

## CASE STUDY

## Aero Engine Electrical Repair Services



**Accessories and Components (A&C) have comprehensive process and repair development capability, improving yield and minimizing replacement parts cost**

Engine Model	Repair Service		
	Wiring Harness	Thermocouple	Sensors
CFM56 (all variants)	•	•	•
GE CF34 (all variants)	•	•	
GE CF6-80C2	•	•	
IAE V2500 (all variants)	•	•	•
P&W4000 (all variants)	•		
P&W2000 (all variants)	•		

### Repair Overview

Modern aero engines contain an array of complex electrical accessories and components performing vital tasks related to engine management, instrumentation, actuation and distribution of electrical power supply to an ever increasing number of aircraft components.

### In-service Degradation

These robust units provide many years of reliable service, however they are subject to hostile environments including, wind turbulence, temperature variation, vibration, contamination and handling damage.



### Repair Solution

Fault finding unserviceable components is very time consuming and premature failure could result in the need to purchase of high cost replacement parts. A&C offers an alternative solution to operators by providing a comprehensive repair service including:

- + Replacement electrical connectors
- + Sensor repair/replacement
- + Rewiring of damaged harnesses
- + Full testing and certification
- + Replacement of protective braiding
- + Exchange service

### Repair Development Service

A&C Duncan, South Carolina supports the global aviation industry with repair services is backed by OEM and regulatory approval. Our experienced engineers are capable of fault diagnosis and full repair development, including reverse engineering and DER repairs.

**CASE STUDY****Aero Engine Electrical Repair Services****EthosEnergy Accessories and Components**

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**EthosEnergy Profile**

**EthosEnergy**, is a leading independent service provider of rotating equipment services and solutions to the power, oil & gas and industrial markets. Globally, these services include power plant engineering, procurement and construction; facility operations & maintenance; design, manufacture and application of engineered components, upgrades and re-rates; repair, overhaul and optimization of gas and steam turbines, generators, pumps, compressors and other high-speed rotating equipment.

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