

CHP energy supply Kleinhun (D)

DETAILS

installed capacity:	555 kWth + 70 kWel
amount of heat generated:	1,063,000 kWhth/year
amount of electricity generated:	408,000 kWhel/year
fuel used:	natural gas
fuel consumption:	180,000 Nm ³ /year (natural gas)
CO2 reduction:	121,300 kg/year

DISTRIBUTION & GENERATION

115 kWth/70 kWel natural gas block-type thermal power station
440 kW natural gas boiler (peak load and failure safety)
2,500 litre buffer
stainless steel exhaust system on the existing building
fully automatic DDC system with visualisation level
350m local heating network (buried, isolated steel pipe)
427m electricity network (self-supply)
126 homes (heat consumers and electricity consumers)

PROJECT & DETAILS

investment costs:	€ 0.65 million
planning time frame:	2012-2013
implementation:	2013
putting into operation:	2013

MODULES & SERVICES

CONSULTING ⇒ EVALUATION ⇒ PRE-STUDY ⇒ OVERALL ENGINEERING

