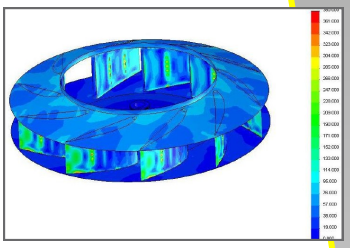
EL ES DE ENGINEERING
- Adaptive Engineering Solutions -

ENGINEERING & DRAFTING

EL ES DE Engineering offers a wide range of advanced engineering services. Our qualified engineers perform a host of design and drafting operations, specialising in:

- Detailed engineering design and validation
- Finite Element Analysis
- Consulting on design improvements and certification of existing designs
- Experience in working with small and large projects



Design work is done to Australian or International standards where applicable. Solidworks 3D CAD software is used for all design work.

Analysis

Our Engineers have considerable experience performing Finite Element Analysis (FEA) on mechanical equipment. We are able to perform:

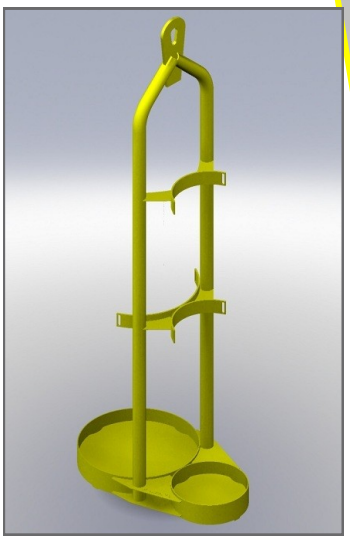
- Static Stress analysis to determine failure modes under applied loads
- Buckling analysis of columns
- Frequency analysis to determine natural frequencies and mode shapes of rotating assemblies or structures subject to vibration
- Thermal analysis of structures subject to high thermal gradients
- Optimisation of structures to minimise material usage and mass

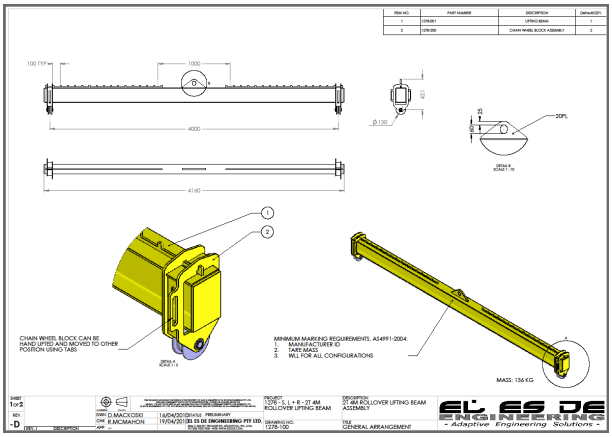
Solidworks Simulation Professional software is used for FEA studies.

Consulting

EL ES DE Engineering provides engineering consulting services specialising in:

- Design For Manufacture (DFM) consulting to assist engineering teams to reach designs which are able to be constructed given the available materials, time and budget.
- Welding Engineering consulting to assist engineers in specifying suitable welding requirements for their designs.





Contact us for further details of our capabilities and services.

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