



**HAZARDOUS
INDUSTRIES**

2018

27 - 29 March 2018
Royal on the Park | Brisbane | Australia

**Safety differently – practical strategies to manage
process and HSE risks**

Delivering key industry experts including:



Sidney Dekker
Professor – School of
Humanities
Griffith University



Andy Sibley
Head of Business
Improvement
Contact Energy



Peter Thorning
Director –
Regulatory Strategy
and Boards
**Office of Industrial
Relations
Queensland**



Dylan Campher
Director of Simulation
**Queensland Health
Clinical Skills
Development
Service**



Nicole Shambrook
Senior Process Safety
Engineer
Origin Energy



Maureen Hassall
Associate Professor
**The University of
Queensland**



Lisa McKeown
HSE Strategy –
Best Practice and
Innovations Manager
Laing O'Rourke



Richard Pocock
Principal Process
Safety Engineer
Clough Projects



Paulo Gomes
Regional Senior
Safety Advisor
**Otraco
International
(Downer)**



David Cliff
Professor of Risk and
Knowledge Transfer
**The University of
Queensland**



Tony Pooley
Associate Professor
– Risk and Safety
Management
**University of
South Australia**



Kym Bancroft
Safety Culture
Transformation
Partner
**Queensland Urban
Utilities**



Shoena Messner
Director – Hazardous
Chemicals and
Industries Branch
**Workplace Health
and Safety
Queensland**



Eane Watson
National Safety Manager
**Team Rubicon
Australia**
Associate – EHS
Management and
Compliance
WSP



Jason Edwards
Research Associate
**Queensland
University of
Technology**

Key benefits of attending:

Why you should attend Safety in Hazardous Industries 2018:

- **Practical sessions** – leave the event with new insights for your end-to-end process and HSE plan
- **Industry case studies** – get insights into leading examples of safety excellence
- **Think differently** – expand your ideas by learning how others tackle similar problems
- **Benchmark your progress** – on safety excellence with organisations from across industries
- **Productive interaction** – engage with your peers through interactive panel discussions and networking opportunities

PLUS!

Full day in-depth learning sessions on Thursday 29 March

In-depth Learning Session A

**Understanding Major Accident Hazards (MAH) through
bowtie analysis**

In-depth Learning Session B

**Enabling safety – Learning from what goes right to build
capacity and resilience**

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Conference Day One – Tuesday 27 March

08:15 Registration and welcome coffee

08:50 **Opening remarks from the Chair**



David Cliff

Professor of Risk and Knowledge Transfer
The University of Queensland

INTERNATIONAL KEYNOTE PRESENTATION:

09:00 **Contact Energy's process safety improvement journey – lessons learned**

- Exploring the practicality of the 'Trojan Horse' effect in driving safety efficiency
- How the process safety journey lead to digital innovation
- Understanding what can go wrong and implementing preventative systems
- Why information is key to enabling safety



Andy Sibley

Head of Business Improvement and Support
Contact Energy (New Zealand)

09:40 **Partner presentation**

10:10 Morning tea

EXPLORING EVIDENCE BASED INDUSTRY APPROACHES AND APPLYING THEM TO YOUR PROCESS SAFETY MANAGEMENT STRATEGIES

CASE STUDY:

10:40 **How to overcome process safety challenges in oil and gas brownfield modification projects**

- Demonstrating applications of practical evidence based brownfield modification project analysis through incident history
- Understanding triggers for change, major accidents, and pilot programs to investigate specific safety issues
- How to conduct systematic analyses of facilities, systems, and identification of risk reduction opportunities
- Presenting ALARP recommendations
- Outlining the meaning, cost, troubles, technical difficulties, and other constraints of practical approaches to brownfield modification project safety



Richard Pocock

Principal Process Safety Engineer
Clough Projects

11:10 **Partner presentation**

ENCOURAGING EXCELLENCE IN YOUR RISK MANAGEMENT STRATEGIES VIA PRACTICAL MEANS

CASE STUDY:

11:40 **Risk and Safety – A relationship that matters to the foundations of safety excellence**

- Outlining the importance of the relationship between risk and safety
- Sharing insights from research into factors that impact effective risk/safety management
- Developing a framework for practical applications of risk management research



Maureen Hassall

Associate Professor
The University of Queensland

12:10 Networking lunch

CROSS-INDUSTRY PANEL DISCUSSION:

13:10 **Designing safety systems to facilitate company growth through employee participation**

- What are the most effective approaches to process safety and personal safety management?
- How do you best integrate the latest Operational Risk Management (ORM) techniques in your company?
- What are the positive and negative outcomes of focusing more on either process or personal safety?

Panel Moderator:



David Cliff

Professor of Risk and Knowledge Transfer
The University of Queensland

Panellists:



Melanee Reilly

State Inspector – Major Hazard Facilities
SafeWork NSW



Paulo Gomes

Regional Senior Safety Advisor
Otraco International (Downer)



Maureen Hassall

Associate Professor
The University of Queensland



Shoena Messner

Director – Hazardous Chemicals and Industries Branch
Workplace Health and Safety Queensland

14:00 **Refocusing risk management in the mining industry to fill in the safety gaps**

- Applying critical controls and control effectiveness to the management of catastrophic and chronic OHS risk
- How we can overcome risk management issues in the mining industry
- Demonstrating the gaps in safety management that need to be filled



David Cliff

Professor of Risk and Knowledge Transfer
The University of Queensland

14:30 **Managing strategic, operational and tactical safety in disaster response**

- Why safety management needs to consider positive risk as well as the negative
- How to embed safety seamlessly and invisibly into the organisational framework
- Outlining the process to building a culture and capability where safety is intuitive and enabling



Eane Watson

National Safety Manager, **Team Rubicon Australia**
Associate – EHS Management and Compliance, **WSP**

15:00 Afternoon tea

UNPACKING THE HUMAN ASPECTS OF SAFETY CONTROL, PERFORMANCE, AND REGULATION

15:30 **How human factors made aviation the safest industry on earth**

- Outlining the chain of events that set the stage for the global aviation community to acknowledge the importance of human factors
- Establishing the key reasons why 'human factors changed' over time to improve safety standards
- How the aviation industry instigated and modified training whilst keeping a global standard
- Practical applications of idea sharing, personal development, and human factors instructor training



Ben Charters

Airline Pilot and Human Factors Specialist
Flight Skills

CASE STUDY:

16:00 **Pipelines and beyond – ensuring public safety is the priority**

- Discussing the importance and relevance of pipeline regulatory environments to the hazardous safety sector
- Outlining pipeline incidence operator obligations to drive safety thinking
- Analysing the safety aspects of different pipelines to set achievable goals and standards



Shoena Messner

Director – Hazardous Chemicals and Industries Branch
Workplace Health and Safety Queensland

CASE STUDY:

16:30 **The importance of psychological wellbeing in facilitating higher employee performance**

- Using evidence to prove that effective 'mental safety' practices are as important as 'physical safety'
- Identifying the risks and performance issues that arise with poor workplace mental health
- Demonstrating the practical applications of a focus on psychological safety



Jason Edwards

Research Associate
Queensland University of Technology

17:00 Closing remarks from the Chair

17:10 End of Day one and networking drinks

19:00 Official event dinner

Conference Day Two – Wednesday 28 March

08:30 Welcome coffee

08:50 **Opening remarks from the Chair**



Jason Edwards
Research Associate
Queensland University of Technology

OPENING KEYNOTE ADDRESS:

09:00 **How to do 'Safety Differently' - What is your organisation capable of improving?**

- Proving that people are not a problem to control but problem solvers that adapt around goal conflicts, resource limitations, variations and constraints
- Demonstrating the benefits of not telling people what to do through procedures, checklists and rules, and instead ask them what they need to be successful
- Why you should stop counting negatives (incidents & injuries) as if their absence is telling you anything interesting about your organisation's safety
- Learn about the positive resilient capacities your people and teams that help make things go right everyday can provide



Sidney Dekker
Professor – School of Humanities
Griffith University

CASE STUDY:

09:40 **Reflexive simulation – Understanding how safety can be accomplished differently**

- Understanding reflexive simulation and its worth as a quality improvement tool
- Benefits of Safety Improvement Methodology (S2i) model; human factors and safety engineering
- Providing new perspectives and applications of simulated safety training



Dylan Campher
Director of Simulation
Queensland Health Clinical Skills Development Service

PARTNERING FOR SUCCESS: EXPLORING THE BENEFITS OF EFFECTIVE SAFETY COLLABORATION

CASE STUDY:

10:10 **Collaboration across the lifecycle – How an integrated partnership on safety benefits constructors, operators and the public in a PPP**

- How to achieve an integrated safety partnership
- Examining the benefits of collaboration in a PPP
- Analysing the need for collaboration in the safety sector to drive efficiency and results



Wade Needham
Head of Safety, Environment and Wellbeing – Asia Pacific Region
Serco

10:40 Morning tea

CASE STUDY:

11:10 **Examining how challenging the right people leads to the best safety result**

- Identifying your safety site restraints
- Outlining the strategies for utilising in house talents and acknowledgements
- Demonstrating the importance of overcoming resource obstacles



Paulo Gomes
Regional Senior Safety Advisor
Otraco International (Downer)

CASE STUDY:

11:40 **Learning from Origin Energy's incident investigation redesign – an innovative approach to safety examination**

- Outlining the practicality of differentiating between under analysis vs over analysis
- How to meet legislation/ALARP whilst simplifying and reducing workforce
- Ins and outs of safety data analysis



Nicole Shambrook
Senior Process Safety Engineer
Origin Energy

DEMONSTRATING THE EFFECTIVENESS OF A POSITIVE SAFETY CULTURE TO COMPANY EFFICIENCY

CASE STUDY:

12:10 **Queensland Urban Utilities' approach to understanding the importance of safety culture in driving practical solutions in hazardous industries**

- How and why Queensland Urban Utilities have invested in safety culture
- Exploring QUU's approach to practical safety solutions
- Building the capability to understand the complexity of human behaviour



Kym Bancroft
Safety Culture and Performance Partner
Queensland Urban Utilities

12:40 Networking lunch

CASE STUDY:

13:40 **Safety Differently in practice – Safety culture that enables work**

- How to ensure organisational resilience through new levels of engagement and trust
- Outlining the purpose of Laing O'Rourke's 'Next Gear'
- Discussing new approaches to safety 'thinking' to better implement safety management strategies



Lisa McKeown
HS&E Strategy – Best Practice and Innovations Manager
Laing O'Rourke

INSPIRING CHANGE IN APPROACHES TO SAFETY REGULATION, STANDARDS, AND OBJECTIVES

14:10 **Effective regulation of Major Hazard Facilities (MHF) to ensure safe operation**

- First-hand account on the 'how to' for MHF directing
- How to handle setting expectations, monitoring compliance, and avoiding regulator capture
- Providing evidence to prove the practicality of regulatory compliance in MHF



Melanee Reilly
State Inspector – Major Hazard Facilities
SafeWork NSW

14:40 Afternoon tea

PANEL DISCUSSION:

15:10 **The concept of Vision Zero and its favourability in the Australian safety sector**

- Is 'Zero Harm' an achievable goal?
- Does it set an unattainable and dangerous standard?
- What are the positives and negatives of the concept?
- Should Vision Zero be pursued or altered?
- How important are 'human factors' to this goal?

Panel Moderator:



Peter Thorning
Director – Regulatory Strategy and Boards
Office of Industrial Relations Queensland

Panelists:



Tony Pooley
Associate Professor – Risk and Safety Management
University of South Australia



Lisa McKeown
HS&E Strategy- Best Practice and Innovations Manager
Laing O'Rourke



Sidney Dekker
Professor – School of Humanities
Griffith University

REGULATOR SESSION:

16:00 **How to have healthy and effective relationships with regulators**

- Balancing regulation with practicality
- What to avoid and what to strive for in keeping regulators happy
- How to communicate with regulators in the most practical way



Peter Thorning
Director – Regulatory Strategy and Boards
Office of Industrial Relations Queensland

16:30 Closing remarks from the Chair

16:40 End of Day Two and close of conference

Post-conference in-depth learning sessions – Thursday 29 March

Registration and morning coffee for both sessions is at 08:30 and sessions will conclude at 17:00. Lunch, morning and afternoon tea provided.

Choose between:

Separately
 bookable

In-depth learning session A: Understanding Major Accident Hazards (MAH) through bowtie analysis

This practical in-depth learning session will focus on the new approaches that Contact Energy have taken to build on their existing process safety improvement activities through learning and knowledge of different and exciting approaches. Those in attendance will be safety professionals and operational teams from various hazardous industries interested in maximizing their process safety management potential.

Through interactive discussions and group working sessions, attendees will learn how to visualize and assess their companies' MAH through effective bowtie diagrams. Attendees will be able to walk away with the skill to show links between the potential causes/threats, preventative and mitigated controls/barriers and consequences of a major accident.

Key topics and takeaway skills/benefits:

- Identify process safety improvement potential and apply relevant techniques to maximize it
- Target key aspects of MAH that need deeper analysis and learn how to do so
- Key tips on presenting relevant major accident data; including causes, preventions, and consequences
- Learn how to compile data effectively and efficiently through bowtie diagrams

Facilitator:



Andy Sibley
 Head of Business Improvement
 Contact Energy

In-depth learning session B: Enabling safety – learning from what goes right to build capacity and resilience

This engaging in-depth learning session will explore the concept of effectively enabling safety, focusing on the practices that both foster it and allow it to thrive with longevity.

This lesson will shift the focus from investigating what has failed, to understanding what makes work succeed, and engaging with normal work to learn when work is difficult, to gain insights and strategies for building resilience.

Key topics and takeaway skills/benefits:

- Reflect on the current processes that your company possesses and identify what needs improving and what needs removing
- Learn from evidence based examples to benchmark your company's approach to enabling safety
- Study effective approaches on how to build and maintain strategies for company resilience

Facilitator:



Kelvin Genn
 Managing Director
 Art of Work

For details on your session facilitator's credentials please visit the speaker page on the event website www.questevents.com.au

Want to develop business at the event?

The Safety in Hazardous Industry Summit is where your brand will be placed "front of mind" with your target market.

- 1 Engage** with senior safety professionals from across the hazardous industries spectrum, both process and HSE
- 2 Influence** business strategies and create new opportunities for your organisation
- 3 Showcase** your capabilities and expertise, and position your business as the partner of choice
- 4 Be a part of the solution.** Help your clients employees lead healthier, happier lives



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Key benefits of attending the Safety in Hazardous Industries 2018 conference

- **Review** new industry approaches to HSE risks and process safety management
- **Explore** how leading organisations are applying methodologies to identify and implement effective change management strategies
- **Acquire** new data analysis solutions from multiple industries and see how they can help you achieve excellence in safety management
- **Discover** new ways to assess human factors and overcome challenges of a new era of changing technology and culture
- **Promote** HSE and process safety excellence in your organisation through improved contractor and operator communication
- **Learn** how to bridge the gap between technological advancement and human factor risks
- **Evaluate** your crisis and emergency management plan for better hazard identification and risk management

PLUS! The three pillars of any Quest event:

- Meet:** Senior VPs, directors, managers, and other high operators across hazardous industries
- Learn:** From 25+ high profile speakers over 3 days – delivering you premium content and value that is second to none
- Grow:** Your professional network and create business development opportunities through face to face interaction

It's what our events are all about....



Official Event Advisory Panel



Jason Edwards
Research Associate
Queensland University of Technology



Tony Pooley
Associate Professor – Risk and Safety Management
University of South Australia



Scott Pelling
Group Process Safety and Assurance Manager
Incitec Pivot



Peter Thorning
Director – Regulatory Strategy and Boards
Office of Industrial Relations Queensland



Lorena Bueno Cortez
Australia Land Manager
Schlumberger

Quest Events would like to take this opportunity to sincerely thank the official event advisory panel who contributed their valuable time and expertise to ensure the agenda for this event is timely and relevant for all safety professionals.

Who should attend:

Senior HSE and process safety executives, managers and team leaders from across Australia hazardous industry sectors, including (but not limited to):

- HSE Director
- Process Safety Engineer/Manager
- Compliance Manager
- Operational Risk Director/Engineer/Manager
- Loss Prevention Engineer/Manager
- Emergency Response Manager/ Superintendent
- Asset Integrity Manager
- Process Control and Instrumental Engineer/Manager
- HAZOP Leader
- Incident Investigation Engineer/Manager
- Reliability Engineer/Manager

Hear what speakers are saying about the event:

"Balancing the latest in industry practice, regulation and research-based knowledge, the Safety in Hazardous Industries 2018 conference will be invaluable to safety professionals seeking improvement in their business."



Jason Edwards
Research Associate
Queensland University of Technology

"Safety in high risk industries continues to need to evolve and develop as the nature of work and technologies change. By attending the Safety in Hazardous Industries 2018 Conference, we can continue to challenge and encourage ourselves and each other to find solutions to the problems we have ourselves created."



Eane Watson
National Safety Manager
Team Rubicon Australia
and Associate – EHS Management and Compliance, WSP

"Industries where high consequence low frequency events are possible often hold deep technical knowledge that is specific to that industry but because of the rarity of events, wide learning is also required from other industries. The Safety in Hazardous Industries 2018 conference brings people together to provide that opportunity. At scale, even rare events are not rare and it helps to pool our collective knowledge to prevent them."



Michael Wright
Manager – Major Hazard Facilities
SafeWork NSW

"By viewing Process Safety from a much multi-industry perspective, the Safety in Hazardous Industries 2018 conference is providing a golden opportunity to throw off your specific industry blinkers. I suggest you take it!"



Tony Pooley
Associate Professor – Risk and Safety Management
University of South Australia

"As a safety professional, I believe we need to be continuously looking for new thoughts and solutions. Even when everything is going well, we should keep our ears and eyes open to learn from others. I believe the Safety in Hazardous Industries 2018 conference will bring together an outstanding group of industry experts who will spark new ideas in every single attendee."



Paulo Gomes
Regional Senior Safety Advisor
Otraco International (Downer)

"Implementing effective strategies for work health and safety, in a rapidly changing world of work, is an ongoing challenge for businesses in Australia and internationally. Safety in Hazardous Industries 2018 will help you take an evidence-based approach which is aligned to legislative requirements."



Peter Thorning
Director – Regulatory Strategy and Boards
Office of Industrial Relations
Queensland

Yes! I would like to register ____ (number) delegate/s to attend **Safety in Hazardous Industries**

REGISTER IN 3 EASY STEPS

STEP 1 - Enter delegate details

Delegate 1

Title (Mr/Ms): _____ First Name: _____ Surname: _____
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Approving Manager

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Delegate 3						
Delegate 4						




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STEP 2 - Select your packages and apply any discounts

Are you eligible for a group discount? Group discounts of up to 25%! * 25% off for groups of 11-15 20% off for groups of 7-10 15% off for groups of 3-6

Registration Items	Dates	Book and pay	Number of delegates	Total
Safety professionals**				
<input type="checkbox"/> 3 Day Package (2 day conference plus in-depth learning session A or B)	27 - 29 March	AUD \$4,095 incl. GST		
<input type="checkbox"/> 2 Day Conference Package (2 day conference only)	27 - 28 March	AUD \$3,195 incl. GST		
Standard Conference Pricing				
<input type="checkbox"/> 3 Day Package (2 day conference plus in-depth learning session A or B)	27 - 29 March	AUD \$4,595 incl. GST		
<input type="checkbox"/> 2 Day Conference Package (2 day conference only)	27 - 28 March	AUD \$3,695 incl. GST		
<input type="checkbox"/> Post-Conference In-depth Learning Session only (A or B)	29 March	AUD \$2,095 incl. GST		
<input type="checkbox"/> Official Event Dinner***	27 March	AUD \$195 incl. GST		
<small>*Group Discounts apply for bookings made simultaneously and on one invoice only. ** Safety professionals (non-vendors) pricing is only available to safety professionals. Qualification for this pricing is at the sole discretion of Quest Events. All private operators or otherwise are required to pay the standard prices quoted above. If you are not sure if you qualify, please contact our customer service team on +61 (0)2 9977 0565 for confirmation. Only one discount applies, whichever provides the greater saving. ***The event dinner is available to registered attendees of the event only</small>			Deduct your discount	
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3-6 dels **SAVE 15%**

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