

‘Hazard / Risk Studies in Design - Leadership’ Training Course

Identifying Potential Damaging Energies during Design

The Design phase (conceptual or detail) of a product / plant / facility presents a unique opportunity to identify and mitigate potential damage for down-stream users (constructors, operators, maintainers). The cost of retrofitting or changing design features during operation is 3 – 10 times the cost of identifying the preferred design features and constructing to that standard at the outset. The role of the Hazard / Risk Study Leader is crucial in ensuring the effective use of time / resources during the design review process.

Many organisations have adopted the scientifically based “Damaging Energy” framework for identifying Hazards in their workplace. This framework is promoted and used by InterSafe in design standards, design reviews, workplace inspections, audits and incident investigations. The Damaging Energy Framework forms the basis of a powerful predictor for future damage during the design review process.

Course Objectives:

This course is designed to assist participants to;

1. Understand the Pareto Principle (80/20) and how it applies to design.
2. Understand the Damaging Energies framework and appreciate those Damaging Energies which are most likely to produce fatal or permanent damage in the future construction / use / maintenance of their product / plant / facility from Industry Data (Taxonomies).
3. Evaluate the effectiveness of existing and proposed controls for Human, Gravitational and Vehicle Energies by reference to Haddon’s Energy Management Strategies.
4. Become familiar with Risk / Hazard Study techniques – ‘What If’, ‘Checklist’, ‘HAZOP’, ‘FMEA’.
5. Lead a Risk / Hazard Study during design using a Damaging Energy Check List approach.

Course Detail:

This 2 day course is normally delivered on-site using client training facilities for 5 - 6 persons who are required to lead a Hazard / Risk Study (Potential for Damage Study) during the design phase.

The course can be reduced to 1 day if participants have participated in the 2 Day ‘Hazard / Risk Studies in Design – Designers’ course.

‘Hazard / Risk Studies in Design – Leadership’ provides a clear process for leaders who run safety & health reviews during design.

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

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