

STRUCTURAL CONDITION, MEASUREMENT AND RISK ASSESSMENT

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.

Competent and effective structural condition and risk assessment and requires a detailed knowledge of the design basis of structures, including loading and resistance parameters.

SIE use internally developed and customised structural risk assessment processes that establish the correct context when assessing structural risks. These processes can include:

- Visual inspection techniques coupled with the targeted use of non-destructive testing where appropriate.
- On-site initial risk assessments that can be performed by our Structural Engineers with the background knowledge to make rapid assessments.
- Where necessary, techniques such as weighing, strain measurement, vibration and dynamic measurement etc.

When working with structures, use a specialist Structural Engineer



Benefits to our Clients

Our clients benefit from our structured approach to condition and risk assessment by receiving clear, concise and targeted information that allows an understanding of the criteria used for condition assessment, the risks the current condition may pose and actions necessary for risk mitigation.

Through our customised approach to structural risk assessment, we provide the following benefits to our Clients:

- Knowledge and participation in setting the design criteria and/or risk assessment criteria for a project or structure.
- Knowing that the condition assessment of a structure will be based against the standard of compliance for structural elements as established by relevant standards and legislation.
- Using the right technique of condition assessment at the right time to obtain the key information necessary.
- Efficiently communicating the key condition and risk issues arising from condition discovery via clear and concise reports and direct verbal communications.

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

Contact Details

Perth

Suite 17, 189 St Georges
Terrace Perth WA 6000
Ph 08 9316 9400

Brisbane

Unit 4, 50 Northlink Place
Virginia Qld 4014
Ph 07 3256 8333

Newcastle

2 Dick Street
Newcastle West NSW 2302
Ph 02 4911 7637