

## MBR Hohtaelli, Switzerland

### Task

Design, supply, installation and commissioning of the MBR compact plant in Zermatt together with our Swiss partner terraLink GmbH. Client: Zermatt Bergbahnen. Commissioning in 09 / 2004.

### Inlet

The membrane bioreactor plant receives the flows from the local toilet system of the Hohaelli mountain ski station in 3286m above sea level (next to the Matterhorn). Approx. 500 toilet flushings are treated per day.

### Process Description

The raw water passes a combined primary settlement and equalisation tank before overflowing to the membrane bioreactor by gravity. The filtrate passes through the membranes via filtrate pumps. The structure also comprises filtrate collection, additional UV light disinfection and a pumping station to reuse the filtrate for toilet flushing. Surplus sludge is periodically removed and drained by drain bag.



### Design Data

Toilet flushings	approx. 500
Average flow (m <sup>3</sup> /d)	3,0
No. of siClaro® Filter	3,0