



CASE STUDY (044-M-En) **Municipality, Mauritius**

**Seawater Desalination System
producing 500 m³/day of
Potable Water for Rodrigues
Island**

PROJECT DELIVERY DATE

November 2018

PROJECT DESCRIPTION

In cooperation with its local partner in Mauritius, TEMAK studied, designed, manufactured and installed a seawater desalination system producing 500 m³/day of drinking water according to WHO standards. The project may be expanded with an additional unit, also of 500 m³ /day capacity.

PROBLEM / CHALLENGE

The problem:

- Rodrigues Island faces a severe shortage in water for potable and general use. The population may have water for only a few hours in the day, and the nature of the island prevents the easy collection of natural water.
- Businesses in the industrial and tourism sectors in this region faced significant difficulties due to the lack of suitable water, which negatively affected their output and development respectively.
- The local administration of Rodrigues Island had experienced significant disappointment, having previously installed desalination systems by other suppliers which failed to provide potable water as contracted.

CASE STUDY (044-M-En)

Municipality, Greece

PROBLEM /CHALLENGE

The challenge:

- To supply a desalination plant which could withstand the very harsh weather conditions in Mauritius.
- To supply and install the desalination plant within the strict deadline set by the tender.
- As Rodrigues Island did not cater for 40-ft. containers, the plant had to be customized for ease of transportation and site installation

THE RESULT

Due to the excellent cooperation that has been achieved, the island's residents can enjoy an uninterrupted supply of safe, high quality drinking water. This project is particularly important, as it is evidence of TEMAK implementing its vision of being the ideal partner in water treatment solutions worldwide.

Since 1980, TEMAK has been at the side of local communities covering their needs with reliability and consistency, having a full range of certified water treatment products.

Thanks to the systems manufacture in Greece and the high expertise of its specialized staff, TEMAK is able to offer total water treatment solutions, from study and design to manufacture and installation of required systems.

The 750.000 m³/day of clean potable water or water for general uses, produced daily from TEMAK's installed systems in Greece and 26 abroad countries, constitute the proof of our experience and know-how in water treatment.