



JOSIP RADOS

Mechanical Engineer – Level 2
Perth, Western Australia

Bachelor of Engineering / Bachelor of Technology – Mechanical / Motorsport Eng.

*Professionally educated Mechanical Engineer with proven experience working across **Solar Turbine & GE Gas Turbine Machinery** in the Oil & Gas and Energy sectors. Skilled in scope development and execution for machinery, including Gas Turbine Compressor and Generator Sets. History of working in the offshore & onshore Oil & Gas industries, executing gas turbine major component repair / replacements, laser alignment & routine service work.*

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

- Offshore and onshore lifting & replacement of **Solar Turbine** T60, T70, M100 engines, C33/C160 centrifugal compressors & close coupled reduction gearboxes.
- Leading laser alignment of **Solar Turbine** generator & compressor sets.
- Leading service activities on **Solar Turbine** Gas Turbines.
- Lead replacement of DGS & Separation Seals on **Solar Turbines** C160/C33 compressors.
- Supporting execution of **GE** LM6000 hot section replacements
- Development of maintenance procedures and routines for **Solar Turbines** engines and centrifugal compressors.
- Precision measurement, design, and fabrication of tooling equipment for DGS replacements on **Solar Turbines** C160 centrifugal compressors, custom lifting tools for **Solar Turbines** T70 reduction gearboxes & custom magnetic mounting brackets for laser alignment heads on **Solar Turbines** M100.
- Advanced workpack development for **Solar Turbines** engines and compressor major component replacement in mining & onshore / offshore Oil & Gas industries.
- Site flange management execution for process piping for turbomachinery ancillary scopes.