

Vindobona Hostel, Vienna, Austria

Installations in hotels and motels

Main CHP plant indicators

Electrical capacity (total)	KW _{el}	77
Heat capacity (total)	KW _{el}	122
Technology	Motor engine	
No. of units	1	
Manufacturer	TEDOM a.s.	
Type of Fuel	Natural gas	
Electricity: yearly generation	GWh	0,66
Heat: yearly generation	GWh	1,04
Year of construction	2009	
Total investment costs	EUR	
Financing		
State support		
Location	Vienna, Austria	

General description of the case

The Vindobona complex in Vienna offers accommodation to students and is run by a non-profit organisation. Hosting more than 1.000 students in 512 rooms, the building is faced with a constant demand for electricity, hot water and heating water.

The cogeneration unit of TEDOM runs on natural gas and supplies heat and electricity to the entire student accommodation. The decision to choose cogeneration was based on their requirements: a high-quality and reliable system which can produce energy during the whole day and throughout the year.

Success factors

Cogeneration technology delivers cheaper heat, power and hot water to the building. The student accommodation has become self-reliant and uses the generated energy for its internal needs. The use of cogeneration also has a positive impact on the environment as it reducing yearly CO₂ emissions with 350 tonnes.

Picture

