

CHP UNITS IN RETIREMENT HOMES AND NURSING HOMES

Retirement homes and nursing homes are suitable places where CHP technologies can be installed and used. These buildings consume a lot of energy and heat (considering the fact that some institutions have pools, whirlpools etc.). In addition, CHP units are also used as backup power sources in the event of power outage.

NURSING HOME, KYNŠPERK NAD OHŘÍ, CZ



The main aim of nursing homes is to provide year-round services, help and assistance to persons in life-affecting social situations via social services. These persons include the elderly, handicapped or people who require special daily regime or who are unable to take care of themselves without other people's help.

The goal of the nursing home in Kynšperk nad Ohří was to reduce energy costs as much as possible. The Tedom company installed in the building a CHP unit Micro T30 AP which is operated 16 hours a day, 365 days a year.

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	1 286 GJ
Annual power production	208 800 kWh
Year of installation	2011
Place of installation	Kynšperk nad Ohří, CZ

Benefits of TEDOM cogeneration unit

Having had the CHP unit installed, the client was able to significantly reduce energy and heat costs. The CHP unit covers two-thirds of the overall electricity consumption.

SELECTED REFERENCES FROM RETIREMENT HOMES AND NURSING HOMES



Retirement home, Kvasice, CZ

CHP unit type: Micro T25 SPE
Electrical output: 25 kW
Year of installation: 2008



Retirement home, Dobrá voda, CZ

CHP unit type: Cento T80 SPE
Electrical output: 80 kW
Year of installation: 2007



Nursing home, Slatiňany, CZ

CHP unit type: Premi S22 AP
Electrical output: 22 kW
Year of installation: 2005



Retirement home, Prachatice, CZ

CHP unit type: Plus 22 AP
Electrical output: 22 kW
Year of installation: 2002

Other references:

- Cento T75 SPE, Retirement home, Hodonín, CZ
- Plus 22 AP, Retirement home, Prachatice, CZ
- Plus 22 AP, Nursing home, Brno-Kociánka, CZ
- Plus 22 AP, Retirement home, Anenská Studánka, CZ
- Plus 22 AP, Nursing home, Brno, CZ
- Plus 22 AP, Retirement home, Velký Újezd, CZ
- Plus 22 AP, Nursing home, Kyjov, CZ
- MT 75 SPE, Nursing home, Mačkov, CZ
- MT 100 SPI, Youth detention center, Černovice, CZ
- MAN 65 SP, Nursing home, Slatiňany, CZ
- MT 100 AP, Nursing home, Chvalkovice, CZ
- MT 22 SPA, Retirement home, Kechnec, SK
- MT 22 SP, Retirement home, Červená Voda, CZ
- MT 45 SP, Retirement home, Rokytnice n. Jiz., CZ
- Plus 22 AP, Retirement home, Frýdlant n. Ostr., CZ