



2017 IECEx INTERNATIONAL CONFERENCE

Equipment and Services in Explosive Atmospheres

Shanghai, People's Republic of China 11-12 April 2017

IEC System for Certification to Standards Relating to Equipment for Use
in Explosive Atmospheres (IECEx)

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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 Technical Committee (TC) 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 (e.g. repair and overhaul)
- **Personnel competence** by the IECEx Certification of Personnel Competence Scheme (CoPC)

Through more than 55 IECEx-approved Ex Certification Bodies (ExCBs) in 31 countries, IECEx certification has become the world's single best practice for demonstrating compliance with International Standards. Its credentials include acceptance by end-users – Oil and Gas producers, mining, transportation and many more – and also the recent formal endorsement by the United Nations, through the UN Economic Commission for Europe (UNECE), as the recommended model for regulating the safety of equipment and persons working in areas where the potential for an explosive atmosphere may exist.

All IECEx Certificates issued by ExCBs are in one location at www.iecex.com. If it is not shown on the IECEx website, then the certificate does NOT exist!

2017 IECEx International Conference – Shanghai

The IEC and IECEx, together with Certification and Accreditation Administration of the People's Republic of China (CNCA), in conjunction with UNECE, are organizing the 2017 IECEx International Conference in Shanghai, China and on 11-12 April 2017.

A great networking opportunity

The two-day event is a unique opportunity for industries in the region to not only become better acquainted with IECEx and find out how they can best benefit from the services the System provides, but also to get involved and form precious contacts and networks within the Ex community of experts.

World experts share experience and knowledge

The conference 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 in the region 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.

Get involved, participate in this exclusive event.

Practical information

Admission to the conference is **FREE** of charge with all Attendees receiving an official “**IECEx Certificate of Attendance**”. The conference will be held in Shanghai with details to be included shortly on the official IECEx website.

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. Requests for Invitation Letters for Visa applications and any other local assistance, please contact NEPSI at xujianping@nepsi.org.cn, the IECEx Conference organizer in Shanghai.

Day 1 Programme / 11 April 2017

07:45 – 08:30	Registration
08:30 – 08:40	Welcoming remarks
08:40 – 08:50	Opening Address / Key Note Speech
08:50 – 09:55	Ex Infrastructure in the Region
9:55 – 10:30	Coffee/Tea break
10:30 – 11:45	Address from the UNECE – Conclusions of their Global Study into regulations for the Ex field and presentation of the UNECE findings and publication of the new “Common Regulatory Framework for Equipment used in Environments with an Explosive Atmospheres.
11:45 – 12:30	Overview and Vision of the IECEx International Certification System and the three operational areas: <ul style="list-style-type: none"> • Facilitate World Trade in Equipment and Services • Single On-Line Certificate System • .Whole Life Cycle • Human Factor
12:30 – 14:00	Lunch (<i>lunch will be provided free of charge to facilitate networking opportunities</i>)
14:00 – 14:30	IECEX Recognised Training Provider (RTP) Program <ul style="list-style-type: none"> • Objectives • Experiences • Links to IECEx Certified Persons Scheme
14:30 – 15:00	IECEX Certified Persons Scheme. <ul style="list-style-type: none"> • Process to gain IECEx CoPC Certificate • Value in holding an IECEx CoPC Certificate
15:00 – 15:30	Coffee/Tea break
15:30 – 16:00	IEC International Standards update – Current status of International Standards covering Ex including the new IEC SC 31M Standards dedicated to “non-electrical” equipment and protective systems
16:00 – 17:30	IECEX Certified Equipment Scheme – Overview of the process <ul style="list-style-type: none"> • Benefits to manufacturer • Benefits to Customers and Regulators • Quality System requirements • Tips on how to make applications
17:30	Day 1 Close

Day 2 Programme / 12 April 2017

08:30 – 09:15	Practical approach to Ex installations according to the requirements of IEC 60079-14 and the inspection requirements of IEC 60079-17
09:15 – 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
10:30 – 11:00	Coffee/Tea break
11:00 – 12:00	End User Feedback – An detailed presentation covering the industry needs of the user concerning, day to day operations <ul style="list-style-type: none">• Equipment procurement• Installation / Maintenance / Repair• Competence of people
12:00 – 13:00	Lunch (<i>lunch will be provided free of charge to facilitate networking opportunities</i>)
13:00 – 13:45	Intrinsic Safety – Design principles <ul style="list-style-type: none">• Overview of design principles• Approach to IS assessment• Controls needed in manufacturing IS equipment
13:45 – 14:30	IECEX Equipment Certification – Non Electrical Equipment and the new ISO/IEC 80079 series <ul style="list-style-type: none">• Introduction to the new non electrical (Mechanical) Standards• Design principles• Assessment and testing of Equipment
14:30 – 15:00	Overview of some national or regional Ex verification or approval systems and how use of IECEX facilitates such approvals in addition to providing international certification
15:00 – 15:30	Coffee/Tea break
15:30 – 17.00	Open Forum, to offer all attendees the opportunity to raise questions concerning Ex aspects and IECEX and to consider an industry position concerning Ex and IEC TC 31 Standards and IECEX.
17:00	Close + final remarks

To reserve your place for this important event, please contact the IECEX Secretariat at info@iecex.com