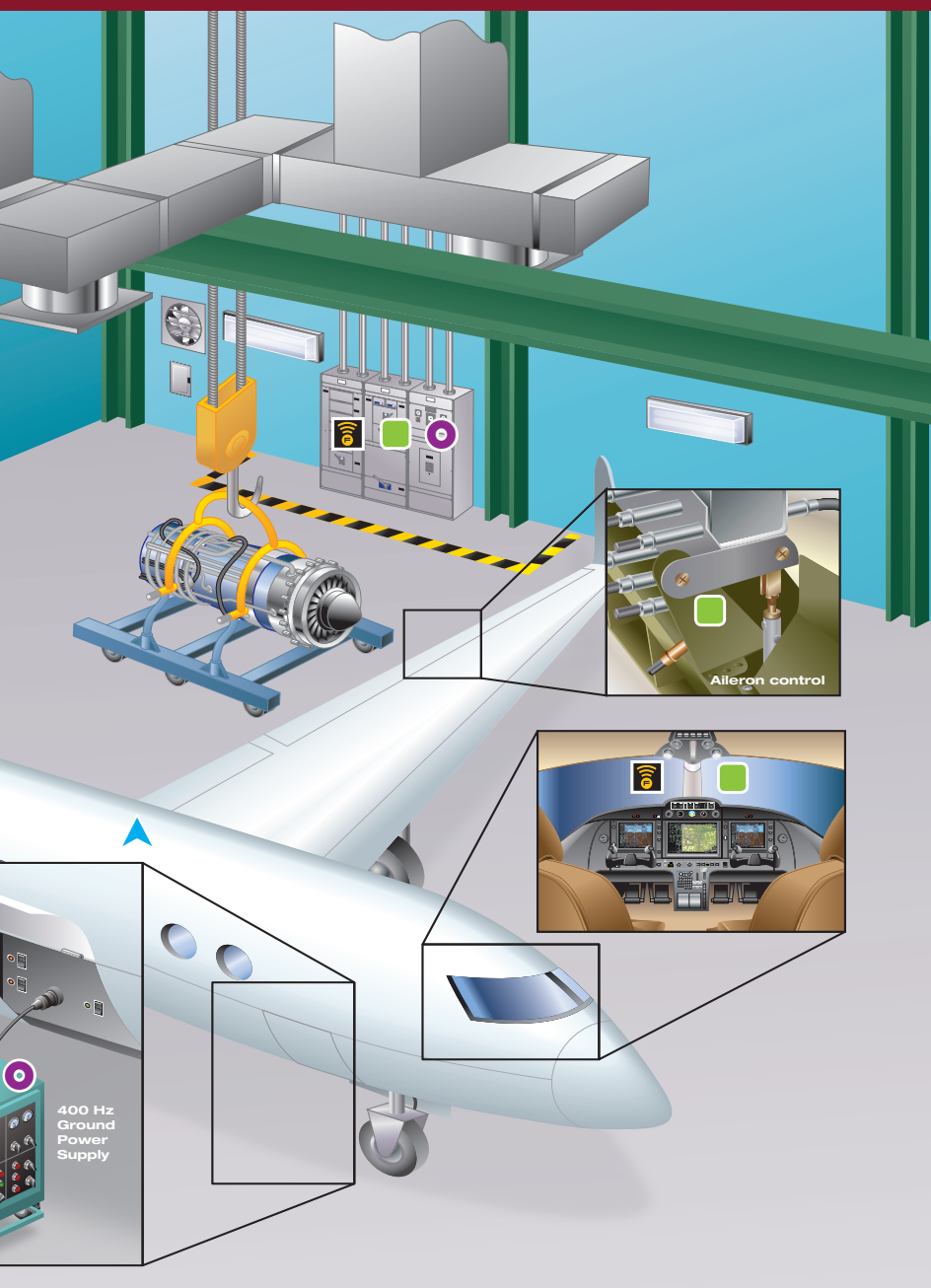
Fluke solutions:

- Fluke Connect
- Portable oscilloscopes
- Insulation multimeters
- Digital multimeters
- Power quality analyzers
- Clamp meters
- Thermal imagers
- Infrared thermometers



Fluke aerospace solutions

Process Calibration Tools				Electrical Test Tools					
Multifunction process calibrators	Pressure gauges and calibrators		Process test tools		Power quality analyzers	Portable oscilloscopes	Power loggers	Clamp meters	Insulation multimeters
									
726	700G	729	789	773	430 Series II	190 Series II	1738	376 FC	1587 FC



Facilities Engineer

Issues faced:

- Controlling energy costs
- Systems uptime maintenance

Fluke solutions:

- Fluke Connect
- Power quality analyzers
- Electrical testers
- Clamp meters
- Power loggers
- Thermal imagers
- Alignment tool
- Vibration tester
- Infrared thermometers

Electrician

Issues faced:

- Efficient, consistent power quality delivery
- Power installation and reworks
- Safety and energy maintenance and troubleshooting

Fluke solutions:

- Fluke Connect
- Digital multimeters
- Power loggers
- Insulation multimeters
- Power quality analyzers
- Infrared thermometers

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

Fluke offers a full line of aerospace solutions to fit all needs.
Go to www.fluke.com for detailed information on these products.

Infrared and Vibration Tools							Software
Digital multimeters	Thermal imagers expert	Thermal imagers professional	Infrared thermometers	Vibration tester	Alignment tool	Maintenance software	
 87V	 TiX580	 Ti480	 568	 810	 805 FC	 830	 Fluke Connect®

Recommended aerospace solutions

Thermal imagers

Best suited for:

- Airplane's fuselage inspection (skin lap joints, stringers, doublers and rivets)
- Delamination tests on composite materials
- Monitoring corrosion, paint adhesion, moisture ingress and paint thickness on fuselages
- Measurement of in-place thermal diffusivity of materials
- Inspecting HVAC systems on airplanes
- Detection of "hot spots" on motors, pumps, VFDs, bearings and conveyor belts



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
- 437 II is the 400 Hz power quality analyzer made for avionic applications



Pressure calibrators

Best suited for:

- Pressure calibration of transmitters, gauges, switches, and custody transfer meters
- Maintenance of almost any pressure device using pressure sourcing and mA measurements
- Calibrating P/I instruments with simultaneous pressure and current measurement



Portable oscilloscopes

Best suited for:

- Installing and maintaining electronic industrial equipment out in the field
- Diagnosing industrial machinery, automation and process controls and power electronics
- Bus health testing for industrial bus systems



Digital multimeters

Best suited for:

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



Insulation multimeters

Best suited for:

- Insulation resistance tests
- Troubleshooting and preventive maintenance



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



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



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

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