

SURFACE WATER TREATMENT FOR DRINKING WATER & PROCESS WATER AT A POWER PLANT IN SWEDEN

CASE STUDY

Agent for:



THE CLIENT'S NEEDS

For the local production of drinking and process water for the Forsmark power plant in Sweden, ProMinent, a multinational water treatment systems supplier, was looking for a robust and reliable treatment solution.

OUR SOLUTION

We applied our dNF40 nanofiltration membranes for the removal of colour, TOC bacteria, viruses and other harmful compounds as well as selective salt rejection. The installed system produces a daily product water flow of 850 m³ with a pretreatment consisting only of a rotating drum strainer with no additional chemical injection.

OUTCOME

The dNF one-step nanofiltration system holds a small footprint in comparison with existing conventional treatment and provides substantially better water quality with TOC levels below detection limit.

Performance Summary:

- 95% Colour removal
- 75% Recovery
- 95% TOC removal



dNF installation that produces drinking and process water in one step from highly colored surface water.