



CASE STUDY (045-H-En) **Hotel, Maldives**

**Water Treatment Systems of
600 m³/day capacity for a new
Tourist Resort**

PROJECT DELIVERY DATE

October 2018

PROJECT COMPLETION TIME

3 months

PROJECT DESCRIPTION

In cooperation with its local partner, TEMAK installed a water treatment system of 600 m³/day capacity in a new resort. The system is composed of 2 separate Desalination plants of 300 m³/day capacity each, for the supply of drinking water according to international standards.

This system was installed in order to cover the island's water needs, and provide potable water for the laborers and engineers during the construction phase. The particularity of the project was not only to withstand the harsh tropical conditions of the Maldives, but also to be fitted in the dedicated restricted space.

PROBLEM / CHALLENGE

The Problem:

There is no natural water source on Maldives Island, and thus the only solution is installing a desalination plant.

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The Challenge:

- Study and design of a customised solution according to the customer's needs, which must fit in the limited allocated space
- Design a highly reliable system suitable to withstand the harsh tropical conditions of the Maldives
- Tackle the difficulties concerning the delivery of the RO skids to the port and inland transportation and installation.
- Honour the agreed delivery timetable

SOLUTION

- Integrated seawater desalination systems
- Unique design to maximize lifespan of installed instruments
- Unique design to avoid any leakages and corrosion in the system

RESULT

- Full coverage of needs by providing high quality of drinking water to workers during the construction of the tourist resort.
- The owner installed a water desalination system ensuring excellent water quality for operation of the tourist resort with the lowest possible operating cost.
- TEMAK enhanced its competitive advantage, but also the reputation for its know how, since it has already put in place several installations in this area, confirming the excellent cooperation with the trusted and experienced local partner.

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.