



2023 INTERNATIONAL SYMPOSIUM – EXPLOSIVE ATMOSPHERES

Equipment, Services, People and Hydrogen

Edinburgh, Scotland 20th September 2023

The United Kingdom National Member to IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres (IECEX), invites you to participate in this important event.



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To meet the world's ever-increasing energy demand, the Oil and Gas industry has built larger and more complex installations for extraction, processing and distribution, and made higher and higher capital investment. To protect this investment and the persons working in and around these installations, compliance with international safety standards is paramount.

The IEC (International Electrotechnical Commission) has long been involved in developing International Standards for equipment used in hazardous areas. Set up in 1946, IEC TC (Technical Committee) 31: Equipment for explosive atmospheres, has a complete series of International Standards that cover all specific requirements for Ex equipment and systems, from general requirements to protection levels for apparatus used by all sectors that operate in hazardous environments, such as oil refineries, offshore oil rigs, gas plants, mines, sugar refineries, flour mills, grain silos and the paper and textile sectors.

All sectors of the Ex industry have embraced IEC International Standards but producing equipment based on Ex standards is not enough.

Most manufacturers, suppliers and end-users trade on the global scene and have to meet the very strict requirements put in place by national regulations and legislation - proving their adherence to those requirements can be both costly and time-intensive.

To provide a global and credible means of ensuring compliance with its International Standards, the IEC established the IECEx System for Certification to Standards Relating to Equipment for Use in Explosive Atmospheres.

Since its inception in 1996, IECEx has established a number of Schemes that provide assurance that equipment and systems are manufactured and operated according to the highest international standards of safety in the areas of:

- **Equipment** by the IECEx Certified Equipment Scheme
- **Services** by the IECEx Certified Service Facilities Scheme
- **Personnel competence** by the IECEx Certification of Personnel Competence Scheme (CoPC)

The purpose of this one day Symposium is to provide attendees with latest information concerning:-

- Regulatory and Infrastructure requirements in the UK as they apply to the installation and use of Ex equipment and installations
- Updates concerning international standards and best practice
- Updates concerning an international approach to Testing and Certification used for Compliance verification
- Opportunities arising from increased use of Hydrogen Technologies

2023 International Symposium – Edinburgh, Scotland

The IEC and IECEx, together with the UK National Member Body of IECEx are organizing the 2023 International Symposium in Edinburgh, Scotland, on 20th September 2023.

A great networking opportunity

This one-day event is a unique opportunity for industries in the region to not only become better acquainted with latest developments and requirements in established industries of oil and gas but also emerging industries such as Hydrogen and the green economy, but also to get involved and form precious contacts and networks within the Ex community of experts.

World experts share experience and knowledge

The symposium will bring together experts from all over the world, involved in international standardization, equipment manufacturing, inspection, repair and overhaul of Ex equipment and systems, and the assessment and certification of personnel competence. Issues concerning requirements and regulations within UK will also be covered.

Through their presentations and direct contact with participants, these experts will be able to share their experience and detailed knowledge on all matters pertaining to the Ex field, such as plant design, principles and practical applications of area classification, installation and repair in compliance to IEC International Standards.

They will answer questions, provide advice and give valuable information to anyone involved in the Ex sector.

Practical information

- Admission to the Symposium is **FREE**
- The conference will be held at the Dalmahoy Country Club

To reserve your place for this important event please visit the IECEx website www.iecex.com, or for further information please send all enquiries to info@iecex.com

Programme / 20th September 2023

08:15 – 08:45	Registration
09:00 – 09:10	Welcoming + Opening Address Mr Dom Barraclough, MD Finch Consulting
09:10 – 09:50	Ex Infrastructure in the UK Information on the latest requirements and regulations governing the installation and use of equipment and services used in areas where flammable or combustible materials are generated, stored or used. Mr Colin Cameron, Mutech, Chairman UK National Committee
09:50 – 10:30	Area Classification An explanation of the importance to correctly address the hazards and extent of these hazards prior to design and operation of any new plant along with the need to control and re-evaluate changes to existing plant and infrastructure Mr Marino Kelava, Fiditas, IEC SC31J
10:30 – 11:00	Coffee/Tea break
11:00 – 11:50	Selection of Equipment / Installation / Inspection Practical approach to Ex installations according to the requirements of IEC 60079-14 and the inspection requirements of IEC 60079-17 Mr Peter Thurnherr – thuba, Chair IECEx Services Facility Scheme Committee
11:50 – 12:30	Hydrogen Ex Equipment Repair Ex Equipment overhaul and repair Mr John Allen – Sheppard Engineering, Chair IECEx Personnel Competence Scheme Committee
12:30 – 13:30	Lunch
13:30 – 14:30	Opportunities arising from the Hydrogen Industry Dr Andrei V. Tchouvelev Hydrogen Council Dr Thorsten Arnhold, R. STAHL, IECEx Immediate Past Chairman
14:30 – 14:50	International Standards update Current status of International Standards covering Ex including the new Standards arising from IEC SC 31M standards dedicated to “non-electrical” equipment and protective systems and an update on ISO TC 197 Hydrogen Technologies Mr Tim Krause, PTB, IEC TC31 / IECEx Liaison
14:50 – 15:20	IECEx System – The IECEx and its three Schemes covering equipment, services and personnel competence: Mr Mark Amos, IECEx Secretariat
15:20 – 16:00	Open Forum Mr Ron Sinclair MBE, SGS UK
16:00	Closing Remarks
	Networking - Coffee/Tea
