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Termomeccanica Ecologia

Potabilisation plant

Jeiranbatan (Azerbaijan)

The turnkey contract has been entrusted to TME by Apsheron Regional Joint Stock Water Company, that is the company in charge of the management of the water cycles in the region of the Capitol Baku. The work that the contract takes into account concerns the rehabilitation and completion of the potabilisation plants of the sites of Jeiranbatan and Kura for the treatment of surface water for drinking use.



Water treatment

Potabilisation, Desalination and Remineralisation

Potabilisation plant Jeiranbatan (Azerbaijan)



- **Name of the plant:**

Potabilisation plant for surface water at Jeiranbatan (Azerbaijan)

- **Place of installation:**

Jeiranbatan (Baku, Azerbaijan)

- **Client:**

Apsheiron Regional Joint Stock Water Company

- **Plant description:**

The main sections are constituted of:

- pre-chlorination through chlorine gas
- flocculation through dosage of coagulants and coagulant aids
- clarification (nr. 8+8 circular clarifying basins + nr. 14 horizontal clarification basins)
- filtration (nr. 12+12+12 gravity sand filters)
- post-chlorination through chlorine gas
- pumping to the distribution network

- **Specific data:**

Total flow: 7.5 m³/sec

SS load of the project: 350 mg/l (SiO₂)

Turbidity upon exit: 1 NTU

- **Scope of the contract:**

- basic and detailed design
- rehabilitation and implementation of civil works
- procurement and supply of all the electromechanical and instrumental equipment
- erection on site
- commissioning, start-up and six months of operation



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