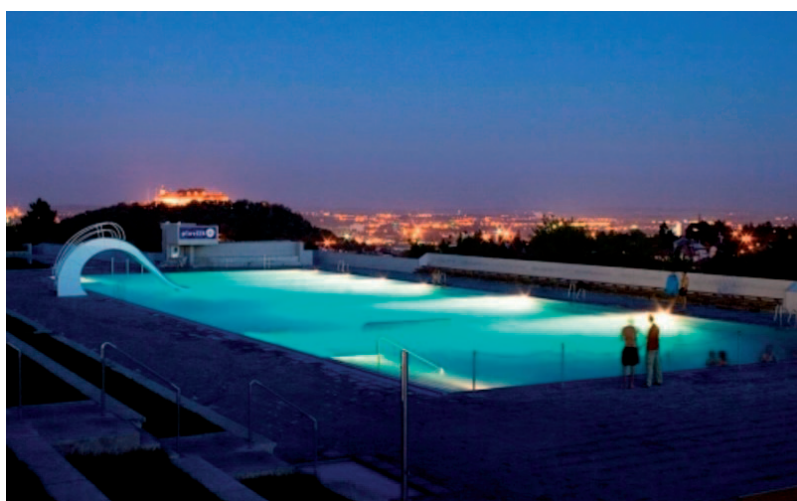


COGENERATION UNITS IN AQUAPARKS AND SWIMMING POOLS

Swimming pools and aquaparks are typical places where cogeneration units are particularly effective. They can significantly reduce these facilities' energy costs, as tens of TEDOM cogeneration units installed in Czech as well as foreign swimming pools and aquaparks prove.

SPORT CENTER KRAVÍ HORA, BRNO, CZECH REPUBLIC



The summertime swimming facility in Kraví hora, originally built in the 1960's, is because of its placement and surroundings one of the best recreation/relaxation facilities in Brno.

The reconstruction of the facility which included the deployment of cogeneration units was finished in 2004.

Basic Information on the Installed Unit

CHP unit type	Cento T100
Number of units	2
Fuel	natural gas
Electrical output	2 x 100 kW
Heat output	2 x 161 kW
Annual heat production	4 400 GJ
Annual power production	750 MWh
Year of installation	2004
Place of installation	Brno - Kraví Hora, CZ
Investor	City of Brno

Benefits of TEDOM cogeneration unit

The aqua park produces power for all of the swimming pools by deploying a device that copies power consumption. Thus, there is no surplus power to sell. All of the heat is used for heating both swimming pools and the aqua park facility. The energy savings with this installation are around tens of thousands euro per year.

Based on evaluation and assessments carried out by the customer, it was revealed that the intended goals of the project were all achieved, and thanks to support of cogeneration alternative energy in the Czech Republic, it is a very successful project.

SELECTED REFERENCES FROM POOLS AND AQUAPARKS



Water paradise Jihlava, CZ

CHP unit type: 4 x Premi 22 AP
Electrical output: 4 x 22 kW
Year of installation: 2001



Aquapark Babylon, Liberec, CZ

CHP unit type: 1 x CAT 260 SPE
Electrical output: 1 x 260 kW
Year of installation: 2001



Aquapark Čestlice, Praha, CZ

CHP unit type: 2 x Quanto C400 SP
Electrical output: 2 x 400 kW
Year of installation: 2008



Aquapark Bohumín, CZ

CHP unit type: 2 x Cento T100 SPE
Electrical output: 2 x 100 kW
Year of installation: 2004

Other references:

- Micro T30 - Albelda, Spain
- Cento T80 SP - Monkstown pool, Dublin, Ireland
- Cento Z 77 SPE - Velichov spa, CZ
- Cento 170 SPE - swimming pool Vyškov, CZ
- MT 140 SP - swimming pool B. Bystrica, Slovakia
- Plus 22 AP - swimming pool Metz, France
- Premi 22 AP - swimming pool Lučenec, Slovakia
- Premi F22 AP - swimming pool Boskovice, CZ
- Micro T25 AP - swimming pool Noor, Italy
- MT140 SPE - swimming pool Horažďovice, CZ
- Plus 22 AP - swimming pool Entrepagny, France
- Plus 22 AP - swimming pool Prachatice, CZ
- Plus twin 88 AP - swimming pool Eibar, Spain
- CAT 1000 SPE - spa Assy Baškinenergo, Russia