

# FAILURE INVESTIGATION EXPERT WITNESS FORENSIC ENGINEERING

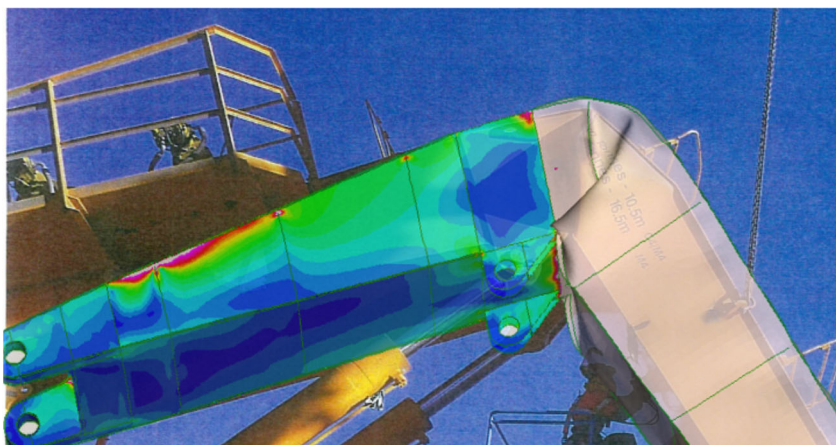
## What we do

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.

Investigating structural failures requires a detailed knowledge of materials, structural mechanics, design and failure theory and a structured and disciplined approach to root cause determination. SIE has assisted clients with various failure circumstances including:

- Prosecution expert witness investigation, analyses and reporting for a crane structural failure.
- Technical investigation, detailed analyses and advice in relation to a complex crane toppling event, under legal privilege.
- Review, investigation and determination of root causes of numerous fatigue cracking and fracture failure circumstances.
- Investigation and assistance with recovery operations of various partial structural failures, including temporary make safe arrangements.

**When working with structures, use a**



## Benefits to our Clients

Our clients benefit from our extensive and specialised experience in structural design, analysis, assessment, risk and mitigation to complement our structured approach to failure investigation.

With extensive site experience and by using contemporary and effective tools such structural analysis simulation software coupled with strong fundamental knowledge of behavior, we provide the following benefits to our clients:

- Rapid response and advice in circumstances of immediate incident response and make safe periods, including site and data security/protection/collection.
- A structured and staged approach to the data collection, analysis and determination of the structural root causes of incidents.
- Use of our detailed structural engineering experience that allows simple explanation of the causes and contributors to structural incidents and failures.
- Clear, concise and tailored reports written for the relevant audience whether they are legal, technical or management personnel.

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

## Contact Details

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