

## Small Biotope

Langenthal, Kt. Bern , Switzerland

„Everything is in motion and nothing stops“ (Heraklit of Ephesos)



**Langenthal, Kt. Bern, Schweiz**

### Operation

1 OLOID Type 200 A  
in Biotope with approx. 50 m<sup>3</sup>

### Period

Since 1995

### Success

pH-value: 7.1  
Alkali content: not known

Avoidance of algae and  
duckweed

Biotope revitalisation

### Description of the plant

The biotope, built in 1988, is elongated and curved, has an area of approx. 30 m<sup>2</sup> and is alternately up to 1.5 m deep with a volume of approx. 50 m<sup>3</sup>. It is sealed with a pond liner and is fed directly by rainwater and by the roof water via the rainwater tank. The biotope is used for personal relaxation and aims to preserve and promote the biodiversity of the area. The diverse garden, some bee colonies and some bird species also contribute to this. Newts, salamanders, frogs and toads live in the biotope, and gold minnow, sunbleak, common minnow and rainbow shiners were also released in the summer of 2019. The biotope is overgrown with willows and two maple trees.

### Goal of the OLOID operation

In 1995 an OLOID Type 200 was used in continuous operation in the biotope in order to contribute to the water revitalisation with its natural flow generation. Nevertheless, duckweed grew from time to time and the entry of leaves from the surrounding trees also resulted in a lot of mud over time. In autumn 2018, the biotope was completely cleaned and the following summer the water was added with a Biobird algae killer. In autumn 2019, a net was temporarily stretched over the water to catch the many leaves. With the help of the OLOID, the water is clear again.

### Success

The OLOID has been serviced regularly over the past 24 years and, pleasantly, runs very quietly. The current generated by the OLOID contributes to a peaceful atmosphere that invites you to linger under the beautiful weeping willow. The children of the family liked to watch the OLOID and especially enjoyed the spreading waves. The water quality varied over the years due to the lush vegetation in the warm season. The recently implemented measures should lead to a permanent high quality.