

A UNIQUE EVENT CAPTURING AND DISTILLING DECADES OF PROCESS SAFETY EXPERIENCE FROM ACROSS EUROPE IN TWO THOUGHT-PROVOKING DAYS OF PRACTICAL PROCESS SAFETY KNOWLEDGE EXCHANGE.

- What went wrong? What do we do to prevent these incidents?
- Why should we study past incidents /near misses?
- How can we build an organisational memory?

8h30 - 9h15

KEYNOTE:

Future Trends in Process Safety

John Bresland (former Head of CSB)

Based on lessons learned over a 35-year career in the chemical industry, and 10 years as a Board member and Chairman of the United States Chemical Safety Board, Mr. Bresland presents his thoughts on the key factors for developing a world-class process safety program.

9h15 - 9h45

Maintaining and managing process safety competence in oil & gas industry

Dirk Roosendans (Head of Technological Risks - Total RC)

"When it comes to safety, a lot of focus is put on leadership, commitment and exemplarity. However, a key ingredient of process safety management is the availability of highly qualified professionals in that area. In this presentation, the principles of effective competence management are highlighted and its application to the main of process safety is explained. Challenges related to successful process safety management are discussed and some examples are given for illustration".

10h15 - 11h

'Professional Process Safety Engineer' registration: IChemE's response to a societal imperative for competent practitioners in process safety

Neil Atkinson (Director Qualifications IChemE)

There is a worldwide shortage of engineers with expertise in the field of process safety engineering. Moreover, there is general concern (including among regulators) that some who claim to be 'safety' engineers do not have the requisite breadth or depth of competence to operate professionally in the field of process safety. Unlike occupational safety, there is no recognised professional standard of process safety engineering excellence.

This presentation demonstrates how IChemE is establishing an international professional engineer registration based on a robust standard that defines process safety engineer competences.

11h15 - 12h30

Human Factors in Process Safety: Panel

Seb Blair (DEKRA Insight), Paul Leonard (ARKEMA), John Bresland (former Head of CSB) and Rear Admiral (retd) Paul Thomas (CB FREng FCGI CEng)

Industry has made tremendous strides in workplace safety over the past 30 years. A myriad of systems and practices now allow organizations to create an accurate picture of risk, design better equipment and build more precise interventions to address exposure from both a people safety and process safety perspective. However, numerous accounts of serious and catastrophic events show it is the ability for individual contributors (employees and contractors) to detect and respond to real-time changes in risk, that is critical to assuring safe outcomes. Even in organisations with great safety performance, it is common to see employees struggle to recognise changes in exposure or respond to developments that could lead to an incident, as people can become desensitised to the subtle changes in exposure they work with every day.

This session explores how Human Factors, behavioural reliability, and individual exposure detection and response is critical to a comprehensive and sustainable approach to excellent safety performance.

13h45 - 14h30

12 years of ATEX: Doing the right things while saving on compliance

Maria Cabrelles

After 12 years of ATEX, there is still room for improvement. Our experience shows that the most important point is to establish and sustain a coherent and consistent strategy for the prevention of explosions. To fulfill the ATEX requirements there is no single pathway. On the contrary, one of the goals of the directives is to allow different companies to arrive at the same objective applying different measures. Therefore, it is of great importance that companies learn (with a deep technical knowledge) to apply this European legislation characteristic to their own sites in a cost effective manner increasing at the same time the safety of their employees and sites.

14h45 - 16h

**Workshop #3:
Process Hazard Analysis Best Process Safety Management Practices & Pitfalls**

Arturo Trujillo & Mauro Gotti

Join us for a refreshing session on HAZOP best practices that engages audience members in real HAZOPs exercises. PHAs (HAZOP et al.) are widely recognized as powerful tools for identifying hazards and evaluating risks. On the other hand, PHAs are quite expensive, requiring the undistracted attention of a significant group of experts. Therefore, it is of utter importance that these exercises are conducted in a cost-effective manner. Along our professional lives we have compiled a "PHA gallery of horrors" including several categories of errors and pitfalls, extending from planning to follow-up phases. In this workshop, attendees engage in real PHA exercises to learn some of these pitfalls and mistakes and learn ways to best prevent them.

All sessions and schedules are subject to change.

Attendance to the Process Safety track on the 21st and 22nd of October is included in the conference registration fee.

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