



CASE STUDY (042-M-En) **Municipality, Greece**

Mobile Seawater Desalination
Unit producing 300 m³/d of
Potable Water

LOCATION

Municipality Island in Dodecanese

PROJECT DELIVERY DATE

The system was started up in early August 2018

PROJECT COMPLETION TIME

Within 3 months from contract award

PROJECT DESCRIPTION

Desalination system installed in a 40-ft. container, producing 300 m³/day of potable water, together accompanying works (seawater well intake, drinking water pipeline, brine pipeline, concrete base for installing the equipment).

SUMMARY

Self-funded by the Municipality of an Island, TEMAK undertook to complete the entire works for a new Desalination Unit, including environmental permitting, for supplying potable water. The particularities of this project lay in the difficulty in drilling seawater, as well as the limited project delivery time.

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THE CHALLENGE

The particular region was supplied with drinking water by a TEMAK Brackish Water Desalination Unit installed in 2014. Due to the drought suffered by the island in recent years, the well that was supplying the area deteriorated tenfold in water quality and could no longer yield water in the required quality and quantity. This not only stopped the supply to the settlement, but also caused frequent wear on the electromechanical equipment in homes and hotels. The challenge was to start-up the unit before the pick of the tourist season.

THE SOLUTION

TEMAK selected a suitable area for installing the plant, designed the entire system within a single container, and delivered it fully commissioned within just 90 days.

THE RESULT

The project benefited the residents as well as tourists, which is a tourist area with many hotels.

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.