



CASE STUDY (057-H-En) **Hotel, St.Nicolas Crete**

**Sea water desalination plant for the
production of 380 m³/day**

Date of implementation
January 2010

Equipment

- ✓ Prechlorination in the feed water tank
- ✓ Two feed pumps (INOX 904L)
- ✓ Four turbidity filters working in parallel
- ✓ Antiscalant dosing
- ✓ Sulfuric acid dosing
- ✓ Five bag filters of 1 µm working in parallel
- ✓ Two 10µm cartridge filters in high pressure pump inlet
- ✓ Reverse osmosis system
- ✓ CIP system
- ✓ Sulfuric acid dosing in permeate water

- ✓ Two parallel rehardening filters
- ✓ Caustic soda dosing
- ✓ Chlorine dosing

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.