

## Casalgrande Padana

### Ceramic industry

#### Main CHP project indicators

Heat capacity (total)	kW	12.500
Electrical capacity (total)	kW	6.000
Technology	Gas turbine	
No. of units	1	
Manufacturer	Solar	
Type of Fuel	Natural gas	
Heat: yearly generation	MWh	100.000
Electricity: yearly generation	MWh	48.000
Year of construction	2009	
Total investment costs	EUR	-
Financing	Contracting	
Location	Reggio Emilia, Italy	
Information	<a href="http://www.cefla.com/it/business-units/impianti/referenze/impianti-di-produzione-energia/cogenerazione/ceramica-casalgrande-padana-modena">http://www.cefla.com/it/business-units/impianti/referenze/impianti-di-produzione-energia/cogenerazione/ceramica-casalgrande-padana-modena</a>	

#### Picture



#### General description of the case

Cefla has designed, supplied and installed the plant based on a gas turbine with its heat recovery from exhaust.

The natural gas turbine is about 6 MWe electrical power, partly consumed internally by the establishment and partly put in electric network. There is a natural gas compression system before turbine combustion chamber to increase the pressure of the system. All the exhaust are recovered inside three ceramic tiles spray-drier.

Long term maintenance programme:

- Ordinary scheduled maintenance on Solar T65 gas turbine and auxiliary equipment,
- Spare parts and consumable materials,
- On-call after-sales service,
- On-call 24 hours operations and for constant all-year round supervision at site within 24 hours from the phone call.

#### Success factors

Main success factors are:

- Cefla experience in CHP Plants,
- Maintenance service.

#### Conclusions

CHP plants for ceramic sector are widespread in Italy, we suggest the same application in the other Countries.