



Asnæsværket

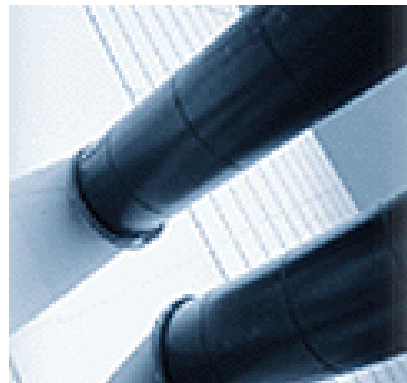
1300 Mega Watt coal/oil/orimulsion fired power plant

Denmark

Plant Description

Asnæsværket is ENERGI E2's largest power plant with a capacity of 1.307 MW electricity and up to 452 MJ/s heat. The plant was built in 1959 and has since then been expanded with 4 new units, the last being built in 1981.

The plant is fired with orimulsion and coal but can use oil as well. Orimulsion is the trade name of a fuel consisting of an emulsion of about 70 per cent natural bitumen, 30 per cent water and 0.2 per cent emulsifier. The water and the emulsifier are added to achieve the proper consistency for the fuel.



Asnæs Power Station collaborates with other enterprises in the Kalundborg metropolitan area in an environmentally friendly industrial symbiosis. Participants reduce both consumption of resources and environmental impacts by using each others' waste products.

CUSTOMER CASE

Environmental Aspects

Some years ago, Asnæs Power Station's latest unit was converted for use of Orimulsion instead of coal. As a result it emits 16-18 per cent less CO₂ and 30-40 per cent less NO_x.

Owner

ENERGI E2 is a leading Danish production and energy trading company. It owns and operates seven large and ten small power stations and CHP plants in Eastern Denmark.

IGSS Application

IGSS has been installed on most of the utility equipment such as the coaltransporter, the ash transport plant and the loading cranes.

At Asnæsværket more than 10 IGSS systems ranging from 2000 objects up to 10.000 objects have been installed. Each of the two plants are monitored and controlled by 2-7 operator stations.

Systemintegrator

KK-Electronic a/s (Circuit Electric)