

# Treatment wetlands at Lotus Island on Yangchen Lake, Suzhou, China

## Lotus Island Ecological Treatment Wetland Yangchen Lake, Suzhou West Project

Owner:  
Local government,  
Jiangsu province, China

Domestic wastewater treatment for a restaurant and a tourist centre.

Start of operation: 2009

Capacity: 30 m<sup>3</sup>/d

Vertical subsurface flow constructed wetland:  
350 m<sup>2</sup>

Horizontal subsurface flow constructed wetland:  
100 m<sup>2</sup>

Sewage sludge reed bed: 50 m<sup>2</sup>



Design:

The sewage treatment plant consists of two vertical flow constructed wetlands (2), a horizontal flow constructed wetland (3), a reed bed sludge treatment basin (4), a septic tank (5), a polishing lagoon (6), an ecological island (7) and the water exit (8)\*

\*On the picture above you find the corresponding numbers

