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“

- Gas Hazard Control
- Dust Hazard Control
- Explosives for Civil Use
- Explosionproof protection
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

Ex Department KD „BARBARA”

ATEX Directive
International Certification
Independent assessment

Laboratory Testing
Possibility of testing if full scope of Ex safety
Testing in the years of ‘30:
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

Ex department website
www.KDBEx.eu

National conference

Postgraduate academic studies
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 (IECEEx MB)

State Mining Authority
International cooperation

ATEX Standing Committee & Working Group

UNECE SIEE

IECEx

Customs Union

ExNBG
Customs Union

ЕВРАЗИЙСКОЕ ЭКОНОМИЧЕСКОЕ СООБЩЕСТВО
Publication on the website

Promotional publications
Publications - guides

ATEX - WYTYCZNE WDRAŻANIA

GŁÓWNY INSTYTUT GÓRNICHTWA
JEDNOSTKA Certyfikująca
ZESPÓŁ CERTYFIKacji WYRÓBÓW
Kopalnia Doświadczalna „BARBARA”
43-100 Mikołów, ul. Puszczyńska 72 tel.: (32) 324 26 50; fax: (32) 324 26 31
http://www.higek.eu

PRZEWODNIK ODNOŚNIE RYSUNKÓW I
DOKUMENTACJI NA POTRZEBY Certyfikacji
URZĄDZEŃ PRZECIWWEBUCHOWYCH

G & G

Mikołów, 2012 r.
Industry - support
Industry - support
Polish Ex safety begins here!
Thank You for attention

www.KDBEx.eu