Ronneby Miljö & teknik

Ronneby Miljö & Teknik AB (Ronneby Environment & Technology AB) is a municipal company that is wholly-owned by the municipality of Ronneby. They manage power, heat, water, sewage, sanitation, fiber optic networks and broadband.

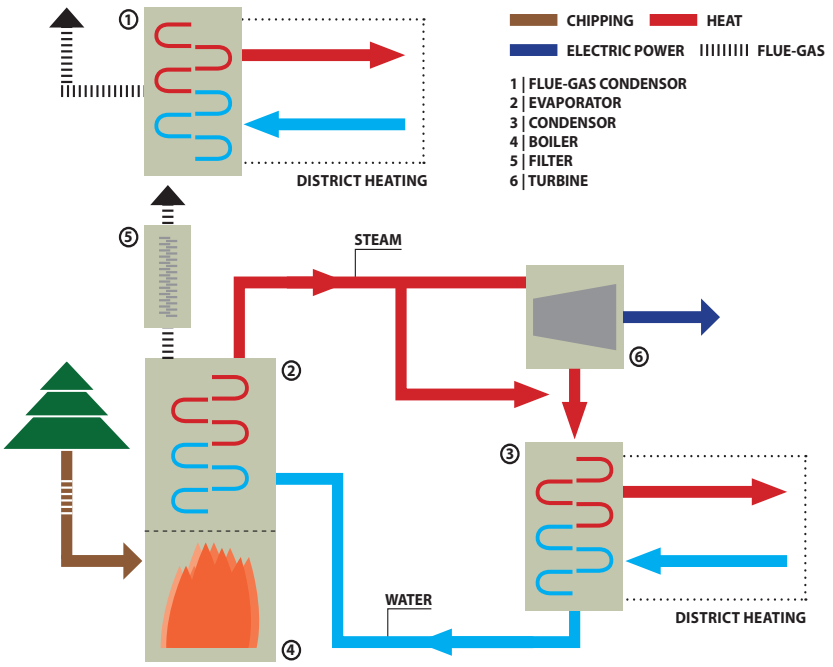
Through the possibility of producing renewable electricity in Sörbyverket, the corporation will be self-sufficient in electricity. This development is in line with the strategic plan of the company.

Ronneby Miljö & Teknik have chosen to install a Wet Steam Turbine since the boiler of Sörbyverket has the opportunity of steam production. The existing system in Ronneby is currently being adapted to enable a connection of the WST.

The changes that needs to be done are mainly modification of the boiler circulation and existing steam dome. Safety equipment, dryout protection, etc. needs to be supplemented and upgraded. In addition, the boiler needs to be supplemented with feed water system consisting of feed water, feed water pump and safety valves.

In total, Sörbyverket will use 65 % of the generated power, selling the remaining electricity within the corporation group.
As a grid company, Ronneby Miljö & Teknik may not produce electricity, but the solution is solved by putting the electricity production in a subsidiary, Ronneby Miljöteknik Energi AB (Ronneby CleanTech Energy AB.)

PROCESS PICTURE



PLANT DATA

EFFECT
600 kW of electricity

OPERATING HOURS/YEAR
Approximately 5200 hours

ELECTRICTY
Approximately 2700 MWh / year

INVESTMENT COST
Approximately 15.2 million

THE ESTIMATED PAYBACK
Approximately 5-6 years

RAW MATERIAL
Wood chips, forest residues, bark, etc.

MOISTURE IN RAW MATERIAL
35–50%

MODEL
M+M Mini-Turbine