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Termomeccanica Ecologia

Demineralisation and deaerating plant
Thessaloniki (Grecia)

The plant produces demineralised water for industrial use within the Hellenic Petroleum refinery.
The process of resin ion exchange is the “fluidised resin bed type” (Europe patented).
It is arranged in three production lines each having the flow of 80 m³/h



Water treatment
Industrial Plants and Ion Exchange

Demineralisation and deaerating plant Thessaloniki (Grecia)



- **Name of the plant:**
Demineralisation with ion exchange resins
- **Place of installation:**
Thessaloniki (Grecia)
- **Client:**
Hellenic Petroleum Refinery
- **Plant description:**
The plant is arranged in three production lines, each one constituted of:
 - weak cationic unit
 - strong cationic unit
 - weak anionic unit
 - strong anionic unit
 - deaerator common to all three lines
 - regeneration system with acid and soda

Technical data:

flow: : $3 \times 80 \text{ m}^3/\text{h}$

conductibility upon exit : < di 1 micro S/cm

silica : minore 0.02 ppm.

- **Scope of the contract:**
 - turnkey supply of the plant including civil works
 - commissioning and commercial start-up
 - training of the client's personnel



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