



CASE STUDY (050-M-En) **Municipality of Thira, Cyclades**

**Brackish Water Reverse Osmosis System
producing 1.200 m³/day**

PROJECT DESCRIPTION

Drinking water plant installed in 2 (two)
Containers for Thira Municipality

DATE OF IMPLEMENTATION

November 2008

Technical Characteristics

- ✓ Water Collection from the wells in 2 tanks of 25 m³ each
- ✓ Feed pumps, 64,25 m³/hr, 4.5 bar
- ✓ 2 turbidity filters
- ✓ Rehardening filter / Cleaning in Place, TCIP2 (Container 20 ft)
- ✓ High Pressure Pump 64,25 m³/hr, 4.5 bar
- ✓ 1st stage: 6 Pressure vessels in parallel (6 Membranes per Pressure vessel)
- ✓ 2nd stage: 3 Pressure vessels in parallel (6 Membranes per Pressure vessel)
- ✓ Booster Pump 27 m³/hr, 6 bar, between 2 stages

✓ Drinking water production of 51,4 m³/hr, and Water Collection in the existing tank of the Municipality

✓ System control through PLC, System Monitoring & Data transfer through Internet, Alarm to telephone operator

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.