



SURAJ SINGH JAGAI

Rotating Equipment Technician – Level 2
Perth, Western Australia

Aircraft Maintenance Apprenticeship – Aeroskills – Certificate IV

A qualified Aircraft Mechanical Maintenance Engineer, specialising in Gas Turbines. Experienced in component maintenance, modifications and repair on a wide range of aviation engine types, with a skillset transferable to light industrial and Aeroderivative machines. A thorough & systematic worker with a great attention to detail, quality & reporting, bringing a high standard of execution to maintenance activities.

Formal Competency

Degree / Trade	✓
Drivers Licence	✓
Police Check	-
Medical – OGUK	✓
BOSIET / FOET	✓
CA-EBS	✓
MSIC	✓
CSTP	-
Dogging (DG)	✓
Basic Rigging (RB)	-
Working at Heights (WAH)	✓
Confined Space Entry (CSE)	-
Gas Testing Atmos, (GTA)	-

Core Skillset

Mechanical Fitting & Flanges	✓
RE – Best Practice	✓
Solar Turbines – Services	✓
Solar Turbines – Engine Change	-
Solar Turbines – Laser Alignment	-
Solar Turbines – Borescope	-
Solar Turbines – Controls	-
Solar Turbines – Troubleshooting	-
Solar Turbines – Strategies (Maint)	-
Solar Turbines – DGS Thrust	-
Solar Turbines – DGS Non-Thrust	-
Solar Turbines – Comp. Change	-
Solar Turbines – Comp. Align	-

Machinery Knowledge

Solar Turbines – Saturn 20	-
Solar Turbines – Centaur 40	-
Solar Turbines – Centaur 50	-
Solar Turbines – Taurus 60	-
Solar Turbines – Taurus 70	✓
Solar Turbines – Mars 90	-
Solar Turbines – Mars 100	-
Solar Turbines – Titan 130	✓
Solar Turbines – Titan 250	-
Solar Turbines – C160 Comp.	-
Solar Turbines – C33 Comp.	-
GE – TM / LM2500	✓
GE – LM6000	✓

Project History / Achievements

- Experienced in Gas Turbines, Generators, Centrifugal Compressors, Gearboxes and their respective sub systems.
- Execution of **Solar Turbines** gas turbine servicing, engine & centrifugal compressor replacements.
- Supporting the execution of **GE LM6000** engine changes.
- Repair and overhaul CF6-80C2 & CF6-80E1 gas turbine engines.
- Complete Borescope inspections of **GE** and Pratt & Whitney Engines.
- Gas Turbines and Compressors Balancing, including final engine vibration rectifications in workshop setting.
- Specialist mechanical support for installation of new packages for rotating equipment.
- Advance troubleshooting and Gas Turbine Performance Monitoring, including providing technical advice.
- Remote monitoring and trend analysis of Turbomachinery.
- Maintenance strategy development for high speed rotating equipment, including critical sparing reviews.
- Plan, execute and supervisor up to 20 personnel on major Maintenance programs, including all ancillary equipment.
- Provide training for employees in maintenance procedures, overhaul operations, borescopes and routine service activities on gas turbines and Aircraft Systems.