

Presented by



Hazardous Areas & Energy Safety Conference

30th April & 1st May 2025
Brisbane, Australia



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IDC Technologies Events & Technical Conferences

IDC Technologies is internationally acknowledged as the premier provider of practical technology training and technical conferences. With offices in Australia, New Zealand, Singapore, the United Kingdom, Ireland, India, the USA, Canada, and South Africa, IDC Technologies has an enthusiastic team of professionals committed to providing the highest-quality training and events.

Conference Management

Over the past 30+ years, IDC Technologies has coordinated workshops and conferences around the globe. Each conference has a dedicated team of professional organisers committed to making that event successful. We aim to have the highest caliber of speakers who will present an interactive program with real-world examples, case studies, and solutions. We aim to provide conferences with niche topics, speakers, and content.

IDC Events specialises in technology training in the fields of:

- Education and Training
- Electrical Engineering
- Mechanical Engineering
- Chemical Engineering
- Industrial Data Communications and Networking
- Information Technology
- Electronic Engineering

Visit our website for upcoming event information: events.idc-online.com



Hazardous Areas & Energy Safety Conference

Overview

This conference will bring experts from across the hazardous areas and energy safety industries together to share insights, incidents, assessments, inspections, design, and equipment, solve complex problems, and explore the emerging landscape in Australia.

Day one will focus on combustible dust safety, while day two will explore gas safety, emphasising hydrogen, batteries, and renewable energy technologies. The conference will also review the current regulatory approaches across sectors, including applying relevant standards, common industry misconceptions, future regulatory considerations, and emerging projects.

Why Share Your Expertise?

The landscape of hazardous areas and energy safety is changing. What are the economic and practical realities of our energy future? Let us examine our course. We look for steady, reliable, and forward-thinking choices while considering safety.

From traditional manufacturing dealing with combustible dust to cutting-edge energy facilities, the industry faces new challenges that demand innovative solutions. This is an excellent opportunity to share your expertise, case studies, and knowledge in this fast-developing industry.

Call for Technical Papers & Case Studies

Are you working in **Hazardous Areas & Energy Safety** (technologist or technician, project manager, development lead, consultant, engineer or electrician, lawyer, or regulator) within hazardous areas & energy safety? We are looking for **presenters** to submit a topic idea and present papers at this conference that have been developed to promote best practices in this arena. **IDC Technologies Conference** presentations are non-commercial. The focus is on providing practical applications and solutions and engineering skills. In particular, we seek practical case studies, applications and the newest developments in this critical subject matter.

Day Two: Combustible Dust Safety

- Real-world applications of Dust Hazard Analysis
- Fresh approaches to dust control and mitigation
- Lessons learned from incident investigations
- Innovative testing methodologies
- Success stories in risk reduction
- Practical interpretations of standards
- Industry-specific challenges and solutions

Day One: Gas/Battery Safety & Future Technologies

- Hydrogen safety in the renewable energy revolution
- Battery storage facility challenges
- Modern approaches to gas detection
- Risk assessment in uncharted territory
- Integration of new technologies
- Standards interpretation for emerging technologies
- Battery Chemistry and Associated Risks
- Insights on Safety Protocols and Compliance Measures
 - Codes and Standards
- Equipment Safety
- Lessons Learned – Australian & Global Case Studies
- Installations & Licencing

Topic Suggestions – Hazardous Areas

- Apparatus grouping and temperature
- Electrical hazards, earthing, bonding and testing
- Standards, certification, certificates, marking and approval
- Codes of practice for the selection and installation of Ex equipment
- Installation, maintenance, fault finding and repairs of Ex equipment
- Safe Electrical equipment design and selection for hazardous areas
- Case histories of electrical incidents
- Organisational requirements of safety for hazardous areas
- Safety programs for hazardous areas
- Training
- Functional safety & hazardous areas
- Variable speed drive installation methods and sizing
- Designing compressors
- EEAA Hazardous Areas
- IEC/EX compliance process/ requirements for equipment manufacturing
- Risk management
- Auditing techniques
- Electrostatic ignition of hydrocarbons
- Protection against ignition arising out of static, lightning and stray currents
- Potential ignition risks associated with combustible liquids
Intrinsically safe barrier and cable calculations
- Exercises specific to gas, vapours and dust
- Modelling and actual calculations to determine hazardous areas showing real examples (e.g. comparing first principles calcs against generalised examples given in the HAC standard)
- Standards & Regulations Technical Committees, challenges the industry is facing
- Hands-on learning on safety

Topic Suggestions – Energy Safety

Hydrogen Sources

Hands-on learning on safety, hydrogen incident investigation
Technologies of hydrogen, ammonia and electricity
Hydrogen to replace fossil fuels
Hydrogen Installation
Hydrogen venting design
Competency framework for hydrogen safety
Power systems & controls
Competency framework for hydrogen safety
Renewable Hydrogen Sources, project learnings

Integrating Renewable Energy with Hazardous Areas

Production methods, basics of production Wind & Solar
Production technologies
Low-flow installation, modelling
Battery Safety & Energy Storage Risk Management of BESS Systems
Gas Safety
Maintenance techniques
Hybrid Energy Systems

Energy Safety

Safety Consideration of Batteries, Solar Panels & Energy
Material
Managing Chemical Hazards & Environmental Risks
Best Practice for Emergency Preparedness
Emerging Technologies & Innovation in Energy Safety
Economic & Practical Application

Application

Practical vs Stationary Application
Costs – cost-effective and viable?
Power Systems & Control
Safety in Design
National competency framework for gas safety
Documentation of Gas Installations
Case Studies

Regulation & Governments

Presentation from Standard Technical Committees
Standards & Regulations
Challenges the industry is facing
Hands-on learning on safety
Gas incident investigation
Current regulatory approaches
Interpretation and Application of Relevant Standards
Common Industry Misconceptions
Future Regulatory Considerations for Emerging
Projects

Express Your Interest in Presenting

To Express an Interest

Please fill in the Expression of Interest Form and email it to Conference Manager Vynka Malone:- Vynka.Malone@idc-online.com

What is required of presenters:

- A **100-word abstract** outlines the topic you want to present. This must be submitted electronically as soon as possible to secure your place.
- Once your topic is approved, your **technical paper and PowerPoint slides** are due six weeks before the event.

Speaking slots are allocated based on topic suitability and on a first-come, first-served basis.

Please note that sales presentations are not accepted.



Sponsorship Packages

Gold & Coffee Cart Sponsor	Silver Sponsorship	Conference Soirée
<ul style="list-style-type: none"> • Complimentary attendance for 2 delegates includes catering for two days and attendance at the networking drinks • Signage/banners displayed inside and/or outside the conference room • Trade display in the foyer (trestle table provided) • Logo featured on the conference brochure • Logo on the IDC website • Logo on conference manual • Seat drop – gift/promotional material • A copy of the attendee names and organisations post-event • Acknowledgement at opening and closing addresses • Promotional material emailed to delegates post-event. <p style="text-align: center;">\$4,500 Inc. GST</p>	<ul style="list-style-type: none"> • Complimentary attendance for 1 delegate for two days and attendance at the networking drinks • Signage/banners displayed inside and/or outside the conference room • Trade display in the foyer (trestle table provided) • Logo featured on the conference brochure • Logo on IDC website • Logo on conference manual • Seat drop – gift/promotional material • Acknowledgement at opening and closing addresses • Promotional material emailed to delegates post event <p style="text-align: center;">\$2,800 Inc. GST</p>	<ul style="list-style-type: none"> • Complimentary attendance for 1 delegate for two days and attendance at the networking drinks • Naming rights of the networking drinks • A short speech to extend an invitation to the attendees during the conference closing address • Signage/banners displayed in the space allocated for the networking drinks • Logo on event webpage • Acknowledgement at opening and closing address <p style="text-align: center;">\$2,000 Inc. GST</p>

Sponsorship Benefits

Attendee Profile

This conference presents an invaluable opportunity for sponsors to cultivate a robust business network comprising engineering and technical experts.

By participating, you will unlock the means to amplify your turnover by gaining entry to a precisely delineated target market.

This conference is an important event which brings together experienced professionals to present papers and case studies highlighting and examining Hydrogen and Hazardous Areas safety, new technologies and standards. This conference will provide a unique opportunity for companies with products and expertise in this area to reach their market of key decision makers.

Decision Makers

A growing proportion of engineering and technical professionals are represented in most senior roles in industry, commerce and government. They are among the CEOs and Managing Directors of Australia's top 500 companies, as well as hundreds of dynamic small and medium enterprises around the country.

Industries

A vast array of industries will be present at the conference providing you with a wide range of exposure for your products and services. Some of the many industries that will be present include:

Engineering

Mining

Oil & Gas

Government Agencies

Defence Industry

Training Companies

Water Resources

Power Generation Organisations

Manufacturing

Consultants

Energy Companies

Manufacturing

Sponsorship Benefits

An IDC Technologies Affiliation

Partnering with IDC Technologies at this conference will provide you with numerous benefits that can not be provided by other conferences or marketing activities. A business association with IDC Technologies will provide you with the opportunity to develop:

Influential Associations

IDC Technologies have the benefit of global recognition as the premier provider of engineering and technology training.

Approximately 500,000 engineers and technicians have attended IDC training events over the last 20 years. Our valuable clients come from many of the world's leading organisations.

Growing Business Opportunities

Representing your business at this conference will provide you with the opportunity to reach large and small businesses and consequently direct and influence their decisions to purchase your products and services

Access to Key Decision Makers

Give yourself and your colleagues the opportunity to network with decision makers at the highest levels. In positions such as CEO, Managing Director, Engineering Director, General Manager, Engineering Manager, Chief Engineer and Senior Engineer; these individuals are involved in driving the direction of the company and making key purchasing decisions.

Access to Leading Engineering Professionals

Gain access to industry acclaimed engineering experts for your clients and colleagues. All of our guest speakers will be available for consultation during networking sessions.

A Competitive Advantage for Business

IDC Technologies has a proven track record with business partners. Through our involvement in conferences, workshops and education programs globally, we have built and expanded our business network and ultimately, increased our bottom line.

Sponsorship Application Form

Contact Name:
Position:
Company Name:
Postal Address:
Billing Address:
Telephone:
Email:

I would like to confirm sponsorship of the Hydrogen Safety & Hazardous Areas Conference by the above organisation or individual.

Please tick package:

- Gold Package
- Silver Package
- Networking Drinks

Total Cost: \$

Purchase Order #:
Signature:
Name:
Date:

Confirmation:

Please email this signed form to conferences@idc-online.com as well as high resolution images of your company logo and website link to be added to the brochure and website. Once we have received your application, we will review and send confirmation in writing along with an invoice for payment. Payment of the invoice must be made prior to the event.

Sponsorship Cancellation Policy:

All cancellations must be made in writing to conferences@idc-online.com on or a minimum of 60 days prior to the conference date, after this date they will incur a 50% cancellation fee. Any cancellations within 14 days of the conference will incur a 100% cancellation fee.