

# Risk Reduction and ALARP

## Purpose

ALARP (As Low As Reasonably Practicable) is a commonly used but often misunderstood concept. The purpose of this module is to enable students to understand the hierarchy of risk reduction measures and the options for risk reduction in the project lifecycle. Students will be introduced to the concept of ALARP, practise applying it and learn how to demonstrate that risk has been reduced to ALARP levels.

## At the end of the course you will be able to

1. Identify different options available for risk reduction
2. Decide when risk reduction measures can best be used
3. Describe the concepts of "tolerability of risk" and "As Low As Reasonably Practicable (ALARP)"
4. Apply the ALARP concept and conduct an ALARP assessment to an appropriate level of detail

## Outline content

- Risk management summary
- Hierarchy of risk reduction measures
- Risk reduction through the project lifecycle
- The ALARP concept
- Demonstrating ALARP
- Qualitative and semi-quantitative approaches
- Cost Benefit Analysis (CBA)
- Societal risk

## Recommended prior study

Education, skills or experience equivalent to undergraduate level

Risktec module: *Principles of Risk Management*

## Who should attend

Project and operational managers, engineers and HSE professionals.

## Delivery Methods

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

## Levels of Assessment

- Attendance only
- Assessment by Risktec
- Risktec Professional Qualifications
- Postgraduate Qualifications: CPD, 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)
CPD Credits:	10 (postgraduate programmes)

## Price

For prices and further information, or to book a course, please contact **Vicky Billingham** at [training@risktec.tuv.com](mailto:training@risktec.tuv.com)

## Contact

Risktec Solutions Ltd  
Wilderspool Park  
Greenall's Avenue  
Warrington  
WA4 6HL  
United Kingdom

Tel +44 1925 611 200  
[training@risktec.tuv.com](mailto:training@risktec.tuv.com)  
[risktec.tuv.com](http://risktec.tuv.com)