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Termomeccanica Ecologia

Remineralisation plant  
**Az-zour (Kuwait)**

The plant treats the distilled water coming from the MSF system of desalination of seawater, to give the water the quantity of salt necessary to enable it to be used for potable uses.

The process foresees that the distilled water passes through a stratum of "Limestone" contained within the steel filters; the quantity of  $\text{CaCO}_3$  absorbed depends upon the contact time. Normally 50-70 ppm  $\text{CaCO}_3$  are considered valid for good quality water for drinking use.



Water treatment

*Potabilisation, Desalination and Remineralisation*

## Remineralisation plant Az-zour (Kuwait)



- **Name of the plant:**  
Rimineralisation plant for desalination of seawater
- **Place of installation:**  
Az-zour (Kuwait)
- **Client:**  
Doosan Heavy Industries/M.E.W Kuwait
- **Plant description:**  
The main sections are constituted of:
  - machines for transfer and loading of the limestone
  - tanks, valves, various equipment
  - vacuum pumps
  - Co2 dosage compressors
  - injection dosage for pH chemical correction
  - instrumentation and controls system
- **Plant flow:**  
distilled flow to treat: 9,600 m<sup>3</sup>/h
- **Scope of the contract:**
  - general and detailed design
  - supply of all the electromechanical components, instrumentation and remote control system
  - supervision of the erection
  - testing and start-up



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