



URZĄD DOZORU TECHNICZNEGO



UNITED NATIONS  
ECONOMIC COMMISSION FOR EUROPE

# 2015 IECEx INTERNATIONAL CONFERENCE

**Equipment and Services in Explosive Atmospheres**

Gdańsk, Poland 22+23 April 2015

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

2015 IECEx International Conference

# Equipment and Services in Explosive Atmospheres

## Gdańsk, Poland 22+23 April 2015

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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, 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 50 IECEx approved ExCBs (Ex Certification Bodies) in 33 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 at [www.iecex.com](http://www.iecex.com). If it is not shown on the IECEx website, then the certificate does not exist!

### 2015 IECEx International Conference – Gdańsk

The IEC and IECEx, together with Urząd Dozoru Technicznego (UDT), in conjunction with UNECE, are organizing the 2015 IECEx International Conference in Gdańsk, Poland on 22+23 April 2015.

#### 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**.

. The conference will be held in Gdańsk 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](http://www.iecex.com), or for further information please send all enquiries to [info@iecex.com](mailto:info@iecex.com)

## First Day Programme / 22 April 2015

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 – 10:15	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 Atmospheres
11:45 – 12:30	<p>Overview and Vision of the IECEx International Certification System and the three operational areas:</p> <ul style="list-style-type: none"> <li>• Facilitate World Trade in Equipment and Services</li> <li>• Single On-Line Certificate System</li> <li>• Whole Life Cycle</li> <li>• Human Factor</li> </ul>
12:30 – 14:00	Lunch
14:00 – 14:30	Certification of Personnel Competence (CoPC) – Overview of the process
14:30 – 15:00	<p>IECEX Certified Persons Scheme – Feedback from an IECEx CoPC Person.</p> <ul style="list-style-type: none"> <li>• Process to gain IECEx CoPC Certificate</li> <li>• Value in holding an IECEx CoPC Certificate</li> </ul>
15:00 – 15:30	Coffee/Tea break
15:30 – 16:15	<p><b>IECEX Service Facilities Scheme – Overview and direction</b></p> <ul style="list-style-type: none"> <li>• <b>Schemes within</b></li> <li>• <b>New schemes available</b></li> </ul>
16:15 – 17:15	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
17:15	Day 1 Close

## Second Day Programme / 23 April 2015

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"> <li>• Equipment procurement</li> <li>• Installation / Maintenance / Repair</li> <li>• Competence of people</li> </ul>
12:00 – 13:00	Lunch
13:00 – 13:30	Practical Issues to facilitate Testing and Certification under the IECEx Scheme – Guidance to facilitate efficient testing and assessment, e.g. Application preparation, overview of the process and ways to streamline and reduce delays, e.g. Off-site Testing and traceability from product to certificate.
13:45 – 14:15	IECEX Equipment Certification – A manufacturer’s perspective of the process and why it is useful to gaining global market access.
14:15 – 15:00	Management of Plant Maintenance - Examples of management methods to control plant maintenance procedures and operations: <ul style="list-style-type: none"> <li>• Documentation</li> <li>• Planning</li> <li>• Supervision</li> <li>• IT Tools</li> </ul>
15:00 – 15:30	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
15:30 – 16:00	Coffee/Tea break
16:00 – 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 visit the IECEx website [www.iecex.com](http://www.iecex.com)