

Wetland Treatment Roof in Switzerland

Wetland Roof

Zofingen, Switzerland

Employer:
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Purpose:
Wetland roof for grey water treatment,
stormwater retention
and cooling of the building in Zofingen,
Switzerland

Building Type:
Single-family house

Roof area:
52 m², 15° roof slope

Treatment cascade:

Buffer pond with planted regeneration zone >
filter system > water use for toilet flushing,
kitchen, washing machine > water storage tank
(4 m³) > pressure pipe to wetland roof >
backflow to buffer pond

Steering:
central PLC with temperature sensor

Start of operation:
October 2016

Marsh plants (helophytes), planted into special
water storage mats:
Carex ssp., Juncus ssp., Iris ssp. Lythrum ssp.,
Mentha ssp., Ranunculus ssp., Caltha ssp.,
Valeriana ssp., Lysimachia ssp., Rumex ssp.

