



CASE STUDY (073-H-En) **GREECE – RESIDENCE**

Sea Water Reverse Osmosis System with a capacity of 10,6 m³ / day potable water

Project Implementation Date
April 2021

PROJECT DESCRIPTION

Residence at Argolida

CHALLENGES

TEMAK undertook to adapt and install the complete solution in the holiday home in an existing engine room of the client, as well as to train the person in charge of the estate in a week. The seawater is stored in a tank and through the feed pump 1.0 km / h is passed to the turbidity filters to remove turbidity and activated carbon to remove chlorine and organic charge. Dosage is then performed with anti-inflammatory fluid to protect the reverse osmosis membranes.

The water then enters the reverse osmosis system producing 10.6 km / h desalinated water with a 44% recovery.

Caustic soda is dosed into water to regulate the pH and water is collected in the produced water tank, where it is chlorinated before being sent for consumption. The design temperature is 18 - 220 ° C.

Since 1980, TEMAK has been at the side of Tourism sector and 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.