

Oil and Gas and Process Industry Risk Studies

Purpose

The course provides an introduction to and understanding of the various types of specialist risk study which may be carried out for an oil and gas or process industry facility or operation. It includes QRA (which is covered in more detail in a separate course), Escape, Evacuation and Rescue Analysis (EERA), TR Impairment Assessment (TRIA), Emergency Systems Survivability Analysis (ESSA), dropped object analysis, etc.

At the end of the course you will be able to

1. Critically review the use of specialist risk studies in the oil, gas and process industries
2. Apply specialist risk studies to simple oil, gas and process industry operations to analyse the risks to personnel
3. Compare study results with criteria and use to devise and evaluate potential risk reduction measures

Outline content

- Introduction to risk studies
- Fire and Explosion Risk Assessment (FERA)
- Smoke and gas dispersion
- Escape, Evacuation and Rescue Analysis (EERA)
- TR Impairment Assessment (TRIA)
- Occupied Building Risk Assessment (OBRA)
- Dropped object analysis
- Emergency Systems Survivability Analysis (ESSA)
- Ship collision analysis
- Transportation risk study

Recommended prior study

Education, skills or experience equivalent to undergraduate level

Risktec modules: *Principles of Risk Management; Oil and Gas and Process Industry QRA*

Who should attend

Managers, engineers, operators, HSE advisors and risk management practitioners.

Delivery Methods

Face-to-face, Distance Learning, or Blended Learning

Levels of Assessment

- Attendance only
- Assessment by Risktec
- Risktec Professional Qualifications
- Postgraduate Qualifications: PgCert, PgDip and MSc

Assessment details

Postgraduate programmes: activities and assignment (total about 80 hours)

RPQ programmes: assignment (about 15 hours)

Module details

Level	Masters/RPQ
Duration	2 days (F2F), 8 weeks (Postgraduate or RPQ DL)

Price

For prices and further information, or to book a course, please contact **Vicky Billingham** at training@risktec.tuv.com

Contact

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