



## Workshop for Industrializing Countries

On 20 October, the IEC ran a workshop for industrializing countries on the theme of “Safe use of electrical energy in mining and in the chemical, oil and gas industries”. The event drew a crowd of participants from IEC Affiliates and IEC Member countries. It was co-chaired by IEC Affiliate Leader Carlos Rodríguez and IEC Affiliate Coordinator for Africa Evah Oduor. Click [here](#) to view the detailed programme of the workshop.

After a short introduction by IECEX Chairman Kerry McManama and a presentation of the IECEX Conformity Assessment System by IECEX Executive Secretary Chris Agius, Patrick Leroux, a consultant with [TOTAL](#), the French energy company, gave a presentation on the challenges and solutions for electrical safety in oil and gas industries.



From left, Ralph Wigg, Chris Agius, Kerry McManama, Françoise Rauser, and Patrick Leroux

This was followed by the presentation about the new IECEX Scheme for Certification of Personnel Competencies by Ralph Wigg, Convenor of IECEX WG (Working Group) 12.

An interesting discussion, and interactive question-and-answer session concluded the workshop.

[Patrick Leroux](#)  
[Electrical safety in oil and gas industries: challenges and solutions](#)

[Ralph Wigg](#)  
[Ex environment: Lack of Personnel Competency can be very costly](#)

### About IECEX

**“Risk is a product of the likelihood of an event occurring and the consequences of that event occurring.”**

[IECEX](#), the IEC System for Certification to Standards Relating to Equipment for Use in Explosive Atmospheres, offers three CA (Conformity Assessment) schemes for hazardous areas.

The schemes provide the assurance that equipment and systems are manufactured, installed, operated, overhauled and repaired according to the highest international standards of safety. They promote safe use of equipment in environments where gases, dusts and fumes can lead to loss of life, injuries and economic losses.

IECEX Certificates of Conformity are both standardized and publicly available on the IECEX online certificate system, regardless of which CB (Certification Body) issued it. Online means immediately verifiable.

The IECEX System includes:

[IECEX Certified Equipment Scheme](#)

Provides the assurance that products listed on an IECEX Certificate of Conformity (CoC) conform to the IEC International Standards also listed on the same IECEX Certificate.

[IECEX Certified Service Facilities Scheme](#)

Assesses and certifies that organizations and workshops that provide repair and overhaul services to the Ex industry do so respecting the requirements of IEC International Standard, IEC 60079-19, *Explosive atmospheres - Part 19: Equipment repair, overhaul and reclamation*.

New:

[IECEX Certification of Personnel Competencies Scheme](#)

Provides companies with independent proof that a person holding an IECEX Certificate of Personnel Competency (CoPC) has the qualifications, experience and competency necessary to implement the international Ex standards.

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## RELATED INFORMATION

### IEC links

[2009 Workshop Programme](#)

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### IECEX:

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

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[IECEX Certified Equipment Scheme](#)

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[IECEX Certified Service Facilities Scheme](#)

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[IECEX Certification of Personnel Competencies Scheme](#)

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### External links

[TOTAL](#)

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