Maximise your effectiveness in HAZOP study teams

HAZOP Study for the Offshore Oil and Gas Industry
1–4 April 2014, Aberdeen, UK

HAZOP study is one of the most widely used hazard identification methods and has found applications in many aspects of the offshore industry. Many potential problems can be identified by the examination of new, modified or existing designs, procedures and operations using the systematic and structured approach of HAZOP. For maximum effectiveness a HAZOP study requires skilled leaders as well as experienced and committed team members.

This course presents well-established, integrated modules which are specifically tailored to the needs of the offshore oil and gas industries, to provide effective HAZOP training for both team leaders and team members. As well as presentations covering all the essential aspects of the method, there are workshops on HAZOP for continuous processes, sequential operations and computer-controlled plant. The relationship between HAZOP and other hazard identification (HAZID) methods and hazard studies is discussed.

Participants attending as team leaders must have experience of HAZOP. Team members may have little or no experience of HAZOP, although some background will be helpful.

Learning outcomes

Team leaders will learn:
■ how to be a good leader, emphasised by practice and reviews
■ how to manage HAZOP studies
■ the importance of pre-study preparation
■ how to work effectively with team members and the team secretary

Team members will learn:
■ how HAZOP study works
■ the role and responsibilities of a team member
■ how to become a valuable team member or recording HAZOP study is provided.

Who will benefit
■ experienced HAZOP team members who are moving on to team leadership
■ those who need to refresh and update their HAZOP experience
■ engineers and other technical personnel who are new to HAZOP study
■ those with safety and project management responsibilities

Course outline

Introduction and basis of HAZOP
■ the background to HAZOP and its detailed methodology, covering the main areas of application

Procedures, recording, batch HAZOP and computer-controlled processes
■ detailed coverage of essential aspects of the technique, covering both meetings and important applications; illustrated by workshops for all leaders and members

Making decisions
■ illustrated consideration of criteria; prioritisation of study actions. The underlying features of human behaviour with relevance to HAZOP study

Hazard studies 1–6
■ an overview and illustration of other hazard studies and hazard identification (HAZID) methods, including their relationship to HAZOP study

Special features

Over 50% of the course time is allocated to group work on realistic HAZOP case studies, giving team leaders and team members practice in their respective roles. Examples are drawn from the petrochemical and offshore oil and gas industries, and typical reports are also provided. Participants take part in discussion and analysis sessions to identify strengths, weaknesses and learning points from the case studies. A demonstration of computer software is needed.

A comprehensive course manual is included to be kept as a permanent reference and guide.

“The best course I have attended in 12 years in the oil industry.”

C Cowperthwaite, Expro UK
In-company training

If you have several colleagues interested in this course, why not consider running it in-house?
For a quote or to discuss your requirements contact courses@icheme.org

Venue

Hilton Treetops,
161 Springfield Road,
Aberdeen,
AB15 7AQ, UK

Tel: +44 (0)1224 313377
www.hilton.co.uk/aberdeen

Fees

IChemE member £1550 + VAT
Non-member £1725 + VAT

Discounts

Discounts are available to companies booking more than one place:
2 places – 5% discount
3 places – 10% discount
4 or more places – 15% discount
Multiple places must be booked at the same time to qualify.

How to book

Register online at www.icheme.org/hazopoil
Complete and return the registration form by email to ar@icheme.org or by fax to +44 (0)1788 560833

More details

Visit: www.icheme.org/hazopoil
Tel: +44 (0)1788 534431
Email: courses@icheme.org

Accommodation

Accommodation is not included in the delegate fee. If you need any help with booking a hotel, contact our agent, Trinity Conferences on +44 (0)1780 484050. Remember to quote IChemE when booking.

Course presenter

Phil Aspinall, principal consultant, Arcadis

Phil is a risk management consultant who provides process safety advice, support and training to businesses worldwide. He has produced guidance on HAZOP and hazard studies and delivered many training courses in these techniques. He is a skilled leader of HAZOP and other related hazard studies, and an experienced trainer, bringing the skills of an able facilitator to these and other group development

Speaker and tutor

Grainne Kelly, Clywd Associates

Grainne originally trained as a chemical engineer but has spent most of her working life as a health and safety professional, working for Courtaulds and then as a consultant and a trainer in both the manufacturing and service sectors. She is an experienced HAZOP leader and trainer and has also written articles on the subject for various publications.

Recommended pre-course reading

HAZOP: guide to best practice
Brian J Tyler, Frank Crawley and Malcolm L Preston, IChemE 2008. Order at www.icheme.org/shop or contact Book Sales on Tel: +44 (0)1788 534470

Please note

Participants with English as a second language should note that fluency in English is essential, in order to benefit from active involvement in the group studies.

Important – indicate whether you wish to register as a team member or a team leader on your registration form. Prior to the course you will be asked to provide details of your HAZOP experience, job description and industrial experience. Acceptance on to the course as a team leader will only be confirmed once this information has been considered. Participants registering as team members will also be asked for this information (for arranging the workshop study team).

www.icheme.org/hazopoil
Registration form

HAZOP Study for the Offshore Oil and Gas Industry

Complete this form and return it by email to ar@icheme.org or by fax to +44 (0) 1788 560833

I wish to book a place on HAZOP Study for the Offshore Oil and Gas Industry course on 1-4 April, Aberdeen, UK as a

☐ Team leader  ☐ Team member

I am a member of IChemE: ☐ Yes  ☐ No  membership number: .................................................................

Last name: .........................................................................................................................................................

First name: ..........................................................................................................................................................

Title (Dr/Mr/Miss/Ms/Mr/Prol/Eur Ing): ..........................................................................................................

Gender: ☐ Male  ☐ Female

Work details – company: ......................................................................................................................................

EC VAT registration number: ............................................................................................................................

Job title: ............................................................................................................................................................

Country: .................................................................................. Post/zip code: ..........................................................

Address: ............................................................................................................................................................

Town/city: ................................................................. County/state: ........................................................................

Direct telephone: .............................................................................................................................. Direct fax: ..............

Email (for pre-course correspondence): ........................................................................................................

Method of payment (payment must be received in full before the event date otherwise admission cannot be guaranteed)

☐ Cheque enclosed (made payable to Institution of Chemical Engineers).

Send to IChemE, accounts department, Davis Building, Railway Terrace, Rugby, Warwickshire, CV21 3HQ, UK

☐ Debit my credit/debit card: (payment in £ sterling only):

Cardholder name (as it appears on the card): ........................................................................................................

Billing address (if different from above): ............................................................................................................

Cardholder’s signature: ................................................................................................................................. Telephone number:

☐ Visa  ☐ Visa Debit  ☐ MasterCard  ☐ UK Maestro  ☐ Solo  ☐ AMEX

Card number: ................................................................. Expiry date: ..............................................................

Valid from date: ........................................................ Issue number: .........................................................

☐ Invoice my company quoting purchase order number: .................................................................

Please note that a registration cannot be processed unless a copy of your purchase order is received with your registration form. Your booking will be confirmed by IChemE on receipt of either: an official purchase order or cleared funds. By submitting this form you have agreed to our terms and conditions and cancellation policy. Terms and conditions are available at: www.icheme.org/terms

Cancellation policy

Cancellations received in writing 28 days prior to the event will be subject to an administration charge of 10% of the fees plus VAT. No refunds will be given for non-attendance or cancellations received less than 28 days prior to the event. Substitutions are welcomed at any time. We reserve the right to cancel or alter the programme.

IChemE’s VAT registration no is GB 661 5413 48

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IChemE offices in Kuala Lumpur, London, Melbourne, Rugby, Singapore and Wellington

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