



**TM.E.S.p.A**  
Termomeccanica Ecologia

Waste water treatment plant  
**S.Croce sull'Arno**

The plant serves an area with great industrial intensity and with a heavy environmental impact, following the use of numerous chemical substances in the productive cycle of hide tanning.

The renovation works have improved the functionality of the plant regarding the hydraulic, management and environmental points of view.

Commencement date: 1999  
Delivery date: 2001



Water treatment

*Treatment of Civil and Industrial Waste Water*



- **Name of the plant:**  
Waste water treatment plant
- **Place of installation:**  
S.Croce sull'Arno (Italy)
- **Client:**  
Consorzium depuratore di S.Croce sull'Arno
- **Specific data:**
  - population served: 1,475,000 inhabitants equivalent
  - average flow: 1,265 mc/h
  - maximum flow: 1,265 mc/h
  - BOD5 at input : 1,500 kg /day



- **Plant description:**  
The process train is constituted of:
  - sand removal
  - biological oxidation of alkaline waters
  - biological oxidation: I and II stage
  - sedimentation and re-circulation of actives sludge
  - auto-production of pure oxygen
- **Scope of the contract:**
  - Works of rehabilitation of the centralised water purification plant of S. Croce sull'Arno.



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