



## MARK WICKRAMASINGHE

Mechanical Engineer – Level 2  
Perth, Western Australia

Master of Professional Engineering – Mechanical Engineering

*A Masters qualified Mechanical Engineer with extensive experience in the resources industry. Proven success across a range of machinery areas including maintenance strategy development, **Solar Turbine** Project coordination, condition monitoring, asset management and capital improvement projects. Passionate about engineering blended with technology to support end-users with machinery reliability & availability.*

### 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

- Development of maintenance strategies and detailed maintenance procedure documentation for various high speed rotating equipment including **Solar Turbines** machinery for multiple resource sectors.
- Project coordination, planning and strategy documentation related to **Solar Turbines** C50, T70 and M100 units.
- Site project management & execution support for critical intrusive scopes across **Solar Turbines** C160 compressor.
- Setup and management of site-wide Condition Monitoring program for onshore and offshore O&G facilities, with particular focus on production critical turbomachinery and ancillary package equipment.
- Minor capital project management and engineering design for package tooling on laser alignment and lifting equipment for **Solar Turbines** engines.
- Life cycle cost modelling of Critical Machinery fleets to inform capital investment decision on turbomachinery Delivery of operational dashboard to improve work management and process compliance for maintenance and operations teams on O&G facilities.
- Feasibility study into application of wireless sensor technology on balance of plant machinery on O&G facilities to support predictive maintenance strategy, along with digital field mobility solutions.