

# Grenaa Varmeværk

[Grenaa Heating Plant]



Visualization: Arkikon ApS

## ABSORPTION HEAT PUMPS

### New biomass heating plant

Enxio has supplied 2 absorption heat pumps for cooling the flue gas from the new biomass heating plant in Grenaa. The two heat pumps each have a thermal output of 5 MW and are powered by hot water from the boiler, which is supplied to the heat pump's generator at 140°C. The heat pumps cool the flue gases to 15°C, thereby making maximum use of the energy in the fuel.

The energy absorbed from the flue gas is used in the heat pump to heat district heating water from 45°C to 65°C, which is delivered direct to district heating consumers, who thus obtain efficient and green district heating.

The heat pumps were supplied in 2017 and commissioned during the 2017/2018 heating season.

