



Mark Wickramasinghe

Mechanical Engineer – Level 2

Perth, Western Australia, Australia.

Formal Education / Trade

Master of Professional Engineering (Mechanical)

- University of Western Australia, Perth, WA
- Completed 2017

Bachelor of Science

- University of Western Australia, Perth, WA
- Major in Engineering Science and Finance

Competencies / Training

T-BOSIET	Valid 2022
CA-EBS	Valid 2022
MSIC	Valid 2022
Passport – Australia	Valid 2022
Drivers Licence – WA	Valid 2022
VCAT II – BINDT	Valid N/A
Asset Mgmt Council	Valid N/A
Azure Fundamentals	Valid N/A
PSM I – Scrum.org	Valid N/A
SAFe – Scaled Agile	Valid N/A

Core Skillset

Rotating Equipment ✕

Project Engineering ✕

Condition Monitoring ✕

Equipment Maintenance Strategies ✕

Agile ways of working ✕

SQL ✕

Programming (Python, R) ✕

Business Intelligence ✕

Formal Employment History

Rotation Solutions Pty Ltd – Perth, Western Australia

- Rotating Equipment Support Engineer
- July 2020 - Present

Deloitte – Perth, Western Australia

- Management Consultant in Analytics and Cognitive team
- October 2019 – July 2020

Wood – Perth, Western Australia

- Graduate in Rotating Equipment Reliability team
- February 2018 to October 2019

Wood – Rotating Equipment Reliability Engineer - 2017 - 2018

Calsta – Mining Business Consulting – 2016 - 2017

Project History / Achievements

- Setup and management of site-wide Condition Monitoring program for onshore and offshore O&G facilities.
- Routine Condition Monitoring data analysis and reporting.
- Condition monitoring support for start-up and commissioning activities of FPSO post-drydock shutdown.
- Development of dashboards related to condition monitoring data, increasing accessibility of information for improved decision-making ability and cost-effective maintenance.
- Delivery of operational dashboard to improve work management and process compliance for maintenance and operations teams on O&G facilities.
- Piping and SBF high flow rate FIV assessment according to energy institute (EI) guidelines.
- Feasibility study into application of wireless sensor technology on balance of plant machinery on O&G facilities to support predictive maintenance strategy.
- Implementation of a field mobility solution across several domestic O&G facilities to replace paper-based operator routine duties.
- Development of Predictive Maintenance roadmap and strategies for multinational O&G client.
- Life cycle cost modelling of Critical Machinery fleets to inform capital investment decision.
- Community involvement being a Squad member for the Talent with Inclusion and Identity Social Impact Squad – previous employment.