

EASA, FAA, CAAC Certified Component MRO

Leading independent service provider to the aerospace
industry with over 30 years of experience



WHY ETHOSENERGY?

- ✓ **Certified and OEM approved**
EASA, FAA, CAAC, Pratt & Whitney, International Aero Engines, USAF approvals
- ⚡ **High yield aero component repair**
Detailed clean/test/inspect process produces a higher yield, increased longevity of parts
- 🕒 **Best in class lead time**
- 🔄 **Full process capability**
No delays due to outsourcing, supply chain

Processes include (but not limited to)::

- Honeycomb replacement and crack repair; honeycomb seal brazing
- Shot peening/wet and dry grit blast
- Nitric and hydrochloric acid coating removal
- Vibration peening - permanent marking method
- Airfoil blending
- Airflow and fuel flow testing
- Ultrasonic wall thickness check
- Electron beam welding
- Automatic and manual grinding
- Manual gas tungsten arc welding (GTAW/TIG)
- Non-destructive testing, fluorescent penetrant inspection
- Digital x-ray and magnetic particle inspection
- Stripping/cleaning/acid etching
- Electro-discharge metal removal
- Aqueous cleaning and degreasing line
- Hot straightening and classification (hot forming)

ENGINE CAPABILITIES

A range of certified solutions, including fuel nozzles, blades, vanes, and electrical components across multiple engine types.

Turbofan

- IAE V2500
- Pratt & Whitney PW100, PW2000, PW4000, JT8D-200
- Honeywell ALF502, LF507, LTS101, HTF7000
- Rolls-Royce AE2100, AE3007, Spey, Tay
- CFMI CFM56-2, -3, -5, -7
- GE CF6-50, CF6-80, CF34-3, -8, -10

Turboprop & APU

- Pratt & Whitney PW100, PT6A
- Honeywell TPE-331, 131-9
- GE CT7
- Hamilton Sundstrand APS2100, APS3200, APS5000

Military

- Pratt & Whitney F100, F117
- Rolls-Royce Adour, Spey, T56
- Honeywell T53, T55



OUR FACILITIES

In-house testing, repair, overhaul and exchange services designed to extend the life of components



East Windsor, CT

- Fuel nozzles and accessories overhaul
- Approvals:
 - Parker Hannifin, AA Tech, Woodward, Pratt & Whitney, IAE, Siemens, Rolls-Royce, US Navy, FAA, EASA, AS9110, NADCAP (NDT)

Duncan, SC

- Electrical harnesses, thermocouple harnesses, sensors, machined components, composite repair
- Approvals:
 - FAA EASA Auxitrol CAAC AS9110

Aberdeen, UK

- Fuel nozzles and accessories overhaul
- Approvals:
 - Parker Hannifin, AA Tech, Woodward, Hydra Service (Dynapower), Siemens, Rolls-Royce FAA, EASA AS9110

Wallingford, CT

- Turbine blades, vanes, and nozzles
- Approvals:
 - FAA, ISO 9001-2015 (AS9110 in 2021)

About EthosEnergy

EthosEnergy turns on potential to deliver services and solutions globally for rotating equipment to make energy affordable, available and sustainable.

A unique combination of partnership and service quality, backed by a track record of tailored solutions, for the power, oil & gas, industrial and aerospace markets.

EthosEnergy operates in over 100 countries to consistently improve performance across the value chain.