BERTSCHenergy

Power plants
Process equipment

95 YEARS

TRADITION
QUALITY
KNOW-HOW
SINCE 1925

Combined heat and power plant Schweighofer - Reci

Reference Sheet

BERTSCH

TRADITION, QUALITY, KNOW-HOW. SINCE 1925

» CHP plant for untreated biomass – Commissioning 2nd quarter 2016«

The CHP Plant in Reci, Romania serves the purpose of generating heat and electrical power and the disposal of bark at the production location. Any excess capacity of generated electricity is fed into the public energy grid. To cover the peak demand for heat and to grant a back-up for maintenance, an additional hot water boiler is installed.

The fuel is burned via grate furnace which is integrated within the HP-Steam-Generator. The conversion of high pressure steam into electricity is achieved in a back-pressure-turbine; where-after the remaining steam is condensed to provide hot water for various drying processes within the facility. To improve electrical efficiency the intake-air is preheated with extracted steam. The flue-gas-cleaning is done via SNCR and electrostatic precipitators integrated in the steam-generator.

TECHNICAL DATA

» Electrical output	15	MW
» Thermal output	38	MW
» Fuel thermal output	62	MW
» Steam output	68	t/h
» Steam pressure	80	bar
» Steam temperature	500	°C
» Fuel	wood and bark (W60), wastewood (AI-AII)	

SCOPE OF SUPPLY

- » Construction planning
- » Fuel storage and fuel feed
- » Firing grate
- » Steam generator plant
- » Steam turbine with generator
- » Water – steam cycle with heat condenser
- » Flue-gas-cleaner with exhaust stack
- » Boiler house with façade and roof
- » Hot water boiler 10 MW