

Increase in production over 30%

Fish farm Sitzenberg-Reidling, Sitzenberg, Austria



Teichwirtschaft Sitzenberg-Reidling
<http://www.weihnachtskarpfen.at/>

Operation

Large pond 5.6 ha; 5 m deep
Small pond 1.35 ha; 1.5 m deep
with each 1 OLOID Type 400 A

Period

Since 2004

Success

Increase in production over 30%

Higher Oxygen content

Site Description

The carp farming system consists of two ponds. The large pond has a water surface of 5.6 ha with a maximum depth of 5 m. The small pond has 1.35 ha and is 1.5 m deep. Both ponds are interconnected. In the large castle pond every fall 6-7 tonnes carp are harvested. The ponds are supplied by a small tributary of a intensively farmed area with water.

Objective of the OLOID use

Aeration of ponds and reduction of ammonia and nitrite concentrations, especially in the summer months .
Reduction of green and blue-green algae, as well as increasing the health of carp stocks.

OLOID use

An OLOID Type 400 A is deployed on the big Schlossteich in June 2004. A second OLOID Type 400 A is in use on the small castle pond from June 2005.

Annual return

2005	6300 kg
2006	7300 kg
2007	8440 kg



Results

The Austrian water protection guard carried out investigations:

- The oxygen content has increased and the values have stabilized
- The algae production has visibly reduced
- Ammonium and nitrite are only measured in acceptable concentrations
- The annual yield of carp has increased by over 30% since 2005
- The summer issue outages caused by oxygen deficiency could be avoided

