



## AT A GLANCE

Location:  
Pattada (SS),  
Sardinia, Italy

Client:  
Pattada Local Council

Water treatment plant:  
Waste water treatment plant

Raw water:  
Civil waste water

Treated water quality:  
Suitable for safe discharge into the  
environment

Capacity:  
Former capacity: 50 m<sup>3</sup>/hour  
New capacity: 85 m<sup>3</sup>/hour

People served:  
Former plant: 6,000 pe  
New plant: 10,000 pe

## UPGRADE OF THE PATTADA WASTE WATER PLANT

Pattada is a provincial town near Sassari, in the region of Sardinia, Italy. Euro Mec was charged with the upgrade of the Pattada waste water treatment plant which, in addition to the total removal of suspended solids, bacterial loads and maximum odour reduction, had to have low maintenance and management requirements, automated machinery including localised alarms to reduce supervision and maintenance.

The project required Euro Mec to upgrade existing structures which had a treatment capacity of 6,000 pe and a flow rate of 50 m<sup>3</sup>/hour to serve 10,000 pe with a new flow rate of 85 m<sup>3</sup>/hour. In addition all revisions were carried out in line with local, national and European waste water discharge laws and standards such as those set by the directive 271/91/CEE regarding pollutant values and nitrogen levels in treated water being returned to the environment.

The project is a good example of the application of pretested equipment, to guarantee excellent reliability with minimum maintenance. In particular, the sewage oxidation and sludge transporting equipment were selected and dimensioned according to peak flows so as to ensure that the water quality is always suitable to be safely discharged into the environment.

*The photos shows the plant under construction (above) and equipment details (below).*



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