

## TEDOM CHP UNITS IN BOILER ROOMS AND DISTRICT HEATING PLANTS

Boiler rooms, energy centres and district heating plants are probably the most typical places for the introduction of CHP units. The CHP units bring their users a stability in their business enterprise as well as a quick return of investment.

### „NA BRADLE“ BLOCK BOILER ROOM, SVĚTLÁ NAD SÁZAVOU, CZ



Reconstruction of the „Na Bradle“ boiler room was included in the Central heating system modernization in Světlá nad Sázavou. General improvement of the boiler room's heat power was solved in this project because of another source of heat in the city has to be closed down. Among others, TEDOM Quanto D2000 CHP unit with two heat accumulation tanks of 2 x 100 m<sup>3</sup> volume was installed in the boiler room.

### Basic information on the installed unit

CHP unit type	1 x Quanto D2000
Fuel	Natural gas
Electrical output	2 014 kW
Heat output	2 161 kW
Annual heat production	23 000 GJ
Annual power production	6 000 MWh
Year of installation	2009
Place of installation	Světlá nad Sázavou, Czech Republic

### Benefits of TEDOM cogeneration unit

Installation of the CHP unit allowed preservation of the low costs for heat consumers even though the fuel costs were increased. At the same time, it allowed the user to realize the profit necessary to pay off the investment into modernization and maintenance of the entire Central heating system.

# SELECTED REFERENCES FROM THE AREA OF BOILER ROOMS AND CENTRAL HEATING SYSTEMS



## **CHS Svitavy, CZ**

CHP unit type: Quanto D2000  
Electrical output: 2000 kW  
Year of installation: 2013



## **CHS Votice, CZ**

CHP unit type: Quanto D580  
Electrical output: 580 kW  
Year of installation: 2011 - 2012



## **CHS Svit, Slovakia**

CHP unit type: 6x Quanto D2000  
Electrical output: 12 MW  
Year of installation: 2010 - 2012



## **POWGEN Project, CZ CHS Děčín, Louny, Opava, Studénka**

CHP unit type: 9x Quanto D580 - D2000  
Electrical output: 13,5 MW  
Year of installation: 2009 - 2010

## Other references:

- Quanto D1600, CHS Krupka, 2013, CZ
- Quanto D2000, CHS Svitavy, 2013, CZ
- Quanto D1200, Boiler room Chropyně, 2013, CZ
- Quanto D1200, Boiler room Lipník n. Bečvou, 2012, CZ
- Quanto D1600, Boiler room Snina, 2012, SK
- Quanto D580, CHS Humpolec, 2011, CZ
- Quanto C1000, Heating plant Vitěbsko, 2010, BY
- 3x Quanto C400, Boiler room Moskva, 2009, RU
- 4x Cento T160, Boiler room Malachovka, 2009, RU
- Cento T160, Heating plant Jonava, 2009, LT
- 2x Cento T160, Boiler room Brest, 2009, BY
- 4x Cento T250, Heating plant Ogre, 2008, LV
- 3x Quanto C1000, Boiler room Blonie, 2008, PL
- Quanto D2000, CHS Jihlava, 2009, CZ
- 4x Quanto T300, Heating plant Rostov na Donu, 2009, RU