



EQUIPMENT CERTIFICATION



PRACTICAL[®] ENGINEERING

Creative thinking. Practical solutions.

Certification provides confidence that your equipment is safe for use and will perform as specified. It also improves equipment efficiencies by reducing unplanned downtime.

At Practical Engineering we specialise in the design, verification, testing, inspection and certification of all lifting, transport and mounting equipment to comply with general WHS Regulations. This includes equipment at construction sites, fabrication workshops, manufacturing plants, oil & gas facilities, mines and quarries.

We can provide in-house certification, third party testing and verification and WHS registration for 'registrable plant'.

Our team also offers a re-certification service following equipment modification or relocation.

Practical Engineering will work to the applicable Standard to ensure your equipment meets industry WHS Regulations. Should our team identify design flaws that deem the equipment non-compliant, our design team can work with you to determine any remedial action needed to address any compliance issues.



CRANES AND HEAVY LIFTING - TESTING INSPECTION AND CERTIFICATION

Code Certification Via Testing:

- Australian Standards
- ISO Standards
- API Standards (American Petroleum Institute)



Safety is a top priority when using any lifting equipment.



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CRANE INSPECTIONS:

Our 10 and 25 year crane inspection service can be completed by a professional engineer (CPEng, RPEQ or NPER) in conjunction with a servicing workshop of your choosing or one recommended by Practical Engineering. We also provide third party design verification for registrable cranes.

NDT INSPECTIONS:

Practical Engineering can undertake internal Mag Particle & Eddie Current testing and can facilitate third party Radiography.

DRILLING RIG INSPECTIONS:

Practical Engineering offer a complete Fit for Purpose Operational Inspection of Drill Rigs across Australia.

HYDROSTATIC TESTING:

Practical Engineering can undertake hydro-testing (mobile if required) of tanks, pressure vessels, separators, accumulators and pipework up to a pressure rating of 15,000 psi.

CUSTOM BUILT TEST RIGS FOR ONE OFF PROJECT REQUIREMENTS:

All our testing projects are custom design and built projects whereby we fabricate a purpose built test rig to perform specialist testing.

TYPES OF ANALYSIS INCLUDE:

- Structure compliance
- Failure analysis
- Overall plant compliance
- Mast modification and repairs
- Wind loading
- Marine reduction factors

