



3 Day HAZAN Training Course

Training Information

Participants: maximum
15

*Certification of
Attendance*

Duration: 3 Days

Cost: \$2,585 incl.
GST per person

Venue: TBA (depends
on which State course
is delivered in)

Over 60 Years of Hazard Analysis Knowledge to Share with You

Hazard Analysis (**HAZAN**) combines, under one umbrella, some of the major techniques used in developing the confidence of the Regulatory Authorities, the public and senior management in the safety of a process operation.

These techniques enable skilled staff to confidently analyse and evaluate hazards and risks, make informed decisions as to what remedial action is required, and assess the impact of actions taken.

It is important that staff in production, maintenance, safety and engineering and those managers that are directly responsible for such staff should understand the application of the techniques.

Throughout the 3 Day **HAZAN** course, over 60 years of process safety knowledge is shared with the course participants from two highly respected and experienced course presenters, i.e. Karin Nilsson from Planager and Dean Shewring from Pinnacle Risk Management.

Each presenter frequently uses HAZAN techniques for major developments throughout Australia and have presented training courses since the 1990's.

All programs are facilitated using a mixture of presentations, class discussion, practical exercises and case studies. The experience and background of the presenters ensures that the course is directly relevant to all participants. The course is structured from a **practical industrial perspective**.

Our presenters maintain close association with industry, government and universities which ensures that our course reflects the latest in **HAZAN** methodologies.

For example, the course reflects much of the intent for hazard analysis with respect to the Major Hazard Facility (MHF) legislation and various unique processing and design examples where **HAZAN** techniques have been successfully applied.

The course is run either in-house or via a public venue. If requested, the course can be **customised** to meet your demands.

Public Course Schedule

See website: <https://www.planager.com.au/ssl/register.asp>

Information

| Hazard Analysis (HAZAN) | |
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| Aim: | To provide an appreciation of the philosophy and practical application of the techniques used in the assessment and management of process safety with particular reference to potentially hazardous plants. |
| Who should attend: | Tertiary qualified staff, generally in production, safety or engineering fields, and those managers directly responsible for the work of such staff. Previous exposure to Hazard Analysis, though beneficial, is not essential. |
| How will they benefit: | Participants will gain sufficient understanding of hazard analysis and risk assessment techniques to: carry out simple hazard analysis studies adequately, recognise the limits to that understanding, and appreciate the standards required to conduct various process safety analysis techniques. |
| Content and Structure: | <ul style="list-style-type: none"> • Introduction to process safety management • Introduction to hazard identification techniques • Acceptable risk targets • Types of potentially hazardous incidents, e.g. fires, BLEVEs, explosions and toxic releases • Assessment of the severity of incidents • Assessment of the frequency of incidents including Fault Tree Analysis (FTA) and Event Tree Analysis (ETA) • Risk analysis techniques, i.e. matrices, qualitative, semi-quantitative and Quantitative Risk Analysis (QRA) • Bow Tie diagrams • Layers of Protection Analysis (LOPA) • Separation distances • Management of risk and reliability in existing and new plants • Safety management systems • Management of plant modifications • Human factors |

We Look Forward to Assisting You with Your Training Program.

For further information please contact the following people or book online:

Sydney: Karin Nilsson Ph +61 (02) 9427 7851 karin@planager.com.au
 Brisbane: Dean Shewring Ph +61 (02) 9913 7284 deanshewring@optusnet.com.au
 online booking: <https://www.planager.com.au/ssl/register.asp>