

# TRAINING AND EDUCATION

## What we do

SIE are specialist Structural Engineers providing services to the mining, ports and heavy industrial infrastructure sector. We use our structural knowledge and experience to provide our clients with superior technical and business orientated outcomes.

SIE has developed structural training modules for site personnel, particularly non-structural engineers responsible for structures. These modules have been prepared to cover a wide variety of structural principles, including basic load paths, variability of loads and resistances, structural design methods, standards and legislation, review of structural failures and tips on how to interact with structural engineers and contractors fabricating and erecting structures. The modules are presented by experienced engineers and can be tailored to your site's requirements.:

- Understanding structural risks on mining infrastructure.
- Structural steelwork supply, installation and maintenance.
- Structural principles and rail mounted machines.

## Benefits to our Clients

Our clients benefit from our structured training programs by an increase in awareness and the ability to detect structural risks before they become significant.

Participants in the structural training gain an increased knowledge and awareness of:

- Load and resistance relationships, including terminology.
- Requirements for materials, bolting and welding
- Awareness of the relevant Australian standards and legislation.
- Understanding how to communicate and transfer critical information and requirements to their engineers and contractors.
- Recognising and being able to implement basic QA/QC requirements associated with fabrication and construction of structural components.
- Structural risks and the methods of detection, management and mitigation.

**When working with structures, use a specialist Structural Engineer**



**Use the contact details below to find out how SIE can assist your business**

## Contact Details

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