

CUSTOMER CASE



Amagerværket

500 Mega Watt coal/oil fired power plant

Denmark

Plant Description

Amagerværket consists of three units, each equipped with boiler and turbine plant. Amagerværket supplies power for the electricity grid of the island of Zealand and heat for the district heating network of Copenhagen.

Amagerværket unit 1 and 2

Operationalized: 1971 and 1972
Capacity per unit: 136 MW electricity / 109 MW electricity and
190 MJ/s heat
Fuel: Coal and oil



Amagerværket unit 3

Operationalized: 1989
Capacity: 250 MW electricity / 215 MW electricity and
330 MJ/s heat
Fuel: Coal and oil

Environmental Aspects

The plant has been certified according to the international environmental standard ISO 14001. This results in all workflows and procedures being closely monitored, documented and optimized with an eye to environmental aspects.

The three units are equipped with electrical flue gas filters for collection of ash in the smoke. Last year the plant produced more than 11.000 tons of ash. The recycled ash is used in cement and concrete production.

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Owner

ENERGI E2 is a leading Danish energy production and trading company. It owns and operates seven large and ten small power stations and CHP plants in Eastern Denmark. Energy E2 has its main office in Copenhagen. Its revenue in 2002 was 6.7 billion DKK.

- Number of employees: 1.400 of which 350 are located in the main office
- Capacity, electricity: 4.552 MW
- Capacity, heat:
 - 2.660 MJ/s (heat)
 - 1.712 MJ/s (steam)

IGSS Application

The IGSS SCADA installation, which consists of 10,000 objects, operates the coal cranes, the reclaimer and the stacker. The communication between the main server and the cranes is wireless. An IGSS single-user backup system is installed in each crane unit, which allows for continued operation in spite of loss of communication to the IGSS server. The main IGSS system is equipped with a hot standby server.



System Integrator

Tångberg Pro-Consult

