

# eco-Design Wetlands in the Sewage Treatment Plant of Marines - France

URBAN PLANNING AND LANDSCAPING: INFRASTRUCTURE AND WATER TREATMENT BY PLANTS

Client	City of Marines
Location	Marines
Project	Construction of wetlands
Mission	Landscaping
Consultant	AR ARCHITECTES
Designer	
Area	1 600 m <sup>2</sup>
Capacity	376 m <sup>3</sup> /d (5 000 inhabitants)
Cost	7 800 000 € (plants + wetlands)
Date	End of construction March 2009



Picture on the reconstructed wetlands



View on the entrance of the plant. Two constructed wetlands are designed outside of the road

This plant is designed in accordance with the HQE® standards : Zero visual pollution, Zero smell and sound pollution. During the design phase, all types of pollutions were kept at a low level using technical precautions that ensure comfort for on-site workers and surrounding residents. 3765m<sup>3</sup>/d of clean water are rejected by the plant and pass through 2 wetlands (1600m<sup>2</sup>), before returning to the river. Biodiversity have been restored on site.

