

HILA ENGINEERING

www.hila-engineering.com.au

Mechanical / Structural Engineering, FEA & Stress Analysis, and CAD & Shop Drawings
Engineering Services to Mining, Construction, Marine and Energy Sector

Capability Statement:

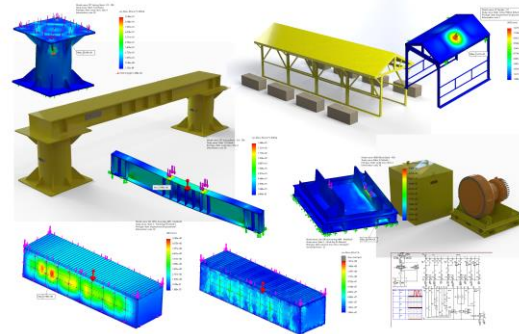
In HILA Engineering, we are a team of **chartered engineers** with many years of industrial experience in Mining and Construction, Marine and Energy sectors. Our professional team provides innovative engineering solutions across a broad range of services including:

- Mechanical Engineering
- Structural Engineering
- Engineering Design, Verification, Certification
- 2D/3D CAD & Drafting
- Prototyping & Fabrication Services



Engineering Design and Certification

- Machinery, Mechanical system – AS3990;
- Structural - AS4100
- Access Platform, Walkway, Stairway, Handrail, Ladders – AS1657
- Earthmoving Machinery ROPS, FOPS, TOPS, & OPS certification to ISO 3471, ISO 12117-1, ISO 12117-2, ISO 3449
- Earthmoving Machinery Access System - AS 5327
- Mining Application Transport Frame & Lifting Frame - AS 1418, AS 3990
- Material Handling and Lifting Equipment – AS2550 – AS1418
- Pressure Vessel and Accumulators – AS1210



Engineering Design Verification & FEA:

HILA Engineering provides Engineering Analysis & Simulation in the following areas:

- Stress analysis (Static / Dynamic Loading)
- Impact analysis
- Buckling Analysis
- Mechanism motion analysis
- Dynamics & Vibration analysis
- Hydraulic System Simulation
- Control Logic Simulation

CAD - Shop Drawings – Fabrication

HILA Engineering integrates the latest engineering and project management technologies and tools to provide advanced engineering solutions. Our parametric 3D-CAD capabilities enable the full virtualization of your project prior to the production of any fabrication drawings.

Operating from Perth, Western Australia, we are specialized in the engineering of processing plants and plant equipment, such as pressure vessels, storage tanks, silos, bins, process buildings, Material handling, Lifting & Transport frames, conveyors, vibrating screens, etc

