



CASE STUDY (061-M-En) **Municipality of Thira, Cyclades**

Introduction

Sea water desalination plant in Oia for the production of 500 m³/day potable water

DATE OF IMPLEMENTATION

January 2012

Equipment

- ✓ Prochlorination
- ✓ Two feed pumps (one as stand-by)
- ✓ Turbidity filter
- ✓ Antiscalant dosing
- ✓ Sulfuric acid dosing
- ✓ Cartridge filter housings
- ✓ Sea water reverse osmosis system with axial piston pump end pressure exchanger as energy recovery system
- ✓ Flushing system
- ✓ Cleaning in place system
- ✓ Post-treatment (Sulfuric acid dosing-rehardening filter-caustic soda dosing-chlorination system)
- ✓ The system is installed in two 40 feet high cube containers

Special Features

- ✓ System control through PLC and 10" touch screen
- ✓ The system can operate while the turbidity filters are backwashed alternatively

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.