

WASTE-TO-ENERGY

KRAFTVÄRMEVERKET TORSVIK, JÖNKÖPING

Plant description

Kraftvärmeverket Torsvik (CHP plant) is located near the city of Jönköping, Sweden. The facility is owned and operated by the local energy company Jönköping Energi AB.

The facility includes a unique heat pump and flue gas condensing stage providing maximum total thermal efficiency of the plant.

Main plant data

Thermal treatment	160,000 t/year
Power output	13 MWe (gross)
District heating output	37+14* MJ/s
Steam data	40 bar/380 °C
Power efficiency	21% (gross)
Total efficiency	102% (LHV)

Lines	1×20 t/h
Net calorific value	11 MJ/kg (design)
Annual operating time	8,000 hours
Commissioning	2006

* Heat pump and condensing stage

Services provided by DONG Energy

- Owner's engineer for the total facility during all project stages from planning to commissioning.
- Conceptual design and feasibility study to obtain an overall optimum plant design.
- Completion of Architectural Competition Program.
- Procurement and negotiation of all process and civil construction contracts.
- Commissioning of the facility.



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