Coal industry across Europe – the Hungarian experience

3rd EUROPEAN COAL DAYS
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Coal in Europe, 2011

Source: EURACOAL

Note: the bars show million tonnes of coal equivalent (Mtce) while the figures at the top of the bars refer to millions of physical tonnes (Mt).
Coal-fired power generation in the EU, 2010

Average coal share of 27% in EU-27 power generation

Source: EUROSTAT database nrg_105a, updated 24 May 2012

* coal includes coal products
** coal figures include peat
Electricity and coal production in Hungary, 2011

**Domestic power supply, 2011**

- Nuclear: 44%
- Coal (mainly lignite): 18%
- Gas: 30%
- Oil: 0.3%
- Hydro: 1%
- Other: 7%

**Installed capacity** ~10,110MW

**Net power supply** 33.8TWh

**Additional imports** ~15%

**Coal production 2011**

- Mátrai Erőmű Zrt.: 8.8Mt
- Vértesi Erőmű Zrt.: ~0.75Mt
- Production 2011: 9.5Mt

Sources: Hungarian Energy Office and own data
MÁTRA 's Visonta power plant

Dry-cooling tower with internal flue-gas desulphurisation system

6.5TWh gross power generation (2011)

Latest investment: commissioning of two topping gas turbines (33MW) in 2007
MÁTRA's opencast mines

Approved mining fields suffice for more than 50 years of operation; deposits will even last for more years

8.8Mt coal production (2011)

Latest investment: world's largest compact bucket-wheel excavator
Investments and developments in recent years form basis for the future

- Thanks to the implementation of various measures, lignite-based power generation at Mátra is competitive and important for the Hungarian market
- Technology associated with mining and the use of lignite is highly developed and efficient
- Domestic lignite is available in the long term and can be reliably mined at low and predictable costs
- Mátras aim is to maintain lignite’s position and create long-term regional wealth from the deposits - politicians must create a framework that allows further development
Thank you very much for your attention!