

Offshore Wind Farm Safety Assurance and Justification

Purpose

The aim of this course is to introduce the concept of HSE risk management within the offshore wind industry, providing participants with a level of understanding of risk management principles commensurate with the magnitude of risks associated with this industry. It introduces practical tools and techniques to ensure offshore wind projects are conceived and executed safely and uses lessons learned from other more mature industries to establish an outline framework for a robust safety justification for an offshore wind farm.

At the end of the course you will be able to

1. Apply appropriate risk assessment tools to situations relevant to the offshore wind industry
2. Apply the ALARP concept and conduct an ALARP assessment to an appropriate level of detail
3. Define the role and need for a "Safety Case" in the offshore wind industry

Outline content

Wind industry sources of risk
Relevant regulations
Risk Management through the project lifecycle
Overview of risk assessment tools and techniques

- Hazard Identification
- Risk Assessment
- QRA
- Risk Reduction & ALARP
- Asset Integrity Management
- Safety Cases

Recommended prior study

Education, skills or experience equivalent to undergraduate level.

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
- Postgraduate Qualifications: PgCert, PgDip and MSC

Assessment details

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

Module details

Level: Masters
Duration: 2 days (F2F), or
8 weeks (Postgraduate 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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