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Termomeccanica Ecologia

Potabilisation plant

Rio Mannu Pattada (Ss)

The water to be treated is surface water and comes from an artificial basin adjacent to the plant. The characteristics of the basin's water present the specific problem of micro-algae, that are eliminated for the most part in the first section of treatment constituted by a series of microfilters with mechanical action and continuous washing.



Water treatment

Potabilisation, Desalination and Remineralisation

Potabilisation plant Rio Mannu Pattada (Ss)



- **Name of the plant:**

Potabilisation plant for surface water coming from the Rio Mannu River basin in the Pattada site

- **Place of installation:**

Pattada, Sassari (Italia)

- **Client:**

Ente Sardo Acquedotto e Fognature (ESAF)

- **Plant description:**

- n° 3 microfilter units
- n° 3 clarifying basins with sludge recirculation
- n° 6 gravity sand filters
- n° 14 activated carbon pressure filters of 4 m. diameter
- chemical dosing systems (alpoclar, calcium chloride, sodium bicarbonate, chlorine dioxide, sodium hypochlorite)

- **Plant flow:**

750 l/s

- **Scope of the contract:**

- basic and detailed design
- coordination for the execution of civil works
- procurement and turn-key supply of all the electromechanical and instrumental equipment
- commissioning, start-up and six months of operation



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