

# Ospedale Policlinico di Milano

## Health

### Main CHP project indicators

Heat capacity (total)	MW <sub>th</sub>	2,8
Electrical capacity (total)	MW <sub>el</sub>	3
Technology	Motor engine	
No. of units	2	
Manufacturer	Jenbacher	
Type of Fuel	Natural gas	
Heat: yearly generation	GWh	16
Electricity: yearly generation	GWh	13
Year of construction	2010	
Total investment costs	EUR	2 Mio
Financing	Contracting	
State support	Project financing 9 years by ESCO Siram Spa	
Location	Milan	

### General description of the case

Trigeneration plant with 1 MW absorption chiller with black-out emergency function to guarantee greater electrical continuous supply.

### Success factors

Reduction of CO<sub>2</sub> emission equal to 837 ton/year.

Energy saving equal to 1060 MWh/year.

The SIRAM plant integrates a system for the abatement of NO<sub>x</sub> by means of a SCR (Selective Catalytic Reduction) system.

### Main barriers

Great care has been taken to overcome the difficulties arising from the insertion of the plant in an urban context inside the hospital premises (already existing and operating and generally very old and historical).

Delays for administrative and authorisation practices (fire, ambient, fuel customs, etc.)

### Conclusions

After a rather long commissioning and running, the plant is providing very good result in terms of global energy saving.

### Picture

