

TEDOM company and its representatives CHP manufacture



TEDOM is one of Europe's premier CHP manufactures in the field of small-scale cogeneration. Currently TEDOM exports its products to more than 40 countries in the world – from Australia through China, Russia and the whole of Europe up to the Americas. By the end of 2008 the number of manufactured and sold TEDOM CHP units reached 2000 with total installed output of all units close to 500 MW. TEDOM CHP units using for running besides natural gas also alternative fuels such as biogas, landfill gas, gas from water treatment plants or mine gas. Because of TEDOM's long-term experience with CHP installations around the world, we are very flexible in meeting our clients' different requirements. Also, in co-operation with our representatives we work to arrive at the best solution according to specific local conditions.

TEDOM in the World



TEDOM s.r.o., Výčapy 195, Třebíč, Czech Republic, www.tedom.eu
The list of TEDOM representatives, in your country, is available at www.tedom.eu

TEDOM

technology
... in harmony
with nature

ENERGY UTILIZATION OF MINING GAS



ISO 9001

ISO 14001

POWER RANGE UP TO 2000 kW



Methane in coal seams

Methane the main component of coal mine gas is one of the harmful gases whose emissions can negatively influence global warming.

Major sources of methane can be active coal mines or areas where mining operations have already been abandoned. Coal mine methane is not just a source of threat, it provides a significant source of energy.

installations

Installations in Europe



Mine KWK Szczygłowice, Poland
TEDOM Quanto D2000 SP CON (2009)
Electrical output - 1946 kW
Heat output - 1937 kW



Mine KWK Sośnica-Makoszowy, Poland
TEDOM Quanto D2000 SP CON (2009)
Electrical output - 1946 kW
Heat output - 1937 kW

Merits of TEDOM CHP units:

- utilization of methane production from degasifying plants
- protection of population in areas with abandoned coal production - mining gas exhaustion from underground placed in residential area
- protection of the environment against the effects of greenhouse gases - reduction of CO₂ via methane combustion
- saving in primary sources - heat and power generation in terms of mining gas utilization

Installations in the Czech Republic



OKD DPB Paskov, Czech Republic
TEDOM Quanto D1600 SP CON (2007)
Electrical output - 1555 kW
Heat output - 1640 kW



OKD DPB Orlová, Czech Republic
TEDOM Quanto D770 SP CON (2007)
Electrical output - 774 kW
Heat output - 751 kW

Installations in the Czech Republic



OKD DPB Vrbsice, Czech Republic
TEDOM Quanto D580 SP CON (2005)
Electrical output - 580 kW
Heat output - 555 kW



OKD DPB Chlebovice, Czech Republic
TEDOM Quanto D770 SP CON (2006)
Electrical output - 774 kW
Heat output - 751 kW

TEDOM project on mining gas realized in the Czech Rep.

General overview in 2005 - 2012

Total number of TEDOM CHP units:	30 pieces
Total installed electrical output:	40 MW
Total output of TEDOM CHP units:	320 TWh of electricity per annum
Total emission reduction per year:	1.315.784 tonnes CO ₂

Till end of 2008 was realized:

Number of TEDOM CHP units:	17 pieces
Installed electrical output:	20 MW

Schedule for 2009 - 2012 stage:

Number of TEDOM CHP units:	13 pieces
Installed electrical output:	20 MW