

## 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 m<sup>3</sup> 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.*