

BERTSCHenergy

Power Plants
Process Equipment

95
YEARS

TRADITION
QUALITY
KNOW-HOW
SINCE 1925

Biomass Thermal Power Plant Gouvy Belgium

Reference Sheet



BERTSCH

TRADITION, QUALITY, KNOW-HOW. SINCE 1925.

» Biomass fired power plant with grate firing technology«

LP steam for drying purposes and electricity are demanded on the site of this saw mill. The decision was taken to implement a BERTSCHenergy grate fired power plant, utilizing mainly different scrap materials which are generated on site. These are bark and wood cuttings but also wood chips from external sources.

The produced HP steam is expanded in a back-pressure steam turbine. LP steam extracted in two stages from the steam turbine is used to generate hot water for the drying chambers.

To maximize the overall efficiency and output, a flue gas condensation unit has been installed at a later stage by BERTSCHenergy. This way a high heating demand, especially when firing very humid fuels, can be met without using gas or other heat sources.

TECHNICAL DATA

» Thermal power nominal	20 MW
» Electrical power nominal	4.7 MW
» Steam flow (MCR)	22 t/h
» Steam pressure	66 bar (a)
» Steam temperature	485° C
» Fuel	Wood and bark

SCOPE OF SUPPLY

» Grate firing
» Steam boiler
» Flue gas treatment with stack



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