



CASE STUDY (041-H-En) **Hotel, Greece**

**Brackish Water Reverse Osmosis
Unit 600 m³/day**

LOCATION

Hotel in Corfu

PROJECT DELIVERY DATE

December 2018

PROJECT COMPLETION TIME

Within 90 working days form contract award

PROJECT DESCRIPTION

Installation and commissioning of a Reverse Osmosis Desalination Unit producing 600 m³/d of potable water

SUMMARY

A new, fully renovated 5 star hotel in Corfu, by a group which owns two more hotel units in Halkidiki, with another hotel in Kos Island to be opened within 2019. The renovation of this hotel was one of the biggest investments in the tourism sector in 2018 (110 million Euro). TEMAK undertook the design, construction and installation of a Reverse Osmosis Desalination Unit for the needs of the hotel. The project was delivered within a very short timeframe, considering the capacity and design requirements of unit.

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THE CHALLENGE

The water to be treated is sourced from 4 different wells owned by the hotel. The challenge for TEMAK was therefore to design, build, install and deliver a fully operational water treatment unit, and do so in a very short time. The difficulties that were successfully overcome were mainly related to the contractual project delivery time, which was especially limited (the system had to be installed and fully functional within 90 working days from contract award), as well as the limited access to the machine room (as all equipment had to be lifted down by crane and then moved to the installation area with the help of many workers).

THE SOLUTION

- Delivery of a top quality reverse osmosis desalination system, producing 600 m³ /d of excellent quality drinking water suitable for fully covering the needs of the hotel.
- High quality equipment was used for achieving optimum water quantity and quality, as well as specialist equipment for the safe operation of the system and its users.

THE RESULT

- High quality water suitable for all uses, which reflects the high standard of services offered by the hotel to its guests.
- Protecting equipment and prolonging its lifetime
- Maintaining clothing in excellent condition and prolonging its useful lifetime for many years.
- Reduction in washing powder and detergent expenses.
- Reduction in damage to the hydraulic equipment

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.