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Termomeccanica Ecologia

Reverse osmosis plant for the production of drinking water
Monterosso (SP)

The plant treats seawater coming from wells for the production of potable water to put in the distribution network. The process makes the desalination of seawater through reverse osmosis membranes and the permeated water is remineralised with a system of salt dosage to improve its quality and make it potable.



Water treatment

Potabilisation, Desalination and Remineralisation



- **Name of the plant:**
Seawater desalination plant for the production of potable water
- **Place of installation:**
Monterosso al mare (La Spezia)
- **Client:**
Acam S.p.A. La Spezia
- **Plant description:**
The sections of the plant are:
 - pre-treatment with self-cleaning filters measuring 75 micron and 1 micron
 - UV light sterilisation
 - H.P. feed pump complete with inverter and turbine for energy recovery
 - Skid reverse osmosis
 - Washing system
 - Chemical dosing system
 - Instrumentation and control board
- **Plant flow:**
Potable water flow: 1,200 m³/day
- **Scope of the contract:**
 - basic and detailed design
 - supply of the electromechanical equipment, instrumentation and control equipment, erection
 - testing, start-up and operation for six months



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