

Biomass heating plant

Teichstrasse, Stade (D)

DETAILS & TECHNICAL INFORMATION

installed capacity:	1,550 kWth
amount of heat generated:	1,672,000 kWhth/year
fuel used:	wood chips/natural gas
fuel consumption:	2,670 loose cubic metres/year (biomass) 7,530 Nm ³ /year (natural gas)
CO2 reduction:	480,000 kg/year
flue gas purification:	electro-filter system

DISTRIBUTION & GENERATION

550 kW wood chip boiler
50 kW flue gas heat exchanger
950 kW peak load boiler (natural gas operated)
12,000 litre buffer
1,200m local heat network (buried, isolated steel pipe)
190 homes (heat consumers)

PROJECT & DETAILS

investment costs:	€1.5 million
planning time frame:	2008-2009
implementation:	2009-2010
putting into operation:	autumn 2010



MODULES & SERVICES

CONSULTING ⇒ EVALUATION ⇒ PRE-STUDY ⇒ OVERALL ENGINEERING

