

■ **Course title:**

How to conduct effective remote HAZOP studies

■ **Introduction:**

Traditional HAZOP has been saving future lives for 50+ years. During this time modern communication technology has been gradually, if reluctantly, adopted. COVID19 has put a booster rocket under this transition. However, wholly remote HAZOP will only succeed if the right approach and attitude is adopted.

This course will help you better understand the etiquette to enable optimum efficiency in your transition to remote HAZOP.

The course draws on references from the fertilizer industry as well as the wider High Hazard Processing sector to provide examples of best practice which will inform your ongoing journey to fully remote HAZOPs.

Duration 1 hour.

■ **Course outline:**

Lessons

1. HAZOP – Why, What, How?
2. COVID19 Disruption
3. Incremental Adoption of New Tools
4. Remote HAZOPs - The View from the Chair
5. Different Perspectives – A Scribe’s and Team Member’s view
6. Avoiding Perils of Remote HAZOP
7. Conclusions

Author(s) / Trainer(s):



Angus Keddie

Process Hazard Consultant

Angus Keddie has spent 35 years with industry leaders such as BP, KBR and Air Liquide. He has held high level Process Safety, Technical, Operations, Proposals and Training positions. Angus graduated with an Honours Degree in Chemical Engineering from Edinburgh University in 1986. He was subsequently awarded an MBA from Aston University in 1997. Furthermore, he was elected a Fellow of the Institute of Chemical Engineers in 2014.

Angus combines a strong technical background, proven management and facilitation credentials and robust communication skills. He has leveraged the use of these assets to achieve success in the industry posts he has held to date in his career. He has led over 100 Process Hazard Assessments, including HAZOP, SIL, LOPA, HAZID and SIMOPs for High Hazard Processing Industry Projects.

In 2011 he established AK Safety First, which subsequently became Process Safety Matters, to provide world class Process Safety facilitation and training. He has developed and presented HAZOP, HAZID and LOPA Training courses which have been delivered in person and remotely in the UK and internationally.

■ Learning outcomes:

By the end of this training course you will understand:

- when and why to apply a remote HAZOP approach
- best practice in remote HAZOP, informed by real industry examples and experience
- the perspective of different remote HAZOP participants
- how to facilitate and plan remote HAZOP workshops

■ Who will benefit:

Anyone with an experience of traditional HAZOP who is seeking to make a transition to its remote application. The course would particularly benefit management, engineering and operations/maintenance personnel with responsibility for managing hazards and implementing/sustaining risk control measures.

■ Course materials:

- Hand-out presentation slides in PDF format

■ Price:

€ 120

■ Discounts:

- 2 places – 10% discount
- 3 places – 15% discount
- 4 or more places – 20% discount.

■ In-company training:

This course is also available as an in-company course (face-to-face or online) where content can be customised to meet your organisation's specific needs and delivered on a date/location that suits your requirements.

[Contact us](#) for more information.

■ Training code: PSM01