

Country: **Italy**

Total number of plants: 1
with co-firing: 0
fossil fuels for co-firing:

Locations (+database No.):

Rovato (104).

Year of construction	No.	
before 1995	0	0 %
1995 - 2000	0	0 %
after 2000	0	0 %
unknown	1	100 %

Type of power generation	No.		Fuels	No.*	
Steam turbine:	0	0 %	Woodchips (forest residues):	0	0 %
Steam engine:	0	0 %	Woodchips (saw industry):	1	100 %
Organic rankine cycle:	1	100 %	Paper sludge:	0	0 %
Stirling engine:	0	0 %	Waste wood:	0	0 %
Hot air engine:	0	0 %	Bark:	0	0 %
Gas engine:	0	0 %	Peat:	0	0 %
Gas turbine:	0	0 %	Straw:	0	0 %
Other (or n.a.):	0	0 %	Other (or n.a.):	0	0 %

Character of plants	No.		Electric power	No.	
Testing plants:	0	0 %	<1MW:	1	100 %
Pilote plants:	0	0 %	1MW - <5MW:	0	0 %
Demonstration plants:	1	100 %	5MW - 20MW:	0	0 %
Commercial plants:	0	0 %	>20MW:	0	0 %
unknown:	0	0 %	unknown:	0	0 %

*) double counting possible because some CHP plants might use more than one fuel

Name: CHP Cogeme Spa

Database No. 104

Basic Info	
Country:	Italy
Location:	Rovato
Character of plant:	Demonstration plant
Owner:	Cogeme Spa
Contact Person:	Ing. Fontana
Telephone:	+30/ 77141
Fax:	n.a.
email:	n.a.
webpage:	n.a.
Year of construction:	n.a.

Technology		Fuel	
Type of power generation:	Organic rankine cycle	Total fuel input:	n.a. t/a
Electric power:	1 MW _{el}	Tot. lower heating value:	n.a. kWh/kg
Thermal power:	n.a. MW _{th}	Moisture content:	n.a. % wet
Co-firing:	N		
Fuel conversion:	Combustion	Type of fuel 1:	Woodchips (saw industry)
Annual production electricity:	n.a. GWh/a	Share of fuel 1:	100 %
Annual production heat:	n.a. GWh/a	Input of fuel 1:	n.a. t/a
Electric efficiency:	n.a. %		
Thermal efficiency:	n.a. %	Type of fuel 2:	-
Total efficiency:	- %	Share of fuel 2:	- %
Ratio electricity/ heat:	-	Input of fuel 2:	- t/a
Fuel power:	n.a. MW _{fuel}		
<i>Boiler (if steam technology)</i>		Type of fuel 3:	-
Steam mass flow:	- t/h	Share of fuel 3:	- %
Steam temperature:	- °C	Input of fuel3:	- t/a
Steam pressure:	- bar		

Costs		Emissions	
Investment costs:	n.a. Mio €	CO:	n.a. mg/Nm ³
Spec.investment costs (elec):	n.a. Mio€/MW _{el}	NO _x :	n.a. mg/Nm ³
Fuel costs:	n.a. €/t	Particles:	n.a. mg/Nm ³
Subsidies:	n.a. Mio €	C _x H _y :	n.a. mg/Nm ³
Number of employes:	n.a.	SO ₂ :	n.a. mg/Nm ³

Source:

TU-Graz: "Analyse und Systematisierung existierender und vorgesehener KWK-Anlagen", 2001

n.a.... not available