

## 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

