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Termomeccanica Ecologia

Waste water treatment plant
Napoli est

The waste water treatment plant serves the district of East Naples and treats urban and industrial sewage for an overall flow serving 1,750,000 inhabitants equivalent.

Commencement date: 1983
Delivery date: 2000



Water treatment
Treatment of Civil and Industrial Waste Water

Waste water treatment plant Napoli est



- **Name of the plant:**
Waste water treatment plant of East Naples

- **Place of installation:**
Napoli East

- **Client:**
Consorzium FUGIST - Napoli

- **Plant description:**
The plant is arranged in two treatment lines, water line and sludge line:
The water line is composed of:
 - screening
 - sand removal
 - grit removal
 - flocculation
 - chlorination

The sludge line is composed of:

- pre-thickening of the sludge
- anaerobic digestion
- post-thickening
- dewatering of the sludge

The purified waters are released through submarine pipes.

- **Specific data:**
 - population served: 1,750,000 inhabitants equivalent
 - average flow: 26,000 cm³/h
 - maximum flow: 79,200 cm³/h
 - BOD₅ at input: 105,000 kg /day
 - nitrogen at input: 21,000 kg/h

- **Scope of the contract:**
 - Design, supply and erection of the electromechanical works relative to the urban and industrial water purification plant of East Naples, on turn-key basis



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