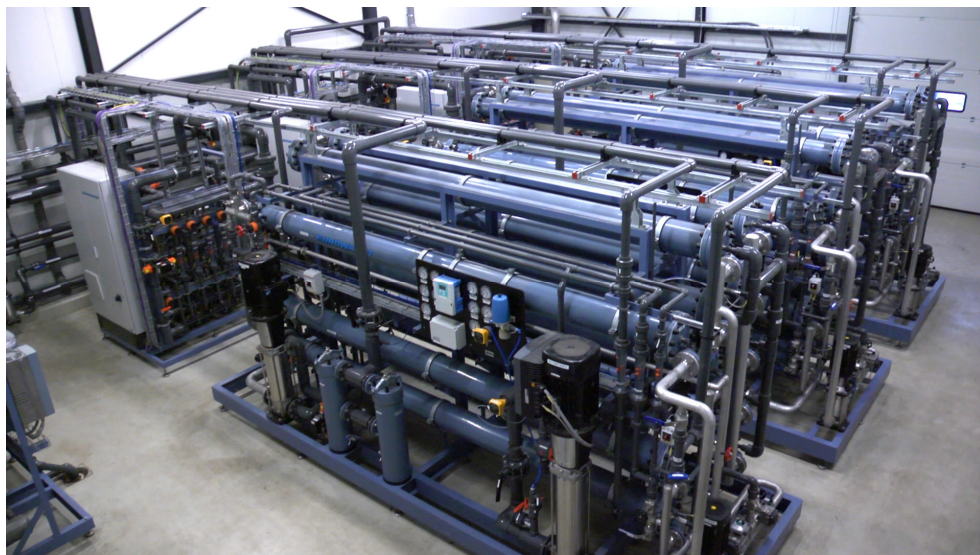




Reference 083083-UK



## 50 m<sup>3</sup>/h continuous supply of ultra-pure water for chemical production

**Industry** Ingredient water and boiler feed water  
**Application** Chemical industry  
**Country** Belgium

### Description

Induss IV: This project is a fully remote controlled water treatment plant that delivers 50 m<sup>3</sup>/h of ultrapure water, mainly for ingredient water in the production of chemicals but also partly as boiler feed water. The water is treated with RO followed by an EDI polishing and stored in a 2000 m<sup>3</sup> buffer tank to compensate for variation in usage during the day.

The project is an outsourcing project for a chemical production company, who requested an extremely reliable flow of water at all times. The plant operates with three 25 m<sup>3</sup>/h production lines, of which one line is redundant for the highest delivery safety possible. The plant includes more than 500 components that can be monitored and controlled at a remotely located central control room.

Water savings is also a main concern so the plant is equipped with technology to reduce the water usage to a minimum.

### Technical data

Flow..... 3 x 25 m<sup>3</sup>/h  
 Conductivity..... <0.7 μS/cm  
 Silica..... <0.015 ppm

### Units in plant

- Antiscale dosing
- 3 x double-pass RO with high water utilization type DPRO PLUS C4-28/20+4
- CIP unit
- 3 x EDI 5-5000e
- PLC control system, 4 redundant S7-400H CPUs
- SCADA with visualization and monitoring via iFIX screens.

**TOM VANLERBERGHE**  
Commercial Manager, Induss

SCAN THE QR TO WATCH A SHORT VIDEO ABOUT THE CASE