

# TEDOM COGENERATION UNITS IN HOTELS AND PENSIONS

Hotels and pensions 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 hotels and pensions prove.

## HOTEL SPLIT, KADAŇ, CZECH REPUBLIC



The aim of the project was to assure energy-saving operation of the newly built hotel. Additionally, the energy source should supply power in an emergency, i.e., in the case of a blackout. In view of the hotel's energy requirements, a Micro T30 SPE TEDOM CHP unit in the synchronous version was selected. This CHP unit's switchboard and control system allow the needed emergency operation.

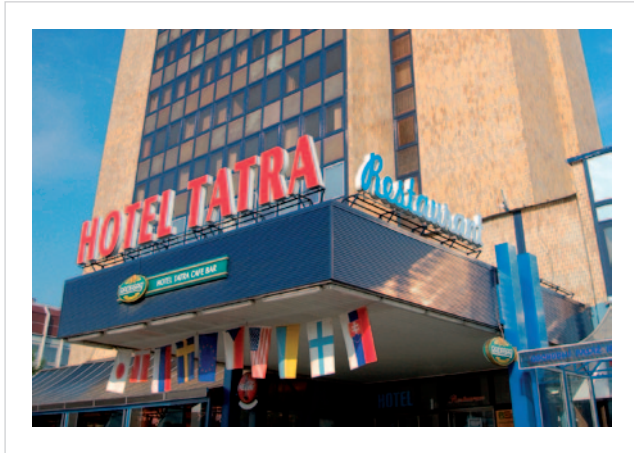
### Basic Information on the Installed Unit

CHP unit type	Micro T30
Number of units	1
Fuel	Natural gas
Electrical output	30 kW
Heat output	62 kW
Annual heat production	400 GJ
Annual power production	60 000 kWh
Year of installation	2011
Place of installation	Kadaň, CZ
Investor	JOEL s.r.o.

### Benefits of the TEDOM cogeneration unit

The CHP unit is used to covering the hotel's power consumption, whereas surplus power is sold into the grid. The heat from the CHP unit is utilized for heating the hotel, preparing hot water, and heating the hotel's swimming pool. Even the gas boiler is used for heating in the winter season. The customer will gain significant savings, compared to the solution without any CHP unit, that is, when only gas boiler is used and all power is purchased from the grid.

## SELECTED REFERENCES FROM HOTELS, MOTELS AND PENSIONS



### **Hotel Tatra, Kopřivnice, CZ**

CHP unit type: 3 x Micro T30 AP  
Electrical output: 90 kW  
Year of installation: 2011



### **„Posenhofen Youth Hotel“, Germany**

CHP unit type: Premi 22 SPE  
Electrical output: 22 kW  
Year of installation: 2001



### **Masia Los Barancos Hotel, Teruel, Spain**

CHP unit type: 2 x Micro T25 SP  
Electrical output: 50 kW  
Year of installation: 2008



### **Brigittenau Campus, Vienna, Austria**

CHP unit type: Cento T80  
Electrical output: 77 kW  
Year of installation: 2009

### Other references:

- Plus 22 AP, Hotel Victoria, Plzeň, CZ
- Cento T160 S, Hotel Soči, Krasnaja Polana, RU
- Premi F25 AP, Hotel Tell, Gisikon, CH
- Cento T100 SPE, Hotel Sanssouci, Karlovy Vary, CZ
- Premi S22 AP, Hotel Weißes Ross, Memingen, DE
- Plus 22 SPE, Hotel Donovaly, Donovaly, SK
- Cento L150, Hotel Imperial, Karlovy Vary, CZ
- Premi S22 AP, Hotel Walserhof, Wasserburg, DE
- Plus 22 AP, Hotel Slavia, Třebíč, CZ
- Twin 22 AP, Hotel Lev, Levice, SK
- Plus 22 AP, Hotel Európa, Komárno, SK
- Premi S22 AP, Hotel Sport, Znojmo, CZ
- Plus twin 22, Grandhotel Praha, Tatranská Lomnica, SK
- Cat 260 SP, Hotel Oskol, Kroměříž, CZ