



STEVEN THORNE

Rotating Equipment Specialist – Level 4
Perth, Western Australia

Engineering - Electrical / Electronic Trade – Certificate IV – Royal Aust. Navy

*A Turbo-Machinery Equipment Specialist with more than two decades experience in various roles in Australia in the energy and marine sectors. Formally trained in electronics with strong experience in **Solar Turbines** controls, instrument and electrical, mechanical, troubleshooting and major maintenance and commissioning. Extensive history in front-line project hands-on execution, project management, personnel management, contracts and specialist parts.*

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

- Extensive experienced in **Solar Turbines** Gas Turbines, Generators, Centrifugal Compressors, Gearboxes and their respective sub systems for all model types.
- Specialist Instrument, Controls, Logic and mechanical support for installation of new packages – major project commissioning for **Solar Turbines** equipment.
- Provide technical and hands on support for all **Solar Turbine** gas turbine repairs, servicing, commissioning of instrumentation, power generators, mechanical components, and gas compressors.
- Complete Borescope inspections of **Solar Turbines** machines.
- Offshore lifting & replacement of **Solar Turbines** engine, gearboxes and centrifugal compressors.
- Executing Laser and dial alignment on compressor & generator sets for all **Solar Turbine** models.
- Ladder logic and shutdown troubleshooting, control upgrades and surveillance of **Solar Turbines** machinery.
- Maintenance strategy development for high-speed **Solar Turbines** equipment, including critical sparring reviews.
- Remote monitoring, trend analysis and commissioning of T60 & T70 mechanical drive units driving Dresser-Rand gas compressors, and S20 power generation packages.