
COURSE TITLE: QUANTITATIVE RISK ASSESSMENT (QRA)

TRAINING PROVIDER: SYNERGENOG

COURSE OBJECTIVE

The course will examine the five (5) critical aspects:

- 1) Hazard Identification (HAZID);
- 2) Fire and Explosion Assessment (Consequence Modelling & Frequency Assessment);
- 3) Non-Hydrocarbon Hazard Analysis (NHHA);
- 4) Quantitative Risk Assessment; and
- 5) Risk Reduction through ALARP principle.

By the end of the course, learners will understand:

- 1) Understand the importance of conducting QRA;
- 2) Understand the methodology of conducting QRA;
- 3) Outline the use and application of QRA in various industries;
- 4) Understand what is Hazard and Major Accident Hazard;
- 5) Overview of techniques in performing Hazard Identification and the importance;
- 6) Understand techniques in modelling different types of hazard scenarios and understand how these scenarios impact personnel and asset risk;
- 7) Understand how Event Tree is developed;
- 8) Understand risk assessment of non-hydrocarbon related such as ship collision, dropped objects, etc;
- 9) Understand how the fire and explosion, and non-hydrocarbon hazards results are translated into personnel risk;
- 10) Able to interpret the results from a QRA and how to evaluate the key risk drivers to determine means to further reduce the risks; and
- 11) Understand the concept of ALARP and how to achieve ALARP.

For more information, you may visit our training platform at <https://academy.synergenog.com/>.

KEY COURSE INFORMATION

- Course Fee: \$750.00
- Training Duration: 2-days
- Mode of Training: Blended
- Language of Delivery: English
- Level: Basic - Intermediate
- Venue of Training: Regus (Level 8, PGGMB Building)/ Online

ENTRY REQUIREMENT

All level with pre-requisition to be able to communicate and read English

CERTIFICATION

Certificate of Completion