

BERTSCHenergy

Power plants
Process equipment

90
YEARS

TRADITION
QUALITY
KNOW-HOW
SINCE 1925

Waste Heat Recovery Boiler downstream Fluidized Bed Furnace - Corlu

Reference Sheet



BERTSCH

TRADITION, QUALITY, KNOW-HOW. SINCE 1925

»Combustion of sludge, biological waste and rejects in Corlu – Commissioning 4th quarter 2014«

The largest Turkish cardboard producer expands the energy supply at an existing site 90 km north-west of Istanbul with a new boiler unit. Waste products such as paper sludge and several organic residues are incinerated in a fluidized bed combustor. The flue gases are cooled in a waste heat recovery boiler to generate high pressure steam for electricity production and heat supply for the cardboard production process. An external, directly gas-fired superheater additionally increases the high pressure steam temperature to optimize electricity production.

TECHNICAL DATA

» Thermal output	90 MW
» Electrical output	up to 30 MW
» Max. continuous rating (MCR)	97 t/h
» Steam pressure	68 bar(a)
» Steam temperature	380/535 °C
» Fuel	sludge, organic residual materials, natural gas

SCOPE OF SUPPLY

» Complete boiler plant
» Feed water system
» Direct-fired external superheater
» Field devices

