

Programme

Tuesday 4 November 2025

10:00 – 10:30	Conference opens			
	Warwickshire Suite	Banqueting Suite	1882 Suite	Tom Dollery
10:30 – 12:30	Workshops	Workshops	Workshops	Workshops
	<i>Human Factors in the Chemical and Process Industries</i> The Keil Centre 	<i>Management of Change</i> IChemE Safety Centre 	<i>What Makes for Effective Interdisciplinarity?</i> Hazards Forum 	<i>Tipping Point/The Bowtie Game</i> Risktec/ Wolters Kluwer Enablon 
12:30 – 13:30	Registrations/Break for exhibition and poster viewing (lunch provided)			
13:30 – 13:45	Opening remarks			
	Welcome – Eamon Chandler, Chair, Hazards 35 Technical Committee			
13:45 – 14:30	Plenary presentation			
	<i>ExxonMobil's Enhanced Major Accident Hazard Management Programme</i> Rebecca Peterson, Senior Principal Engineer, ExxonMobil Technology and Engineering, USA			

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Silver Sponsors



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Hazards35

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14:30 – 15:15	Refreshment break and exhibition viewing			
	Warwickshire Suite	Banqueting Suite	1882 Suite	Members Lounge
15:15 – 15:45	Safety Leadership & Culture	Gold Sponsor Presentation	Case Histories	Risk Assessment
	<i>The first 100 days: Delivering effective process safety leadership on joining a new organisation</i> Ashley Hynds, DNV, UK ☐	<i>Evergreen PHA</i> Andrew Bartlett, Sphera, UK  ☐	<i>Learning from a Liquid Hammer Incident at Hasdrubal Terminal – A Case for Design and Operational Resilience</i> Firas Atitallah, Amilcar Petroleum Operations, Tunisia ☐	<i>Cumulative Risk in Action: A Process Safety Case Study from Onshore Oil & Gas Facility Operations</i> Humaid Al Bimani, Petroleum Development Oman, Oman ☐
15:45 – 16:15	<i>The Human Element - How People Shape Safety</i> Jennifer Gilmour, Hawkse, UK ☐	Hydrogen I <i>LTS Futures: Development of Safe Hydrogen Pipeline Operational Procedures</i> Max Koronka, SGN, UK ☐	<i>Management of Seeps and Leaks, Lessons Learnt</i> Matt Hastings, Ithaca Energy, UK ☐	<i>Transforming HIPS Revalidation into a Lifecycle Safety Asset</i> Hamad Alsaqabi, Abdualaziz Alasiri and Ali Khumiry, Saudi Aramco, Saudi Arabia ☐
16:15 – 16:45	<i>From Principles to Practice: Building a Competence Framework for Process Safety Leadership Insights from Regulatory Inspections and Industry Good Practice in the North Sea</i> Muhammad Ullah, DNV, UK ☐	<i>Hydrogen integration in legacy gas infrastructure: An operator's insights on its pathway to decarbonisation and energy security</i> Wayne Mullins, Gas Networks Ireland, Ireland ☐	<i>TABIE: A New COMAH-compliant and resource efficient incident evaluation tool</i> David Embrey, Human Reliability Associates, UK ☐	<i>Findings of the Energy Institutes Research into Virtual HAZOP Studies</i> Stephen Bater, Energy Institute, UK ☐
16:45 – 17:15	<i>Creating Partners in Safety with Contractors: Third Parties and Risk</i> Daryl Wake, DEKRA, UK ☐	<i>Fire Walls in Hydrogen Storage Facilities: Are They Making Things Worse?</i> Karina Almeida Lenero, Gexcon, UK ☐	<i>Integrating Reverse Incident Engineering and Barrier Management: A Hybrid Framework for Proactive Safety Management</i> Naseem Qamar Shaikh, Director HSE and Qaiser Mehmood, Manager, HSE, Mari Energies, Pakistan ☐	<i>Turning Static Bowtie Diagrams into Dynamic Tools for Risk Management</i> Murray Callander, Eigen, UK ☐
17:30 – 18:15	Trevor Kletz Lecture ☐			
	Process Safety Leadership: Meeting Emerging Challenges in the UK Industry Ken Rivers, Health and Safety Executive, UK and former President, IChemE ☐			
18:15 – 18:30	IChemE Update (ISC Director)			
18:30 – 19:30	Welcome reception in exhibition area (drinks and light refreshments)			

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Programme

Wednesday 5 November 2025



08:30 – 09:00	Refreshments with poster and exhibition viewing				
09:00 – 09:45	Plenary presentation <i>The Safe and Ethical Use of AI in Process Safety</i> Professor John McDermid, OBE FREng, University of York, UK				
09:45 – 10:15	Flash poster session				
10:15 – 10:45	Registrations/Break for exhibition and poster viewing				
	Warwickshire Suite	Banqueting Suite	1882 Suite	Members Lounge	Chairs Lounge
	Safety Leadership & Culture II	Digitalisation, AI & Cybersecurity I	Carbon Capture	Hydrogen II	Modelling
10:45 – 11:15	<i>Process Safety Leadership – A Successful Systems Approach</i> Peter Neal, Premier Safety Associates, UK	<i>Understanding How Industry Uses AI in HSE Regulated Sectors</i> Colin Chambers, HSE, UK	<i>Risk Assessment for Proposed CO2 Injection Platform</i> Andrew Benton, ESR Technology, UK	<i>Effect of Fire Walls on Explosion Overpressures and Deflagration-to-Detonation Transition in Hydrogen Storage Facilities</i> Joe Butterworth, Gexcon, UK	<i>GasPiRRaM: HSE's Gas Pipeline Decompression Model</i> Andrew Newton, HSE, UK
11:15 – 11:45	<i>Keeping it Safe Today & Tomorrow (KISTT): Promoting a "Safe to Say" Culture</i> Deema Khunda and Stuart Clack, National Grid, UK	<i>Implications of AI on Process Safety</i> Vira Jogia, VRJ Consultancy, UK	<i>Use of CFD for Informed Decision Making for EER Provision on CO2 Injection Platforms</i> Stuart Hunter, Petrofac, UK	<i>Hydrogen explosions: Is the Validation Domain for the Current CFD Tools Representative of Real Events?</i> Prankul Middha, Abercus, UK	<i>Ammonia Pipeline Release Modelling</i> Ivan Boguslavskyi, Thornton Tomasetti, UK
11:45 – 12:15	<i>Business Resiliency in a Changing World: Viewpoint of an Insurer</i> Soondus Moorhead, CNA Hardy, UK	<i>Managing Autonomous Plants with Human-AI Partnerships</i> Neil Renton, ORS Consulting, UK	<i>Consequence Assessment of Subsea Release Scenarios in CO2 Pipeline Transport</i> Federica Tamburini, University of Bologna, Italy	<i>Improved Hydrogen Explosion Modelling in EXSIM</i> Jamie Thompson, DNV, UK	<i>Consideration of the Effects of Dry Ice on the Cooling of Steel Structures When Impacted by Two-Phase Jets of Carbon Dioxide</i> Gemma Tickle, ESR Technology, UK
12:15 – 13:15	<i>Safety Culture - Safety Leadership - Building a Strong Process Safety Culture: A Multifaceted Approach for safety towards sustainability and resilience</i> Vishvas More, Saudi Aramco, Saudi Arabia		<i>Innovative Mobile Ejector System for Efficient Flare Recovery in Offshore Well Operations</i> Deema Mohammed Alluwaimi, Adnoc, UAE	<i>Development of a Model for Unconfined Hydrogen Explosions</i> Niall Foster, DNV, UK	
13:15 – 13:45	Lunch with exhibition and poster viewing				
13:45 – 14:30	Plenary presentation <i>COMAH Strategic Forum: Current Priorities and Emerging Regulatory Focus</i> Gus Carroll, Empirisys, UK				

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	Functional Safety & SIL I	Management of Non-Routine Operations	Assurance	Hydrogen III	Knowledge & Competence
14:30 –15:00	<i>A Probabilistic Approach to LOPA – Incorporating Probability Distributions to Address Uncertainty</i> Matt Baggageley, Risktec, UK	<i>Eliminating the Hazard of Alarm Floods</i> Robin Brooks, PPCL, UK	<i>How Effective is Process Safety Management Auditing and How Do We Know - Really!</i> Andrew Tomb, Syngenta. UK	<i>Quantitative Risk Assessment of a Green Hydrogen Production Plant: Results from a Case Study</i> Federica Ricci, University of Bologna, Italy	<i>Hazop and Pharma Manufacture - Contamination Control Strategy - A Proposal for Undergraduate Teaching</i> Rob Peeling, IChemE Pharma SIG
15:00 –15:30	<i>Are your SIS Performance Assumptions Realistic? Let's find out!</i> Iwan van Beurden, Exida, USA	<i>Guidelines for Preparing Process Equipment for Maintenance and Return to Service – An Overview of Contents and Material from a New CCPS Book</i> Roger Stokes, BakerRisk. UK	<i>The Journey of Oman LNG in Rationalization of Safety Critical Elements, Findings, Challenges and Outcomes</i> Saaed Al-Shehhi, Oman LNG, Oman	<i>Hydrogen Safety – Challenges in Managing Hydrogen Gas Dispersion</i> Nellya Serikova, Subsea7, France	<i>Containment or Catastrophe: Bridging the Gap Between Biosafety and Process Safety</i> Jaspreet Kaur Chana, ERM, UK
15:30 –16:00	<i>Whole System Integrity</i> Jon Wiggins, DEKRA. UK	<i>Ready, or Not? IVOR is Coming! Independent Verification of Readiness: Experiences of Preparing Organisations for Starting Up Unfamiliar Major Hazard Facilities</i> Mark Hopwood, DNV, UK			<i>Building Capacity in Newly Utilized HIRA Technologies: Empowering Teams with Bowtie, DHA, and Enhanced Engagement</i> Mohamed Osman Mostafa, SABIC, Saudi Arabia
16:00 –16:30	Registrations/Break for exhibition and poster viewing				
	Warwickshire Suite	Banqueting Suite	1882 Suite	Members Lounge	Chairs Lounge
	Functional Safety & SIL II	Management of Change	Asset Management	Critical Task Analysis	Modelling II
16:30 –17:00	<i>Improving SIL Determination in LOPA: Misinterpretation of Safeguards in High Demand Systems</i> Rafael Fernandez-Gil Bermudez, Risktec Solutions, UK	<i>Creeping Change Hazard Identification (CCHAZID) for Managing Major Accident Hazards in a Dynamic Energy Sector (Including Risks Associated with Events Such as Pandemics)</i> Justin Holroyd, HSE, UK	<i>Barrier Performance Assessment - An Innovative Approach Driving Process Safety Improvement of Aging Wells and Field Facilities</i> Sheikh Mubi Ashraf, Mari Energies, Pakistan	<i>Iterating, Integrating and Improving Human Factors at Two COMAH Upper Tier Sit</i> Andy Brazier, AB Risk, UK	<i>Utilising CFD Consequence Results within Quantitative Risk Assessments</i> Will Place, DNV, UK
17:00 –17:30	<i>A Multicriteria Approach for Risk-informed Design and Emergency Mitigation of CO2 Pipelines</i> Anindityo Patmonojai, University College London, UK	<i>Identifying Critical Roles for Organisational Change Risk Assessment</i> Lorraine Braben, Lorraine Braben Consulting, United Kingdom	<i>Turning Risks into Opportunities- Case Studies</i> Imtiaz Ali Hakro, ADNOC, UAE	<i>How to Start an Ethylene Cracker – Use of Safety Critical Task Analysis for Highly Complex Processes</i> Andrew Fry, TUV Rheinland, UK	<i>Safety and Structural Assessment of ITER VS3 Power Supply Configurations: Integrating Energy Storage and Fault Analysis</i> Francesco Chille, FCCS, Italy
17:30 –18:00		<i>End to End Transformation of MoC Quality Improvement: Start with Self-Verification and Sustain with Performance Management</i> Bugi Setiadi, bp, Indonesia		<i>Understanding and Managing the Non-technical Elements of the Major Accident Barrier Model: Perspectives from Regulation of Human Factors in the North Sea Oil and Gas industry.</i> James Bunn, HSE, UK	<i>Use of Sensitivity Studies and Initial Safety Assessments to Rank Tritium Radiological Risk by Sub-System for the STEP Fuel Cycle</i> Adam Cooper, UKIFS, UK
18:00 –19:00	Drinks reception in exhibition area (drinks and light refreshments)				

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Programme

Thursday 7 November 2025



08:45 –09:15	Refreshments with poster and exhibition viewing			
09:15 –10:00	Plenary presentation			
	Cross-Industry Learnings: Nuclear Good Practice and ONR Priorities, Neil Blundell, Office for Nuclear Regulation, UK			
10:00 –10:30	Refreshments with poster and exhibition viewing			
	Warwickshire Suite	Banqueting Suite	1882 Suite	Members Lounge
	Digitalisation, AI & Cybersecurity II	New Guidance & Regulations	New Energy	Modelling III
10:30 –11:00	<i>Cyber Security Response Plans Through the Lens Of Critical Task Analysis</i> David Allen, TUV Rheinland, UK	<i>Evaluating the Impact of New Regulation for Certifying Above Ground Storage Tanks and Vessels in Texas</i> Edison Sripaul, Mary Kay O'Connor Process Safety Center, USA	<i>ALARP Demonstration for Novel Projects in Energy Transition</i> Sean Baker, ERM, UK	<i>Optimizing Process Safety Measures: A Critical Review and Novel Perspective of Explosion Modeling with Practical Application in Chemical Process and Storage Facilities; with Python</i> Dr Phineas Masango, Anglian Water, UK
11:00 –11:30	<i>From Standards to Scenarios: Conducting Effective OT Cybersecurity Risk Assessments</i> Dwane Shelton, Exida, Ireland	<i>Understanding Major Hazard Human Harm Risk Assessment (MHHHRA) for COMAH - New CDOIF Guidance</i> Carolyn Nicholls, RAS, UK and Jim Neilson, HSE, UK	<i>An Energy Harvesting Ship, the First of its Kind</i> Clare Dunkerley, Otto Simon, UK	<i>Fugitive Emissions Reduction through Optical-fibre Based Monitoring</i> David Snoswell, nuron, UK
11:30 –12:00	<i>Enhancing Process Safety Management with Digital Solutions at OQEP</i> Safa Al Hatmi, OQEP, Oman	<i>Alarm Management - Guidance Document EEMUA 191 4th Edition Updated 2024</i> Andrew Brazier, AB Risk. UK	<i>The Importance of the Gas Safety (Management) Regulations: Cyclical Safety Management; Unknown and Unmitigated Risks; and Supporting Safety in the Energy Transition</i> William van Woerden, DNV, UK	<i>Trust and VVUQ for Explosion Simulations with CFD: a Focus on Solution Verification</i> Steve Howell, Abercus, UK
12:00 –12:30		<i>Separation Distances for Small-Scale Hydrogen Installations: Development of Guidance for the Energy Institute</i> Karina Almeida Lenero, Gexcon, UK		<i>Case Study of a Methodology to Assess the Localised Heat-Up of a Vessel from a Pipe Connection in a Fire Event</i> Megan McEveley, Thornton Tomasetti, UK
12:30 –13:30	Registrations/Break for exhibition and poster viewing (lunch provided)			

Programme

Thursday 7 November 2025



	Warwickshire Suite	Banqueting Suite	1882 Suite	Members Lounge
	Nuclear	Fire & Explosion Hazards	DSEAR & Hazardous Area Classification	Reaction Hazards
13:30 – 14:00	<i>Nuclear Safety and Process Safety – A Powerful Combination</i> Mark Shields and Laura Joryeff, Assystem Safety and Risk, UK ☐	<i>Diesel/Kerosene Fuel Mist Hazards – A Proportionate Response?</i> Harvey Dearden, SISSuite, UK ☐	<i>Hazardous Area Classification and Hydrogen: A User's Experience.</i> Alison McKay, TÜV Rheinland Industrial Services, UK ☐	<i>Runaway Chemical Reactions Don't Just Happen in the Chemicals Sector</i> Stephen Rowe, DEKRA, UK ☐
14:00 – 14:30	<i>Avoiding Nuar Catastrophe: A Framework for Profiling the UK's Safety Engineer Capability and Recommendations for Effective On-The-Job Training</i> Dr Charlotte Levy and Timothy Levy, Babcock International, UK ☐	<i>Heuristics for Large Quantities of Hazardous Chemicals Under Private Individuals' Control</i> David Krivanek, Brno university of technology, Czech Republic ☐	<i>Enhancing Risk Assessment Consistency: Integrating Fault Tree Analysis into Risk Assessment</i> Indira Saifuddin, Bureau Veritas, UK ☐	<i>Understanding The Dynamic Behavior Of A Decomposing Peroxide In A Top Vented Reactor Vessel Under Runaway Conditions</i> ☐
14:30 – 15:00	<i>Comparing Fire Growth Dynamics of Liquid Pool and Solid Combustible Fires: Implications for Fire Spread and Layout Arrangements in Nuclear Power Facilities</i> Dan Tyas, AtkinsRéalis, UK ☐	<i>Process Safety Design and Layout: Green Hydrogen, Green Ammonia, and Pyrolysis Facilities</i> Phillip Smith, px Engineering, UK ☐	<i>Difficulties with DSEAR: Insight into the Challenges of Applying Standard Methodologies for Hazardous Areas Classification in Nuclear-specific Contexts</i> James Cassel, Cavendish Nuclear, UK ☐	<i>Update of ASTM E537-24 for DSC Testing Method</i> Professor Min Sheng, East China University of Science & Technology, China ☐
14:30 – 15:00	<i>A Layered Approach to Combined Hazards Assessment: Insights from Small Modular Reactor Applications</i> Belen Guerra, AtkinsRéalis, UK ☐			<i>The Largest Chemical Interaction Matrix... In The World</i> Robert Fitch, AXIOM, UK ☐
15:30 – 15:45	Closing remarks Eamon Chandler, Chair, Hazards 35 Technical Committee			

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