



THE STRONGEST LINK.



WHO BENEFITS FROM THE IECEX SYSTEM

SPEAKER

- Prof. Dr. Thorsten Arnhold (Germany)
- VP Technology at R.STAHL
- Since 2014: Chairman of the IECEx System
- Chairman of the German Advisory Board for Conformity Assessment Systems
- Professor for Strategy Development and Safety Technologies in Jena and Heilbronn



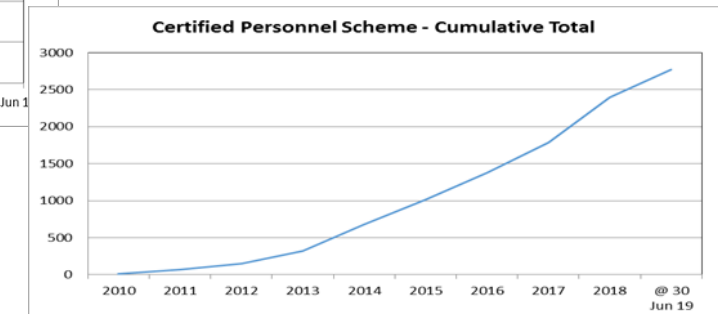
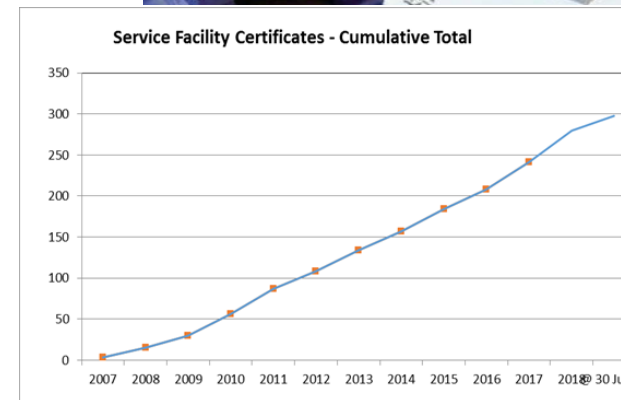
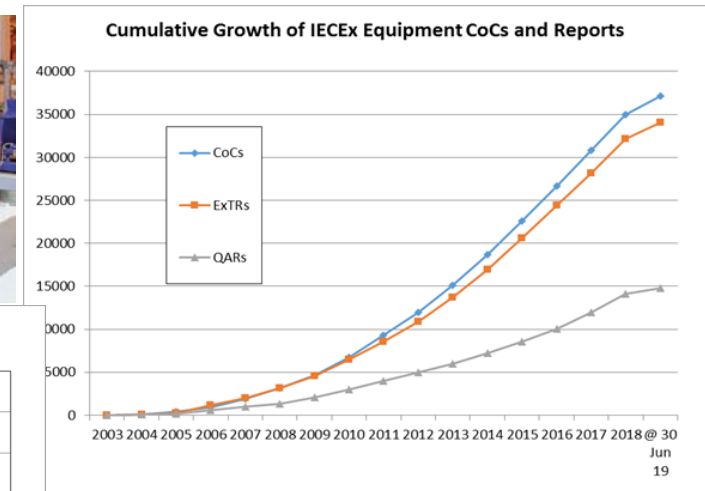
IECEX FACTS

- Conformity Assessment System under the roof of IEC
- 171 member countries and 99% of world population and electricity generation
- IECEx: 35 member countries
- 3 + 1 active schemes:
 - IECEx Certified Equipment Scheme + Conformity Mark Scheme
 - IECEx Certified Service Facility Scheme
 - IECEx Certificate of Personnel Competence Scheme



IECEX FACTS

- > 60 Certification Bodies
- > 70 Test Labs
- 29 Recognized Training Providers
- 88.985 CoCs & Test Reports for Equipment
- 301 Certificates for Service Providers
- 2823 Certificates for Competent Persons



STAKEHOLDERS (CUSTOMERS) OF THE IECEX SYSTEM



End Customers – Process Industry



Manufacturers



Regulators



EPC s



OEMs



Individuals/Experts

IECEX CUSTOMERS: WHAT ARE THEIR PAIN POINTS ?

- **Commercial Pressure** from global competition
i.e costs, outsourcing, globalization, digitalization
- **Public Expectations** concerning price, safety, environment protection, sustainability etc.
- **Pressure from Regulators:** Safety standards, workplace safety, sustainability etc.



END CUSTOMERS/PROCESS INDUSTRY AND EPCS

- want a neutral, competent and consistent evaluation of products, service providers and (potential) employees/experts
- world wide availability and interchangeability of products, systems and machines for hazardous locations
- a wide range of similar products from different manufacturers which enables a reasonable competition
- availability of the most modern technical and technological solutions for the use in hazardous areas



MANUFACTURERS AND OEM - CUSTOMERS

- Want quick, reliable, competent product evaluation for a reasonable price and in a reasonable time frame
- They want to have comparable alternatives for the selection of appropriate Certification bodies and Test Labs
- Don't want any unnecessary double or multiple efforts to achieve market access in any member country of IECEx
- They want to cover all potential dangers in one certificate i.e. electrical and nonelectrical ignition sources
- They need more and more evaluations and certificates for complex solutions for their customer



INDIVIDUALS AND REGULATORS

- Skills, experience and knowledge of all people working in or for hazardous areas are most important for the safety.
- Statistics show that almost all fatal explosion accidents have been caused by lack of knowledge, information, discipline and appropriate organizations.
- For competent people it is important to get a neutral evaluation of their personal assets to get jobs in the process industry or at service providers.
- Regulators want safe workplaces based on the correct application of laws and directives.



IECEX OFFERS: NEUTRAL, COMPETENT AND CONSISTENT EVALUATION OF PRODUCTS, SERVICE PROVIDERS, PERSONS



- **Peer to peer principle:** 40 highly experienced people are working as assessors, evaluating the capabilities of candidate CBs and TLs and supervising the activities of accepted CBs and TLs
- Newly established **IECEX Assessors Group:** Coordination and continuous improvement of the assessment process
- **IECEX office and IECEX compliance officer** are controlling and coordinating all assessment and certification activities.
- Obligatory **proficiency test program** for all ExTLs: Alignment of all IECEX Test activities and results



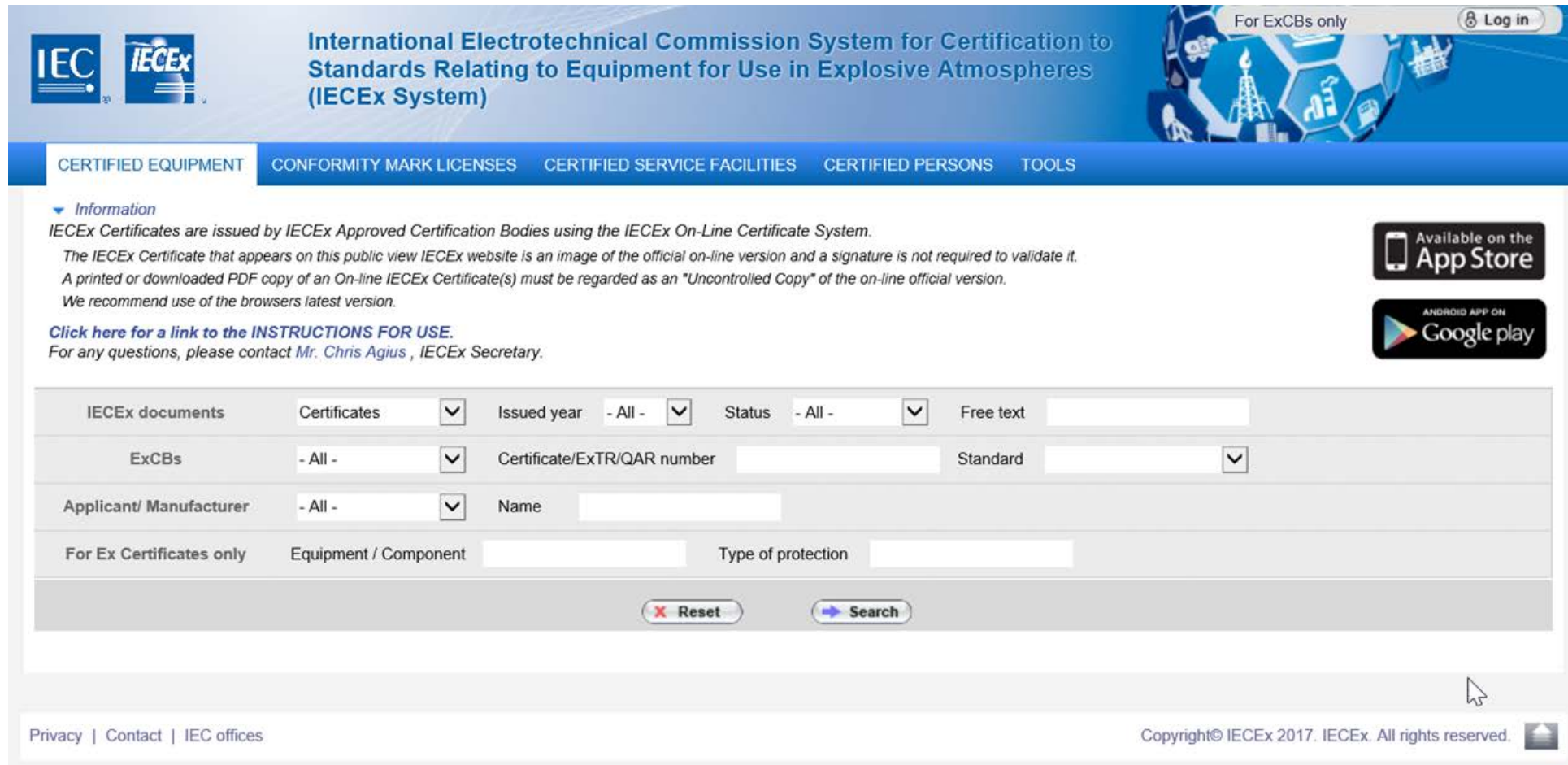
IECEX OFFERS: WORLD WIDE AVAILABILITY AND INTER-CHANGEABILITY OF PRODUCTS, SYSTEMS, MACHINES



- IECEx certificates are formally directly recognized in 4 countries and informally in many other countries.
- The Fast Track program is obligatory for all member countries: Only one IECEx – TR is necessary for the achievement of a National Certificate of any member country.
- Only small national deviations from the relevant IEC TC 31 standards which are exactly defined in the IECEx Bulletin are possible.
- In case of conflicts the IECEx office helps.



IECEX OFFERS: WIDE RANGE OF SIMILAR PRODUCTS FROM DIFFERENT MANUFACTURERS – ONLINE CERTIFICATE DATABASE



International Electrotechnical Commission System for Certification to Standards Relating to Equipment for Use in Explosive Atmospheres (IECEX System)

For ExCBs only Log in

CERTIFIED EQUIPMENT CONFORMITY MARK LICENSES CERTIFIED SERVICE FACILITIES CERTIFIED PERSONS TOOLS

Information
 IECEX Certificates are issued by IECEX Approved Certification Bodies using the IECEX On-Line Certificate System.
 The IECEX Certificate that appears on this public view IECEX website is an image of the official on-line version and a signature is not required to validate it.
 A printed or downloaded PDF copy of an On-line IECEX Certificate(s) must be regarded as an "Uncontrolled Copy" of the on-line official version.
 We recommend use of the browsers latest version.
 Click here for a link to the INSTRUCTIONS FOR USE.
 For any questions, please contact Mr. Chris Agius, IECEX Secretary.

Available on the App Store
 ANDROID APP ON Google play

IECEX documents	Certificates	Issued year	- All -	Status	- All -	Free text	
ExCBs	- All -	Certificate/ExTR/QAR number		Standard			
Applicant/ Manufacturer	- All -	Name					
For Ex Certificates only	Equipment / Component			Type of protection			

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IECEX OFFERS: CERTIFICATES FOR ELECTRIC AND NON-ELECTRIC PRODUCT –(PARTS) AND FOR ASSEMBLIES



- After the publication of the standards IEC 80079 – 36 and -37 IECEx offers the certification of nonelectric (parts of) products.
- Operational Documents OD 280 and OD 005 – 3 are describing the certification process.
- 161 CoC have been published for non – electric equipment
- IEC TS 60079 – 46:2017: Equipment Assemblies
- Since 2018 IECEx is offering certificates for such Assemblies, until now 31 CoCs have been published.



IECEX OFFERS: CERTIFICATES FOR SERVICE PROVIDERS AND COMPETENT PERSONS WORKING IN HAZARDOUS AREAS

- Since 12 years IECEx Certified Service Facility Scheme is successfully working for **Repair facilities** .
- Now we are starting with Certificates for Service Facilities dealing with **Inspection and Maintenance**.
- More than 2800 people got **Certificates of Personnel Competence!**
- This helps the industry to find the right people and it is good for the people to find attractive jobs in the process industry!
- The Recognized Training Provider program gives orientation for the proper selection of training partners. It improves the quality of the training process for safety critical industries.



LAST BUT NOT LEAST: IECEX OFFERS TRANSPARENCY



The screenshot shows the IECEX website homepage. At the top, there is a navigation bar with the IEC and IECEX logos on the left and a menu with items: Information, Publications, Members' Area, Certificates & Licenses, Meeting & Events, Contact, and Home. Below the navigation bar is a 'News Releases' section with three articles:

- Encompassing most industry sectors**
April 2019
Explosive (Ex) atmospheres – also termed hazardous areas/locations – may be...
- Optimizing Ex skills**
March 2019
Safety and health in the workplace, also known as occupational safety, is a...
- Advancing the Sustainable Development Go...**
February 2019
To achieve this, in 2015, United Nations Member States adopted 17 Sustainab...
- Tackling explosion and fire risks**
February 2019
Natural disasters strike at regular intervals on our planet. Every year nat...

On the right side of the page, there is a featured article with a night cityscape background:

2019 Annual Meetings of the IECEX System: Dubai (UAE) to be held on 23 - 27 September 2019

Following the kind invitation received from the IEC National Committee of the United Arab Emirates, the 2019 meetings will take place in Dubai (UAE)

[Link to Meeting & Events page on the IECEX Website, includes General Information, Meeting Registration, Accommodation, & Meeting Documents \(when posted\)](#)

At the bottom of the page, there are three buttons: 'Upcoming Events', 'Quick Links', and 'Featured'.

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