



# 2012 IECEX INTERNATIONAL CONFERENCE

**Equipment and Services in Explosive Atmospheres**

Dubai, 20-21 March 2012

IEC System for Certification to Standards relating to Equipment for use  
in Explosive Atmospheres (IECEX)



# 2012 IECEx International Conference

## Equipment and Services in Explosive Atmospheres

### Dubai, 20-21 March 2012

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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 costly and time-intensive.

As a way to ensure compliance with its International Standards, the IEC established IECEx, the IEC System for

Certification to Standards Relating to Equipment for Use in Explosive Atmospheres.

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

- Equipment – the IECEx Certified Equipment Scheme
- Services – the IECEx Certified Service Facilities Scheme (e.g. repair and overhaul)
- Personnel competence – IECEx Certification of Personnel Competence Scheme (CoPC)

Through more than 50 IECEx approved ExCBs (Ex Certification Bodies) in 30 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 UNECE (UN Economic Commission for Europe), 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: the IECEx website. If it is not shown on the IECEx website, then the certificate does not exist!

## 2012 IECEx International Conference – Dubai

The IEC and IECEx, together with ESMA (Emirates Authority for Standardization & Metrology), in conjunction with UNECE, are organizing the 2012 IECEx International Conference in Dubai, United Arab Emirates, on 20-21 March 2012.

### **A great networking opportunity**

The two-day event is a unique opportunity for industries in the region not only to get 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 GCC

(Gulf Cooperation Council) 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
- . The conference will be held at the Dubai Grand Hyatt Hotel
- . To reserve your place for this important event, send your details to [info@iecex.com](mailto:info@iecex.com)

For more information on IECEx: [www.iecex.com](http://www.iecex.com)

## First day programme / 20 March 2012

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08:30 – 08:40	Opening address Welcome to attendees
08:40 – 08:50	Address by Government Office
08:50 – 09:00	Introduction to ESMA – The organization’s missions, activities and plans
09:00 – 09:55	Outline of current regulations and requirements governing equipment and service providers to Ex areas such as oil and gas installations in the GCC region
9:55 – 10:15	Coffee/Tea break
10:15 – 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 Atmosphere”
11:45 – 12:30	Introduction to the IECEx International Certification System and the three operational areas: <ul style="list-style-type: none"><li>• IECEx Certified Equipment Scheme</li><li>• IECEx Certified Service Facilities Scheme</li><li>• IECEx Certification of Personnel Competence</li></ul>
12:30 –14:00	Lunch
14:00 – 14:45	Live demonstration of the IECEx “On-Line” Certificate System for the instant verification of IECEx certified equipment, certified service providers and certified competent persons
14:45 – 15:30	IECEx System – A user’s perspective, why are the IECEx and its three Schemes covering equipment, services and personnel competence useful to oil and gas producers: <ul style="list-style-type: none"><li>• Technical integrity and compliance</li><li>• User responsibilities</li></ul>
15:30 – 16:00	Coffee/Tea break
16:00 – 16:30	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
16:30 – 17:00	Recap over Day 1 proceedings in light of GCC industry needs
17:00	Day 1 Close
19:00	Dinner – All registered delegates are invited to a hosted dinner

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## Second day programme / 21 March 2012

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08:30 – 09:15	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
09:15 – 10:30	Practical approach to Ex installations according to the requirements of IEC 60079-14 and the inspection requirements of IEC 60079-17
10:30 – 11:00	Coffee/Tea break
11:00 – 12:00	Repair and overhaul of Ex equipment – Explanation of IEC 60079-19 requirements and the IECEx process for assessing a repair workshop's compliance with IEC 60079-19
12:00 – 13:00	Lunch
13:00 – 14:00	IECEx Certification of Personnel Competence Scheme – A detailed explanation and presentation of what defines an Ex competent person and how to obtain an international IECEx Certificate of Personnel Competence (CoPC)
14:00 – 14:30	IECEx Equipment Certification – A manufacturer's perspective of the process and why it is useful to gaining global market access
14:30 – 15:00	Overview of some national or regional Ex verification or approval systems, e.g. ATEX, and how use of IECEx facilitates such approvals in addition to providing international certification
15:00 – 15:30	Coffee/Tea break
15:30 – 16:30	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
16:30	Close + final remarks by ESMA

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To reserve your place for this important event, send your details to [info@iecex.com](mailto:info@iecex.com)

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