
The most efficient heating plant in the whole world

MORE THAN 200,000 PEOPLE IN DENMARK GET THEIR HEAT AND POWER FROM THE 400 MW NORTH JUTLAND DISTRICT HEATING PLANT RUN BY ELSAM.

TOPIC:

Reliability - Ease of installation -
Fine service - Efficiency

ELSAM A/S FOCUSES STRONGLY ON OPTIMIZING ENERGY CONSUMPTION IN ALL SECTIONS OF THE PLANT.

LOCATION:

The North Jutland, Denmark

TWO WATER TREATMENT SYSTEMS ENSURE THAT THE WATER CIRCULATED IN THE DISTRICT HEATING MAINS IS OF CONSISTENTLY HIGH QUALITY. GRUNDFOS CRN PUMPS ARE KEY PLAYERS IN THE SYSTEMS DUE TO THEIR RELIABILITY AND EFFICIENCY.

COMPANY:

Elsam A/S

THE SITUATION

The North Jutland plant had an efficiency problem; the local customers paid some of the highest prices in the world for their heating. The pumps at the plant were corroded and unreliable.

THE GRUNDFOS SOLUTION

Two separate water treatment systems were installed: an off-line purification system and a reverse osmosis system. The combination mechanically filters suspended matter and demineralises the circulating water.

THE OUTCOME

The water quality is so high that corrosion is no longer a problem. The North Jutland plant is now the most efficient in the world; the folks in north Denmark have a lot more money in their pockets!