

Turns DOMESTIC WASTE WATER into REUSABLE WATER

Germany's first certified small scale waste water treatment with membrane bioreactor technology



Reference waste water recycling

Type	BUSSEMF type MF-R 15	
Location	Apartment building "Grüne 9" Berlin-Charlottenburg	
Commissioning	2011	
Capacity	m ³ /d	15
Required space	[m x m]	7,0 x 7,0
Additional requirements	Multi-level treatment	
Reuse of water and energy recovery	Service water use for toilet flushing, washing machine, garden irrigation	

In the heart of the German capital, Berlin, an apartment building for about 500 people is being built that focuses on innovative ecology. One of the ecological features is the reuse of the domestic waste water as service water for toilet flushing, garden irrigation and even washing machines. A multi-level system with membrane technology assures the highest quality of the effluent. Therefore drinking water and the costs of it can be saved. In addition to that the residual heat of the waste water is used for heating the water. All designated ecological measures bring down the additional expenses for the residents. They can save about 1/3 of the costs. The completion of the building is scheduled for the end of 2011. Further information to come up.

