

WASTE-TO-ENERGY

ODENSE KRAFTVARMEVÆRK

Plant description

Odense Kraftvarmeværk (CHP plant) is owned and operated by DONG Energy. The facility is equipped with three Waste-to-Energy lines for production of electricity and district heating. Implementation of best available technology combined with optimised operation, enables the facility to offer one of the lowest gate fees in Europe.

Main plant data

Thermal treatment	250,000 t/year
Power output	20 MWe
District heating output	65 MJ/s
Steam data	65 bar/380 °C
Power efficiency	22%
Total efficiency	92%
Lines	2×8 t/h / 1×18 t/h
Net calorific value	11 MJ/kg (design)
Annual operating time	8,100 h/a
Commissioning	1996/2000

Services provided by DONG Energy

- Owner's engineer for feasibility study and conceptual design as well as procurement, negotiation and follow-up on all technical and civil contracts.
- Commissioning and maintenance planning.
- Procurement of residual products.
- Optimisation of operation costs.
- Planning of retrofit with Inconel cladding.



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