

Presented by



Hydrogen Safety & Hazardous Areas Conference

10th & 11th August 2023
Perth, Australia

Speaker & Sponsorship Prospectus

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About IDC Technologies

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

Conference Management

Over the past 20+ years IDC Technologies has coordinated workshops and conferences around the globe. Each conference has a dedicated team of professional organisers who are committed to making that event a success. The aim is 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 specialise 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 [Home \(idc-online.com\)](http://idc-online.com)



Hydrogen Safety & Hazardous Areas Conference

An Overview

The Hydrogen Safety & Hazardous Areas Conference is a practical and informative platform to showcase best practice, new technologies, new and improved standards and regulations for hazardous areas and the safe use of hydrogen. It is an opportunity to be part of this rapidly changing move to renewables where knowledge and safety are the focus.

Day one of the conference will concentrate on hydrogen. Hydrogen's cryogenic properties require additional engineering controls and understanding to ensure its safe use. Safe practices in the production, processing, transportation and utilisation of hydrogen are essential to protect direct stake holders from injury or death. These practices are also necessary to prevent damage to equipment, facilities and surroundings.

Any potential accident or incident could negatively impact the public's perception of hydrogen as viable, safe, and a clean alternative to conventional energy systems - thus making it difficult to commercialise these developing technologies. Management is integral to ensuring that those who handle hydrogen and associated materials are aware of best practice to ensure their jobs are performed safely.

On day two of the conference presenters will share their expertise on the safe use of instrumentation, electrical and mechanical equipment in hazardous, flammable or explosive environments. The hazardous areas sessions will highlight new technologies, best practice, and outline the updates to standards and regulations designed to prevent accidents and injuries in the workplace.

The economic impact of accidents will also be considered when explosions and fires due to the ignition of flammable vapours, dust clouds or even static electricity are prevented.

Call for Papers

Are you a specialist (technologist or technician, project manager, development lead, consultant or engineer) working with hydrogen or hazardous areas in mining, utilities, oil and gas, or industrial plants? We are looking for a number of presenters to submit a topic idea and present their papers at this upcoming conference which has been developed to promote best practice in this area.

Join your peers in a vigorous and positive exchange of views, building your career and public profile and making a contribution to Australian engineering practice.

IDC Technologies Conference presentations are non commercial. The focus is on providing practical applications and solutions – probably the best way to showcase your technologies and engineering skills. In particular we are seeking practical case studies, applications and the newest developments in this critical subject.



Topic Suggestions

RENEWABLE, GREEN & CLEAN HYDROGEN

SOURCES:

- Renewable Hydrogen sources
- Life cycle sustainability assessment
- Sustainable / environmentally friendly hydrogen
- Hydrogen as a strategy for climate change
- Hydrogen to replace fossil fuels
- Green hydrogen

HYDROGEN PRODUCTION & CONVERSION:

- Current production methods
- Production technologies
- carbon capture and storage
- Using fuel cells / pemtode
- Hydrogen blending in natural gas networks
- biological water splitting
- Water for hydrogen production
- Regional hydrogen hubs

HYDROGEN TRANSPORTATION & STORAGE:

- Hydrogen vehicles (buses / boats / cars)
- Fuel cell electric vehicles
- Hydrogen export and global markets
- Competing with conventional fuel
- The hydrogen supply chain APAC
- Hydrogen refueller stations
- Hydrogen projects for long haulage
- Compressed gas, liquid hydrogen, gas pipelines for storage

HYDROGEN APPLICATION:

- Practical vs Stationary Application
- Costs – is hydrogen cost effective and viable?

Topic Suggestions Cont.

HAZARDOUS AREAS

- Classification of apparatus
- Apparatus grouping and temperature
- Electrical hazards, earthing, bonding and testing
- Standards, certification, certificates, marking and approval
- Codes of practice for selection and installations 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
- Organizational requirements of safety for hazardous areas
- Safety programs for hazardous areas
- Training
- Earthing and bonding in hazardous areas
- Functional safety & hazardous areas – SIL's (IEC 61508/61511)
- Variable speed drive installation methods and sizing
- Designing compressors
- 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 dusts
- Updates to ISO 80079:2016 - Explosive atmospheres - Parts 36, 37, 38: Non-electrical equipment for explosive atmospheres
- Gas detectors for risk reduction

Express Your Interest in Presenting

To Express an Interest

Please fill in the [Expression of Interest Form](#) and email to Conference Manager Vynka Malone Vynka.malone@idc-online.com

What is required of presenters:

- A **100 word abstract**, which outlines the topic you would like to present. This needs to be submitted electronically as soon as possible, to secure your place.
- Once your topic is approved, your **technical paper and PowerPoint slides** will be due six weeks prior to the event.

Speaking slots are allocated on topic suitability and on a first come first served basis. Please note, sales presentations are not accepted.

Sponsorship Packages

Gold Sponsorship

Includes:

- Complimentary attendance for 2 delegates includes catering for two days & attendance to networking drinks
- Signage/banners displayed inside and/or outside the conference room
- Trade display in foyer (trestle table provided)
- Logo featured on conference brochure
- Logo on IDC web site
- 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.

4,200 Incl. GST

Silver Sponsorship

Includes:

- Complimentary attendance for 1 delegate for two days & attendance to networking drink
- Signage/banners displayed inside and/or outside the conference room
- Trade display in foyer (trestle table provided)
- Logo featured on conference brochure
- Logo on IDC web site
- Logo on conference manual
- Seat drop – gift/promotional material
- Acknowledgement at opening and closing addresses
- Promotional material emailed to delegates post event

\$2,800 Incl. GST

Networking Drinks

x 1 Available

Includes:

- › Complimentary attendance for 1 delegate for two days & attendance to networking drink
- › 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

\$2,000 Incl. GST

Sponsorship Benefits

Attendee Profile

This conference will provide sponsors with the opportunity to build your own business network of engineering and technical professionals. It will give you the mechanism to increase your turnover through access to a clearly defined target market. Why waste valuable marketing resources trying to reach the right people, when they will be at your fingertips?

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 multitude 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:

Aluminum	Energy	Petroleum
Building services	Petrochemicals	Water Resources
Consulting engineers	Food Processing	Pharmaceuticals
Defence Industries	Manufacturing	Power Generation
IT Companies	Mining and Minerals	Oil & Gas
Hotels and Resorts	Telecommunications	Hospitals
Environmental Technologies		

Sponsorship Benefits Cont.

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 400,000 engineers and technicians have attended IDC training workshops 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:

Purchase Order #:

Signature:

Name:

Date:

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

Please tick package:

- Gold Package
 Silver Package
 Networking Drinks

Total Cost: \$

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 incur a 100% cancellation fee.