

BERTSCHenergy

Power plants
Process equipment

95
YEARS

TRADITION
QUALITY
KNOW-HOW
SINCE 1925

Wood-Fired Thermal Power Plant Aubrugg

Reference Sheet



BERTSCH

TRADITION, QUALITY, KNOW-HOW. SINCE 1925

» Biomass thermal power plant with stationary fluidized bed – Commissioning 4th quarter 2010 «

Every year, approximately 100,000 MWh of thermal energy and 40,000 MWh of electricity are converted and generated in a carbon neutral way in the wood-fired thermal power plant of HHKW Aubrugg AG. As fuel, this plant uses only natural biomass in the form of wood chips from the forests in Canton Zurich as well as, to a smaller extent, wood chips from sawmills and nurseries. The wood-fired thermal power plant was integrated into the thermal power plant premises of ERZ "Entsorgung + Recycling Zürich" without significant structural changes. The utilization of existing infrastructure enables an extremely economically efficient solution for the end customer.

TECHNICAL DATA

» Thermal power	41.5 MW
» Max. continuous rating (MCR)	46.5 t/h
» S.H. steam pressure	80 bar(a)
» S.H. steam temperature	500 °C
» Fuel	wood chips (W30-W55)
» Environmental protection ruel acc. Swiss LRV	
» S.H. steam temperature	500 °C

SCOPE OF SUPPLY

» Fuel handling equipment	
» Fluidized bed combustion and steam boiler	
» Textil filter	
» DCS / PCS system – Siemens T3000	

