



InterSafe

Energy Concepts Training Course

An Understanding of How People are Permanently Damaged

This is a one day course that introduces participants to the size and nature of the injury problem in Australia. It introduces classification systems that clearly assist people to identify the potential for serious injury within their work tasks. It also demonstrates that there are only a few major sources for most serious personal damage. The course introduces participants to issues associated with human and gravitational damaging energies in particular.

InterSafe classifies damage to people as;

- Class 1 – **Permanent**
- Class 2 – **Temporary**
- Class 3 - **Minor**

This classification system enables businesses to clearly identify the 10% of incidents that produce more than 80% of the cost of injury. It also shows that 90% of incidents which confront businesses at a higher frequency will only produce 20% of the costs and have no significant long term impact on either the business or injured person. This assists organisations to effectively focus available safety resources.

InterSafe uses the above classification to analyse National data sets and show that the likelihood of non-fatal permanent damage in the workplace is increasing over time.

The likelihood of fatality or non-fatal permanent damage is such that most organisations will struggle to develop an internal database that successfully predicts future exposures. And yet the risk of fatality or permanent injury is very present, real, and increasing. Data is critical to identify actual risk rather than perceived risk based on skills and/or personal experience. This assists organisations to focus attention by workers into critical issues when conducting Job Safety Analysis or Hazard Assessments for tasks.

InterSafe classifies damaging incidents by the nature of the damaging energy. Eg. Human, gravitational, vehicular, object, machine, electrical.

An analysis of the damaging energies predominant in fatality and non-fatal permanent damage data shows that there are only 3 or 4 energies that are producing in excess of 80% of the damage in all industry sectors nationally. This assists organisations to further focus available safety resources for maximum impact. The 2 energies producing the majority of non-fatal permanent damage in the work place is human and gravitational. There are basic issues that must be understood by people if these energies are to be effectively managed.

Energy Concepts sets a Clear Focus of Safety Resources for Maximum Impact

Contact **Roger Kahler** or **Phillip Byard** on **07 3895 8111** for more details.

Course Outline

Energy Concepts Training Course

1. Introduction
2. **Classification of Personal Damage**
 - a. Class 1 – Permanent
 - b. Class 2 – Temporary
 - c. Class 3 – Minor
3. **The Size and Nature of the Personal Damage Problem in Australia**
 - a. Cost
 - b. Number and types of incidents
4. **Damage as a consequence of an energy exchange**
 - a. Damaging Energies Classification
 - b. Dose and examples
 - i. Type A
 - ii. Type B
 - iii. Type C
5. **Risk of personal damage**
 - a. General industry and industry specific
6. **Taxonomy and Dominant damaging energies in non fatal permanent damage**
 - a. General industry and industry specific
 - b. Human
 - c. Gravitational
 - d. Vehicle
7. **Sensitisation to Human Energy**
 - a. Structure of the Back
 - b. Difference between damage and pain
 - c. Assessment of manual handling task
 - d. Confronting the mythologies of traditional manual handling training
 - e. Scales of Perceived Exertion
8. **Sensitisation to Gravitational Energy**
 - a. Falls to the same level – slip
 - b. Falls to the same level – trip
 - c. Falls ascending / descending – stairs
 - d. Falls ascending / descending – mobile plant
 - e. Falls from ladders, scaffolding etc.
9. **Conclusion and Evaluation**

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InterSafe

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