Ex Department Experimental Mine "BARBARA"

Michał Górny, 2014

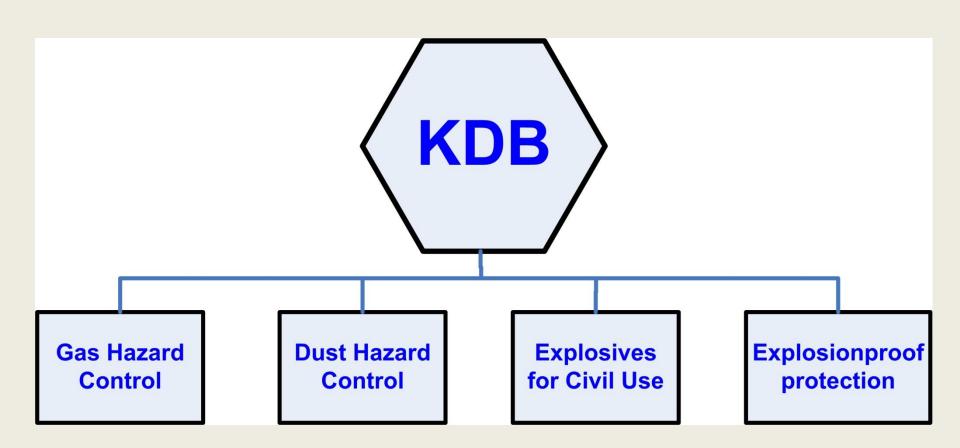
Experimental Mine "BARBARA" the oldest part of Central Mining Institute



Experimental Mine "BARBARA"

- Ex safety since 1925
- Formation of Polish Ex-standards (first Polish standard PN-E 17 dated 1929)
- Polish construction of passive trough barriers
- Testing laboratories the main in Poland
- Certified laboratory according to ISO/IEC 17025 since 1995
- Notified Body (ATEX) no 1453 since 2004
- IECEx (ExCB oraz ExTL) since 2010

Departments of Experimental Mine "BARBARA"



Large scale testing – coal dust explosion



Dust explosion testing



The 5 m³ explosion chamber

The 1 m³ explosion chambers

Explosives testing

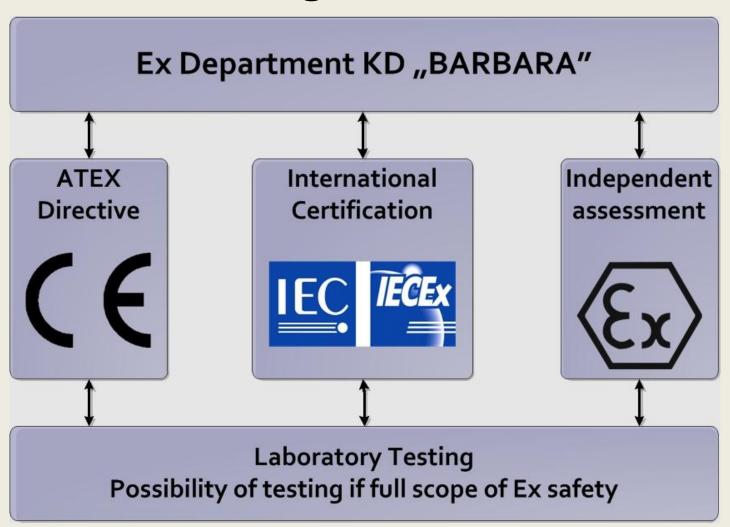




Experimental Gallery

Bunker for explosives testing

Ex department SCOPES + training and science activity



Testing in the years of '30:

DO PRACY W GAZACH WYBUCHOWYCH

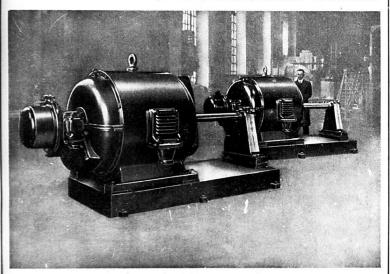
dostarczamy: Silniki 3 fazowe z wirnikiem zwartym Silniki 3 fazowe z wirnikiem

> z pierścieniami ślizgowymi Skrzynki przyłączowe olejowe

wykonane zgodnie z przepisami PNE 17/1937 VDE 0170/1933

oraz według wymogów

Kopalni doświadczalnej BARBARA



Dwa silniki 3 łożyskowe przeciwwybuchowe, z pierścieniami w ognioszczelnej osłonie po 360 KM, wykonane w Żychlinie dla jednej z fabryk chemicznych

Testing in the years of '50:

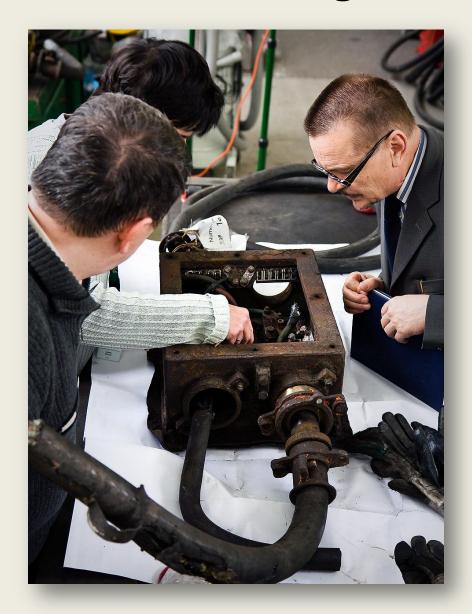


Mechanical Ex-safety:





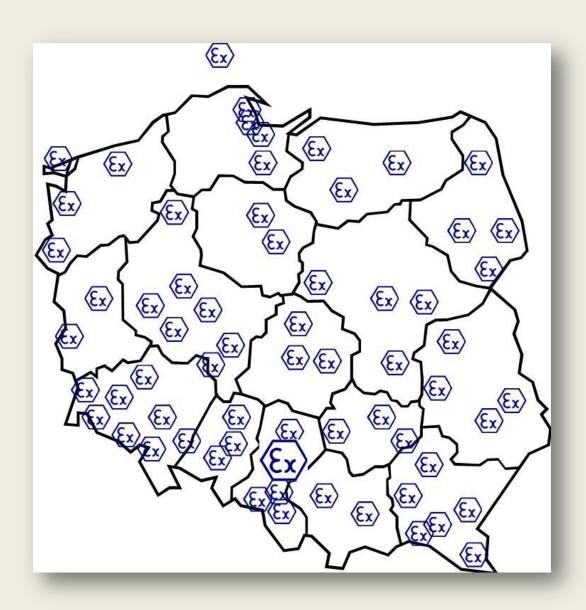
Accidents investigations:



Accidents investigations:



Area of activity:



Personnel

Independent

Impartiality

Confidentiality

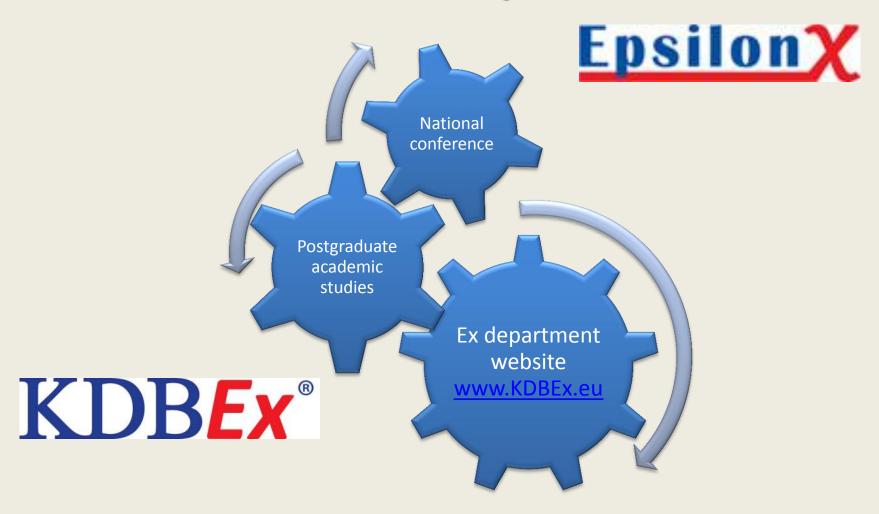
Competency

Experience

Theoretical knowledge

History and tradition

Communication and transfer of knowledge



Cooperation









Polish Committee for Standardization

Committees mirror:

TC31 (IEC/CENELEC) TC305 (CEN) Ministry of Economy

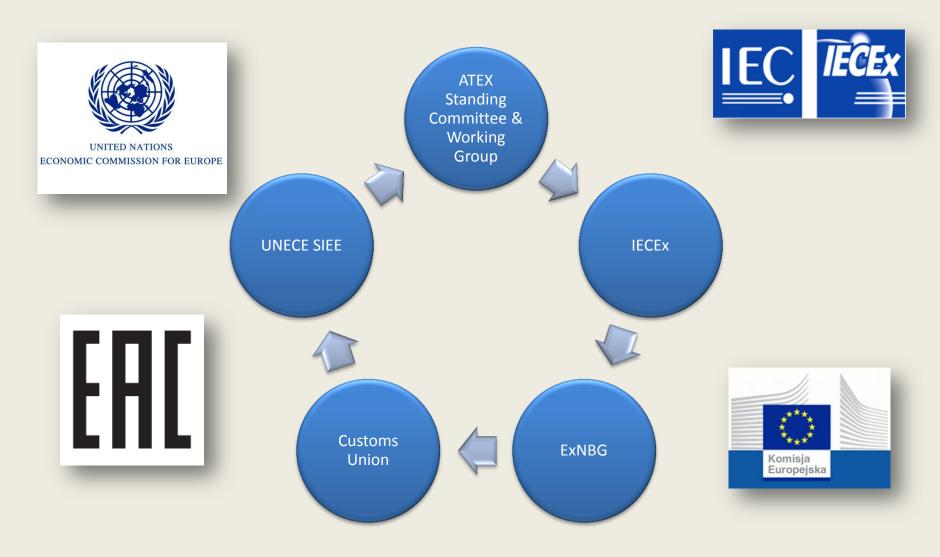
ATEX Standing Committee

ATEX Working Group

Office of Technical Inspection (IECEx MB)

State Mining Authority

International cooperation



Customs Union

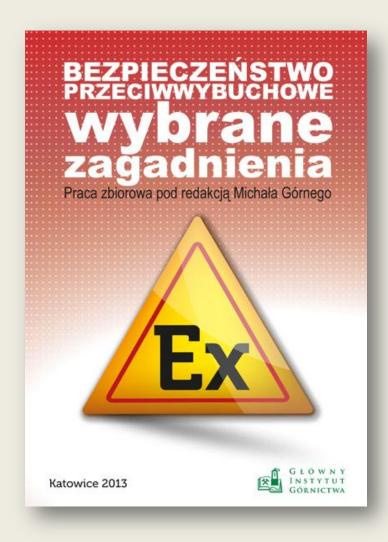






ЕВРАЗИЙСКОЕ ЭКОНОМИЧЕСКОЕ СООБЩЕСТВО

Publications (2013)

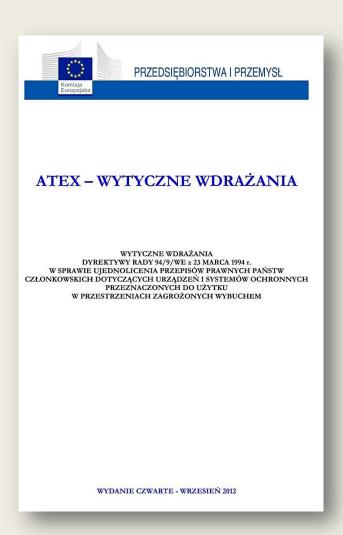


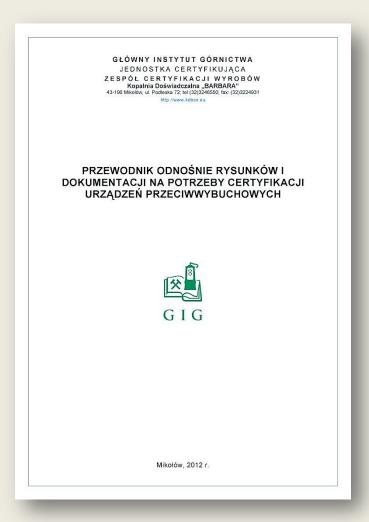
Publication on the website



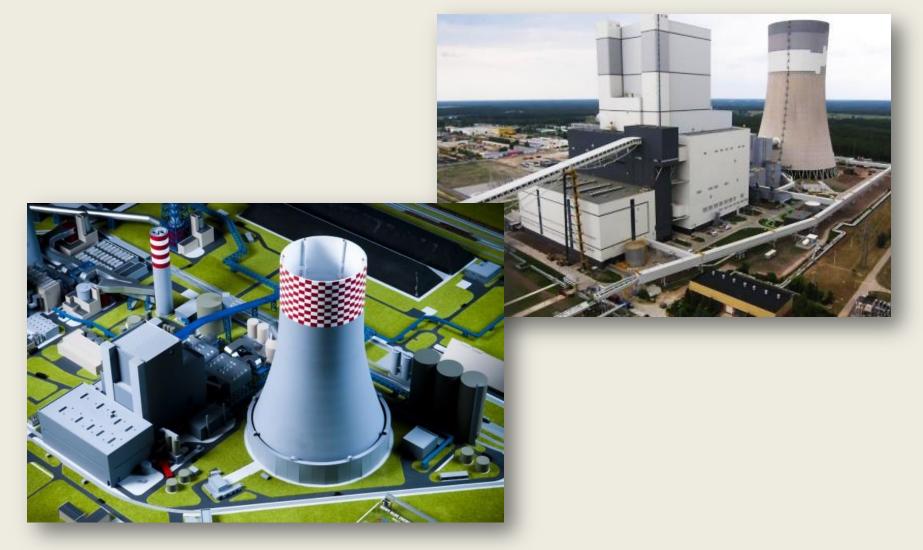
Promotional publications

Publications - guides





Industry - support



Industry - support



Polish Ex safety begins here!

Thank You for attention

www.KDBEx.eu