

# Reed Bed Treatment System

## Wetland Restoration Project for wildlife protection

Owner:  
Momoge National Nature Protection  
Area Management Bureau  
Jilin province, China

**Treatment of polluted rice field  
irrigation water by constructed  
wetlands and restoration of natural  
wetlands**

Planning and design, construction supervision:  
Blumberg Engineers, Germany and  
Landcity International, China

Daily wastewater volume: 50.000 m<sup>3</sup>/d  
Discharge only from April up to October

Total design area: 681 ha

Planning: Since November 2010  
Construction: Start of construction in  
March 2012

Constructed wetlands (horizontal flow): 110 ha

Artificial Lake area: 40 ha

Restoration of natural wetlands : 446 ha

Final evaporation area (salt pan): 85 ha

### Special features:

- Cold winters (-30°C)
- High salinity of soils, no recipient,  
high diversity of waterfowl.

