

CHP 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 many hotels and pensions prove.

THE CELTIC MANOR RESORT, WALES



The Celtic Manor, five-star resort complex in Newport, Wales, which hosted 2014's NATO summit and 2010's Ryder Cup golf tournament powers and heats its four hotels and extensive grounds with two TEDOM Cento T200 CHP units.

The Celtic Manor Resort is set in more than 2,000 acres of panoramic parkland at the gateway to Wales. With three hotels – a 334-room luxury Resort Hotel, a historic 19th Century Manor House with 67 rooms, and an additional 148-bedroom hotel.

Basic Information on the Installed Unit

CHP unit type	Cento T200
Number of units	2
Fuel	Natural gas
Electrical output	400 kW
Heat output	506 kW
Annual power production	2 175 000 kW
Annual heat production	2 580 000 kW
Year of installation	2016
Place of installation	Newport, Wales, United Kingdom

Benefits of the TEDOM cogeneration unit

This project was secured, delivered and commissioned by Shentongroup, the official distributor of TEDOM CHP units across the UK and Ireland. EuroSite Power, an On-Site Utility solutions provider, owns and maintains the CHP system and sells its power to Celtic Manor, under the terms of a 15-year agreement. The 400 kW CHP system produces up to 2,174,960 kW_e and 2,579,990 kW_{th} per year while saving up to 751 tonnes of carbon dioxide.

SELECTED REFERENCES FROM HOTELS AND PENSIONS



Hotel Castello di Casole, Italy

CHP unit type: Cento M70
Electrical output: 70 kW
Year of installation: 2016



Hotel am Spisertor, St. Gallen, Switzerland

CHP unit type: 2x Micro T30
Electrical output: 60 kW
Year of installation: 2016



Hampton Hotel by Hilton, Istanbul, Turkey

CHP unit type: Cento T200
Electrical output: 200 kW
Year of installation: 2015



Hill House Hotel, Helensburg, Scotland

CHP unit type: Cento M70
Electrical output: 70 kW
Year of installation: 2016

150+ other references:

- Micro T33, Hotel Savannah, Znojmo, CZ
- Micro T50, Locke Apart-Hotel, London, UK
- Micro T25, BW Premier Alsterkrug hotel, Hamburg, DE
- Micro T20, Shebourne House, Attleborough, UK
- 2x Micro T30, Hotel Galaxie, Prague, CZ
- 2x Micro T30, Hotel Panorama, Prague, CZ
- Micro T30, Šport & Wellness Center Harmonija, Mengeš, SLO
- Micro T50, Panorama hotel, Oberwiesenthal, DE
- Micro T30, Familienhotel Seetal, Kaltenbach, AT
- Cento M70, Hill House, Helensburgh, UK
- Cento T120, hotel Atlantis, Brno, CZ
- Cento T120, Geothermal hotel, Rome, IT
- Cento T200, Wellness hotel Svornost, Harrachov, CZ
- Cento T100, Castello del Nero Hotel & Spa, Tavarnelle Val di Pesa, IT