

2019 Technical Safety Program



Risktec Solutions invites you to attend our 2019 Technical Safety Program. Courses will be held at our office at Liwa Heights, Jumeirah Lakes Towers, Dubai.

The program offers a range of topics, relevant to the Oil & Gas industry, which can be studied as standalone modules or as part of a Risktec Professional Qualification.

Course title	Date
Bowtie Risk Management Bowtie method; Critical elements & tasks; Barrier effectiveness & ALARP; Practical uses of bowties; Facilitating workshops; BowTieXP software.	21 st - 22 nd Jan
SECEs & Performance Standards Engineered Risk Control Systems (ERCSs); Identification of ERCSs and criticality ranking; Performance standards; Performance assurance and verification; Performance monitoring; Asset integrity throughout facility lifecycle.	18 th - 19 th Feb
RAM (Reliability, Availability & Maintainability) RAM planning; RAM assessment methods; Critical and life-limited items; Maintainability demonstrations; Reliability Centred Maintenance (RCM); Methods of improving reliability.	18 th - 19 th March
Functional Safety (inc. SIL) The safety lifecycle (IEC 61508 view); SIL selection (setting targets and requirements); Safety requirements specification development; LOPA; SIL and the design process; Beyond design lifecycle phases; Compliance demonstration.	15 th - 16 th April
Physical Effects Modelling (Gas, Toxics, Fire, Explosions) Source term release and discharge calculation; Dispersion analysis; Fires and explosions; Subsea releases/oil dispersion; Vulnerability of structures and equipment; Software tools.	17 th - 18 th Jun
QRA (Quantitative Risk Assessment) Hazard/scenario identification; Frequency assessment & event trees; Consequence modelling; Risk analysis, tolerability & sensitivity; Non-process hazards; Software for QRA.	9 th - 10 th Sept
Technical Safety Studies (inc. FERA, EERA, ESSA, Dropped Object) Fire and explosion risk assessment (FERA); Escape, Evacuation & Rescue Analysis (EERA); Occupied Building Risk Assessment (OBRA); Dropped objects; Ship collision.	7 th - 8 th Oct
Human Factors in Design & Operations Human factors in design; Information processing & operations; Human error identification; Human factors integration.	4 th - 5 th Nov
Safety/HSE Cases Historical drivers, legal & industry requirements; Safety/HSE case by project phase; Safety/HSE Case structure; Bridging documents & supporting studies; Safety/HSE case maintenance; Roll-out and implementation.	9 th - 10 th Dec

Program Information

Through the 2019 Technical Safety Program, Risktec is offering the opportunity for you select up to nine of our hand-picked, two day courses which are delivered face-to-face by our industry experts.

The courses have been developed such that the content and learning outcomes are at the same level as our postgraduate modules approved by IChemE in support of the knowledge and understanding requirements of their Professional Process Safety Engineer registration.

Each course comprises around 100-150 slides, several videos and, most importantly, activities designed to enhance the knowledge and practical skills of participants. Each course provides a hands-on learning experience, with emphasis on the activities. Many of the slides provide backup content for reference purposes.

The Risktec trainers are active practitioners in the process sectors. They have extensive training experience and utilise accelerated learning techniques. The Risktec trainers draw heavily on their practical experience when delivering this training program and provide examples of experiences in the real world.

If you choose to undertake a Risktec Professional Qualification, you will be given the assignment question to take away with you at the end of the second day and will be provided with a deadline for submission of your assignment to Risktec. Upon successful completion of all assignments, you will receive your Risktec Professional Qualification.

Assessment

As standard, the courses are available without assessment but if you would like to achieve a qualification, you can choose from one of the following Risktec Professional Qualifications:

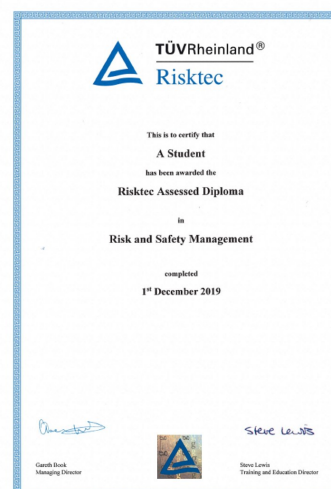
The **Risktec Assessed Certificate (RAC)** consists of your choice of 4 courses. Following each course you will be required to complete a 1,000 word assignment. Upon successful completion of all 4 assignments you will be awarded a Risktec Assessed Certificate.

The **Risktec Assessed Diploma (RAD)** consists of your choice of 8 courses. Following each course you will be required to complete a 1,000 word assignment. Upon successful completion of all 8 assignments you will be awarded a Risktec Assessed Diploma (RAD).

Number of Modules	Price (USD) Attendance Only	Price (USD) Including Assessments	Qualification (if completing Assessments)
1	990		
4	3,750	4,275	RAC
8	7,125	8,100	RAD

Prices include training materials, refreshments and lunch.

Prices may be subject to VAT.



Register now

Email: training@risktec.tuv.com

Visit: risktec.tuv.com

Tel: +44 (0) 1925 611200

Registration Form: 2019 Technical Safety Program, Dubai

Course Location: Risktec Solutions, Office 3006, Liwa Heights, Jumeirah Lakes Towers, Dubai, UAE

Course Timings: 9am - 5pm each day.

Attendee Registration Details

First name:	_____	Surname:	_____
Company:	_____	Job Title:	_____
Address:	_____		
Postcode:	_____	Country:	_____
Phone:	_____	Mobile:	_____
Email:	_____		

Your data protection: The Risktec group will endeavour to process your personal data lawfully at all times and in accordance with international best practice, especially the European Union's General Data Protection Regulation (GDPR). For further details, please see our [Privacy Policy](#) on the Risktec website.

Courses

Please indicate which course(s) you would like to attend:

- | | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Bowtie Risk Management | 21 st - 22 nd January |
| <input type="checkbox"/> | SECEs & Performance Standards | 18 th - 19 th February |
| <input type="checkbox"/> | RAM (Reliability, Availability & Maintainability) | 18 th - 19 th March |
| <input type="checkbox"/> | Functional Safety (inc. SIL) | 15 th - 16 th April |
| <input type="checkbox"/> | Physical Effects Modelling (Gas, Toxics, Fire, Explosions) | 17 th - 18 th June |
| <input type="checkbox"/> | QRA (Quantitative Risk Assessment) | 9 th - 10 th September |
| <input type="checkbox"/> | Technical Safety Studies (inc. FERA, EERA, ESSA, Dropped Object) | 7 th - 8 th October |
| <input type="checkbox"/> | Human Factors in Design & Operations | 4 th - 5 th November |
| <input type="checkbox"/> | Safety / HSE Cases | 9 th - 10 th December |



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Risktec

Assessment Details

Would you like to apply for a Risktec Professional Qualification?

- Yes
 No

If yes, which qualification would you like to apply for?

- RAC (please ensure you have selected 4 modules)
 RAD (please ensure you have selected 8 modules)

Payment Details

Which person or organisation will pay your fees?

- Self
 Other

Payment method:

- Electronic funds transfer
 Credit card (only in GBP)

If other, please provide details of the person responsible for arranging your fees:

Currency:

Full Name: _____

- USD

Address: _____

- AED

- GBP (card only)

E-mail: _____

Payment deadline: 4 weeks prior to course start date.

The course will be confirmed 3 weeks before the published start date.

Cancellation Policy:

Once registration has been submitted and processed, no refund of monies is possible. Risktec Solutions reserves the right to cancel the course at any time. In such circumstances the monies paid to Risktec will be refunded. Please see Risktec's Training & Education Terms and Conditions for more details.

Registration:

Please complete the registration form and email it to training@risktec.tuv.com. You can register at any time throughout the year.

Registration Confirmation:

You will receive a preliminary confirmation via email upon receipt of this registration form.

Register now

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Visit: risktec.tuv.com

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