



CASE STUDY_(059-M-En)

Municipal Enterprise for Water and Sewage of Chania

Potable water – Sea water desalination plant for the production of 1.000 m³/day

Date of implementation

August 2010

Equipment

- ✓ Feed water tank
- ✓ Two feed pumps (one as spare)
- ✓ Prechlorination
- ✓ 6 Turbidity Filters in parallel mode
- ✓ Sulfuric Acid Dosing
- ✓ Antiscalant Dosing
- ✓ Two multiple cartridge filter housings made from stainless steel with 15 cartridges each, each cartridge has 40" length
- ✓ Reverse osmosis system
- ✓ CIP system
- ✓ Sulfuric acid dosing for permeate water
- ✓ Open type rehardening filters
- ✓ Caustic soda and chlorine dosing
- ✓ Potable water tank
- ✓ Potable water transfer pump to the central tank
- ✓ The system is installed in two 40 feet, high cube containers

Special Features

- ✓ System control through PLC and SCADA
- ✓ Remote system monitoring through internet
- ✓ The system can treat seawater or high brackish water or by mixing seawater and high brackish water with automatic adjustment to the appropriate operating pressure each time

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.