



InterSafe
Protecting People

Capability Statement

Incident Investigation



Our Business

InterSafe is an Australian company specialising in the design, implementation and evaluation of all aspects of safety management systems on an International scale.

Our Vision

Partnership with stakeholders will produce workplaces free from permanent personal damage.

Our Approach

We engage a multi-factorial, multi-disciplinary approach based on the scientific method of hypothesis forming and testing, modelling, and taxonomic analysis.

We engage ergonomic models for understanding incidents which focus on effective controls for the future not blame for the past.

We engage a damaging energy approach to understanding the mechanism and control of damage to people, property or production.

We engage an objective thinking approach to safety in preference to a subjective feeling approach. We promote the use of terminology which reinforces the thinking approach.

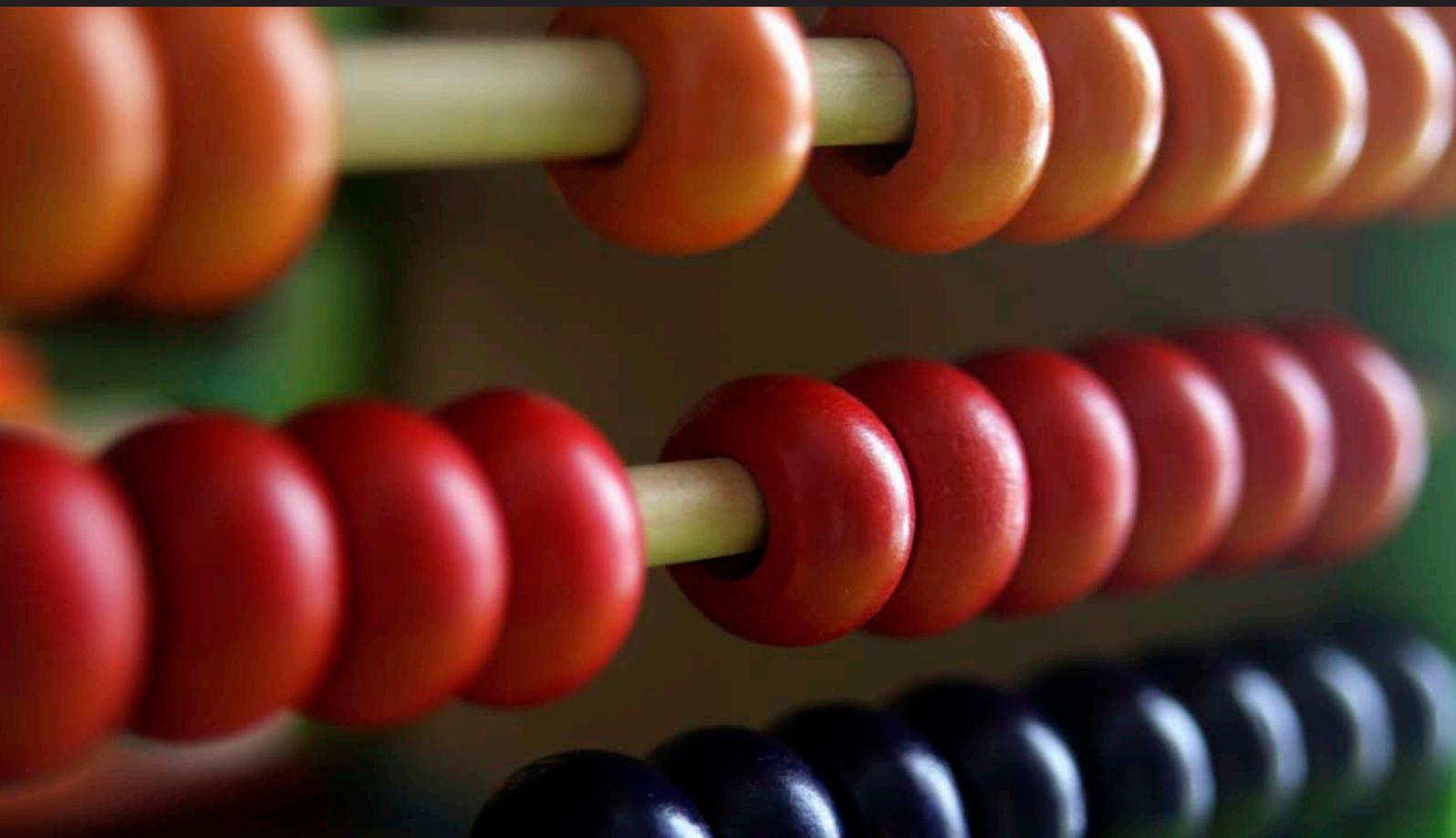
We engage our own comprehensive Occupational Health & Safety Management System which encompasses our expertise and presents a best practice approach to the management of safety. The system includes extensive design and audit criteria.

Our Mission

We will achieve our Vision by partnering with stakeholders to provide safer workplace solutions built on better knowledge, understanding and engineering skills.

Our Core Values

While working to achieve our Vision we will treat all with whom we deal, internally and externally to our Business, with Love, Trust, Courage, Honesty, Respect and Fairness.



Our History

InterSafe was formed in 1996 by Ken King and Roger Kahler. At that time, Ken and Roger already had their own companies with extensive experience in consulting in the engineering, ergonomics and safety arenas and in providing expert opinion and evidence.

Justin O'Sullivan (1996), Gareth Shepherd (1996), Brendan McDougall (1997), Justin Ludcke (2001) and Phillip Byard (2002) joined the consulting team at various stages of the growth of the business.

In 2003 Ken left the business due to ill health and Roger took over as Principal Engineering Consultant and Director.

Justin Ludcke took over as General Manager in 2010. The firm currently employs 10 full-time consultants and 6 support staff.

Our Strategy

To achieve our vision we work in three main areas:

Consulting Services

Consulting services provide our clients with specialist safety advice in all areas of health and safety management including systems & task design, management, and leadership.

Training Services

Training services transfer to our clients the knowledge, skills, information and concepts of safety management by our qualified and experienced engineers in a formal setting and generally with a group of people.

Litigation Services

Litigation services provide our clients in the legal arena with expert opinion on matters of safety management for the purposes of enforcing a legal right. Litigation services provide InterSafe with an exposure to a large number of incidents and develop fundamental understanding of incident phenomena and control.

Our Resources

Our people are our most treasured resource. We build an environment where safety, teamwork, support, encouragement and sharing of success are key factors.

We also have:

- An extensive library of over 20,000 safety related entries from across Australia and the world. This library is being added to regularly.
- An extensive electronic file management system.
- A range of specialised testing equipment.



Our Experience

We have more than 70 combined years of successful involvement in safety, ergonomics and forensic consulting.

We have developed an in-depth understanding of potentially damaging energies, the accident phenomenon, and the ability to predict and control personal and property damage.

We have investigated and analysed in excess of 10,000 accidents. We have audited systems during design and production. We have developed successful safety management strategies.

We have researched and reviewed worldwide technical and epidemiological data. We have prepared research papers for presentation both nationally and internationally.





Our Consulting Services

We provide consulting services in a range of areas, including:

- **OH&S Management System Design, Enhancement or Audit**

We are able to assist our clients in implementing and reviewing all aspects of a best practice OH&S Management System.

- **Site Safety Audits**

We are able to audit a site and provide a clear and concise High Risk Safety Management Plan. This audit often includes a visual inspection and interviewing of site personnel through a process called Focused Recall™ to identify current risks not adequately managed.

We are able to audit specific tasks and provide a clear and concise set of recommendations to control risks associated with the task. This includes, but is not limited to manual tasks, ergonomic issues, working at heights, management of vehicles, slip resistance, transport vehicle load restraint, mobile and fixed plant access systems.

- **Managing Behavioural Controls**

InterSafe has developed the processes of Critical Behaviour Assessment™ and Collective Insights™ to assist a workforce team to identify, discuss and change behaviours associated with managing key risks at work. These behaviours can be associated with leadership or task activities.

- **Investigating Incidents**

InterSafe has investigated over 10,000 serious incidents. We use the Essential Factors™ and Analysis Reference Tree-Trunk™ (ART-T™) ergonomic models for incident investigation, as part of the 8Steps™ of Effective Incident Investigation.



Our Consulting Costs

Our fee schedule for consulting work is guided by industry standard. The following prices are valid from 1 July 2019 to 30 June 2020.

- General Consulting \$2,500 / day (excluding GST)
- Specialised Consulting \$3,200 / day (excluding GST)
- Secretarial Support \$65 / hour (excluding GST)

All other costs are charged as incurred (e.g. travel, accommodation, printing, stationery, etc.).



8Steps™
OF EFFECTIVE INCIDENT
INVESTIGATION

Our Incident Investigation Services

Purpose

InterSafe can provide incident investigation services for the purposes of:

- Understanding the incident and implementing effective controls for the future.
- Providing supporting information for legal purposes in relation to:
 - Criminal proceedings;
 - Breach of statutory duty.

Role

InterSafe can:

- Conduct a third party independent investigation and provide a detailed incident report including a comprehensive description, analysis and recommendations for effective control.
- Facilitate a site team to investigate an incident within the client brief.
- Support a site investigation by providing expert support and guidance. This support can be provided onsite or from a distance (i.e. telephone, email, etc.).

Timing

InterSafe can respond quickly to a request for an investigation usually arriving onsite within 24 hours pending travel restrictions.

Pre and Post Incident Analysis

InterSafe can investigate all aspects of incidents including the recovery phase of the incident.

Process

InterSafe has developed the 8Steps™ approach to assist incident investigation in identifying effective recommendations or actions to prevent or reduce the extent of future damage.

InterSafe has used this 8Steps™ approach extensively in leading or participating in major incident investigations worldwide.



Scope

InterSafe can investigate incidents of any consequence or magnitude. Incidents we have investigated include but are not limited to the following:

- Crane accidents - rollovers, falls into ocean, powerline strikes
- Heavy vehicle accidents – all types
- Light vehicle accidents – all types
- Falls of objects – all types
- Falls of people – all types
- Manual handling – all types
- Machinery accidents

The industries we service include:

- Public Sector accidents
- Health industry
- Manufacturing industry
- Maritime industry
- Mining industry
- Construction industry
- Agricultural industry



Scope of Mining Incident Investigation

InterSafe can investigate incidents of any consequence or magnitude. Mining incidents we have investigated include but are not limited to the following:

- Longwall collapses
- Frictional ignition on longwalls
- Dragline structural collapses
- Crane accidents – rollovers, falls into ocean, powerline strikes
- Heavy vehicle accidents – all types
- Light vehicle accidents – all types
- Falls of objects – all types
- Falls of people – all types
- Manual handling – all types
- Vibration, jolt and jar

Our Clients

Our clients are the purpose of our work. We have worked with many national and international organisations from a range of industries, including the mining industry.

Our mining clients include:

- Anglo Coal – Brisbane, Moranbah North, Moura
- Ashanti Goldfields – Tanzania
- Australian Coal Association
- Australian Magnesium Corporation
- BHP – Olympic Dam Expansion
- BMA – Blackwater, Goonyella, Moura
- Dalrymple Bay Coal Terminal
- Donaldson Coal Foxleigh Mining
- Leighton Contractors – HWE, Peak Downs, Saraji, Cockatoo Island
- Lendlease
- Newcrest – Cadia Hill Gold Mine
- Newmont Goldcorp
- Normandy Mining
- Port Waratah Coal Services
- Qld Department of Mines and Energy
- Rio Tinto – Iron Ore (10 sites), Minerals (5 sites), Coal (5 sites), Aluminium, Expansion Projects
- View Resources
- Xstrata – Alliance Colliery, Bowen, Ernest Henry, Minera Alumbra, Newlands, Oaky Creek, Xstrata Coal

Our Consultants

Our current full time consultants are:

- **Dr Justin Ludcke** PhD, BE (Medical)(Hons), Adv Dip OHS, MIEAust, CPEng, NER, APEC Engineer, IntPE(AUS), MHFESA
- **Roger Kahler** BE (Mech Hons), RPEQ, MISFP, MSIA, MESANZ
- **Adam Dargusch** BE (Mech), AdvDip OHS
- **Brendan McDougall** BE (Mech Hons)
- **Scott Boyd** BE (Mech Hons), MIEAust
- **Ricky Blom** ME, BE (Mech Hons), AdvDip OHS, MIEAust
- **Marek Doiron** BE (Mech), MIEAust
- **Nick Pierce** BE (Mech Hons), MIEAust, CPEng, NER, RPEQ
- **Nate Martin** BE (Mech Hons), BBus, MIEAust
- **Gordon Shears** BE (Mech Hons)

Curricula Vitae are available on request.

Consultant profiles are available from our website.



Next Steps

If you would like to discuss our services in further detail or how InterSafe can assist you, please contact one of our team on:

+61 7 3895 8111 or
enquiries@intersafe.com.au





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InterSafe ABN 53 071 971 376

Unit 1, 5 Henry Street, [PO Box 3300]
Loganholme, Qld 4129 Australia

Telephone: +61 7 3895 8111

enquiries@intersafe.com.au
www.intersafe.com.au