

# CASE STUDY



## PROJECT POTABLE WATER HIRE PLANT FOR EMERGENCY REFUGEE PROCESSING CENTRE

**PRODUCT** Sea Water Reverse Osmosis Desalination Plant

**INDUSTRY** Land Development

**LOCATION** Pacific Islands, Nauru

### BACKGROUND

In late 2012, the Australian Federal Government established a refugee processing centre on the remote pacific island of Nauru. The situation was critical, requiring swift delivery of humanitarian assistance.

There was insufficient drinking water available so a fresh drinking water supply was urgently required for the additional population.

### SOLUTION

MAK Water provided a Sea Water Reverse Osmosis (SWRO) Desalination Plant for hire to the processing centre.

### PROMPT ACTION

- The SWRO hire plant was transported 6,000 km's by road and air and supplied to the island within 24 hours.

### ON SITE SUPPORT

- MAK Water's site support team were immediately deployed to prepare the site for the plant's arrival.
- The sea water intake system was installed in a highly tidal environment.
- The plant was installed and commissioned as soon as it arrived at Nauru.

### REMOTE AREA EXPERTISE

- Bladder tanks were used to enable quick set up.
- The commissioning team trained local personnel to complete day to day plant operation.
- 24/7 technical support was provided by MAK Water.

### RESULTS AND BENEFITS

- **Quick response.** The immediate transportation and commissioning of the plant enabled the Australian Federal Government to start providing drinking water to the new residents in quick time.
- **On site support in a challenging environment.** MAK Water's commitment to reliable plant operation, despite the challenges of installing a sea water intake in a highly tidal environment, and local site conditions, ensured fresh drinking water was available as soon as possible.



*The Sea Water Reverse Osmosis Desalination Plant travelled 6,000 kms by road and air to Nauru.*



*The Sea Water Reverse Osmosis Desalination Plant arrives on Nauru.*