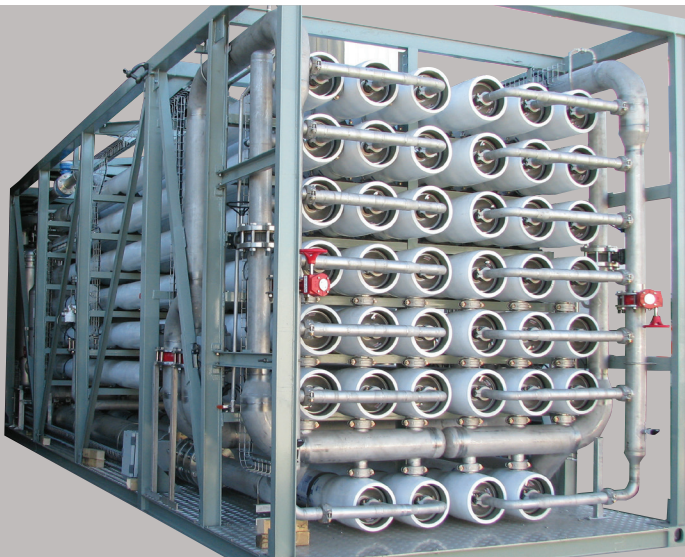


ENGINEERING COMPANY, KUWAIT

DESALINATION PLANT



PROXA delivers innovative solution for desert desalination plant in temperatures exceeding 50°C.

THE CHALLENGE

Hydrotek required a desalination system that could operate at variable feed salinity, ranging from only 8000 mg/l to 41000mg/l. What's more, the solution had to be able to withstand ambient desert temperatures that regularly soar above 50 degrees Celsius.

HOW PROXA ADDED VALUE

PROXA's innovative C-PAQ design allows for simple operation in this highly challenging environment and application. Combining robust process design with state-of-the-art control systems enables simple operation in a neatly pre-packaged solution. The entire system is pre-tested, pre-piped and pre-wired in our factory, allowing for minimal on-site activities.

FEED WATER

Variable well water salinity

PRODUCT WATER

Utility water

PERFORMANCE TARGET

Capacity: 2 x 1200m³/day product water

PROCESS

- ◇ Abstraction and feed pre-conditioning
- ◇ Media filtration
- ◇ Fine filtration
- ◇ Variable control reverse osmosis
- ◇ Fully containerised system

PROCESS RELIABILITY

When producing utility water in remote harsh conditions, process reliability is of critical importance. PROXA's C-PAQ control technology and robust design is proven in numerous desert locations.

Client: Hydrotek