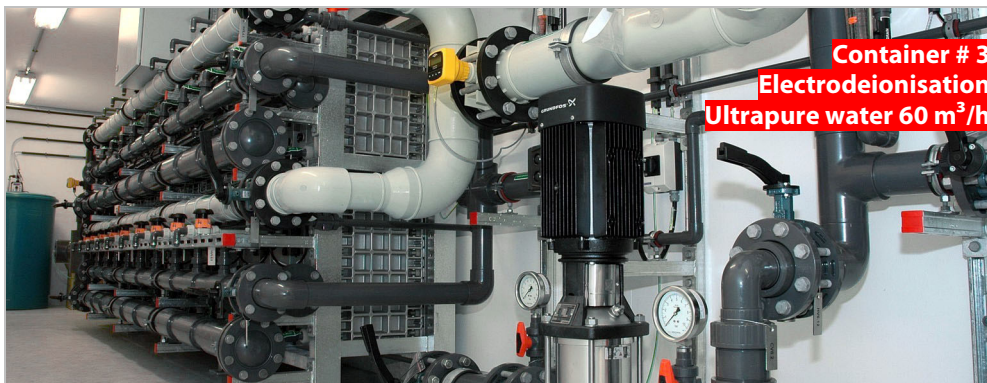
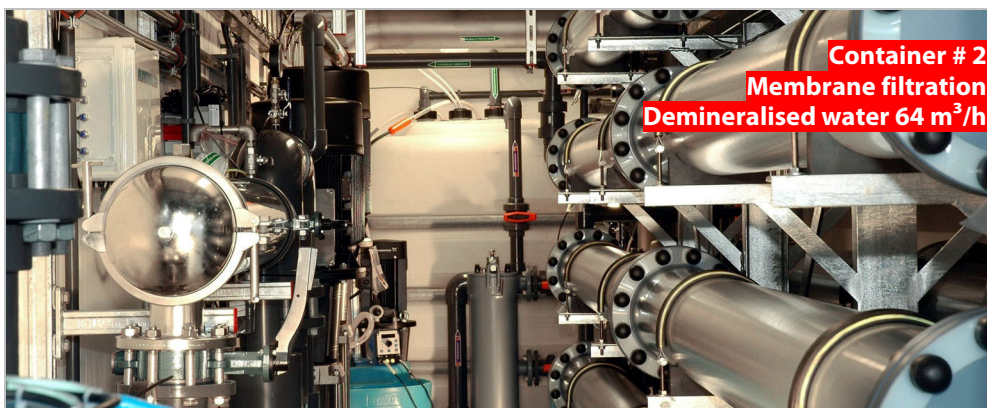
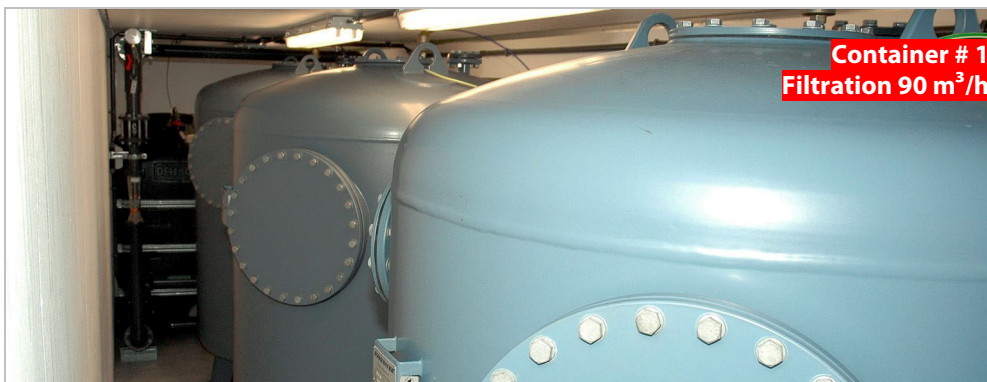




Reference 022200-UK



## 2 x 60 m<sup>3</sup>/h ultrapure water for power plant - WTP in 6 x 40' containers

**Industry** Power plant  
**Application** Makeup water for steam boiler and injection water for gas turbine  
**Country** United Kingdom

**Description**  
 Original water treatment plant was supplied in 1970. Water treatment upgrade was required, but no free space at site was available. Also, the construction works on site was requested to be minimized. It was decided to order the equipment built inside 40' containers. Site installation was reduced to the pipe system and the electrical wiring between the containers.

**Technical Data**  
 Flow..... 2 x 60 m<sup>3</sup>/h  
 Conductivity ..... < 0.2 μS/cm  
 Silica SiO<sub>2</sub> ..... < 0.02 mg/l

**Raw water composition**  
 Conductivity ..... 200 μS/cm  
 pH-value ..... ~ 8 pH  
 Hardness ..... 1.5 °dH  
 Sodium Na<sup>+</sup> and potassium K<sup>+</sup> .... 25 mg/l  
 Alkalinity ..... 10 mg/l  
 Chloride Cl<sup>-</sup> ..... 40 mg/l  
 Sulphate SO<sub>4</sub><sup>2-</sup> ..... 20 mg/l  
 Silica SiO<sub>2</sub> ..... 2 mg/l  
 KMnO<sub>4</sub>-number ..... < 3 mg/l

- Units in plant**
- Container # 1**
- Raw water pump 90 m<sup>3</sup>/h
  - Filtration 3 x TFB 20 PPA coated
  - Equipment for backwash

- Container # 2**
- Cartridge filtration
  - Antiscalant dosing
  - Reverse osmosis unit C6-54
  - Cleaning unit

- Container # 3**
- Electrodeionisation unit EDI 18-3400e
  - Pipe system in welded PP (polypropylene)