TECHNOLOGY REFERENCE

Ultrafiltration of saline water after lime softening

Oil and gas · Containerised treatment

Approximate capacity	Module	Commissioned
946 m³/d	UltraFlux™ V10XL	2022

01

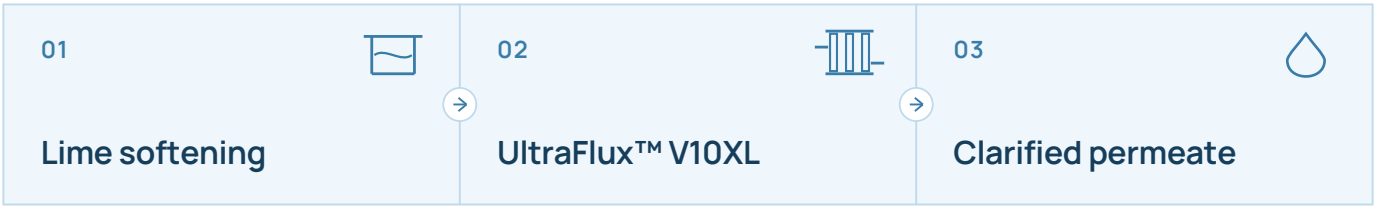
The challenge

Lime softening generated precipitates in water containing 120,000–130,000 ppm NaCl. The solids separation step had to fit inside the existing container.

02

The solution

UltraFlux™ V10XL modules fitted the existing UF mounting positions. Downstream of softening, the membranes separated the precipitates from the liquid phase.



03 / RESULTS

Permeate met site discharge requirements

The clarified permeate met the site's discharge requirements. The containerised installation kept the treatment platform transportable.

- Existing module mounts reused
- Transportable treatment unit

Separation after softening

→ Precipitates
UF retentate

→ Clarified water
UF permeate