

## Swimming pond free from floating and green algae



### Initial situation

A 9x5m swimming pond with a walled foil pool, plus a filter zone of 2.5m with a water height of 0.4m and a swimming area 1.7m deep throughout, has to struggle for many years with suspended algae and green algae on the walls. After countless attempts with chemicals, the customer wanted an ecological and permanent solution to combat algae growth.



### Consulting & Analysis

With the information for the assessment of swimming ponds and swimming pools the conditions for optimal success could be checked:

- Morphometric data: shape, volume, area, average and maximum depth
- nutrient concentrations: phosphate, total phosphorus, nitrate, N-total, nitrite

## Solution

- Installation of a G-Sonic 10 S algae free device at an optimal position for the best possible click sound in the swimming pond.
- Ongoing pond cleaning to remove the dead algae and nutrients from the pond.

## Click generator positions

With a range of 10 meters each, the click generator was installed at the corner edge of the swimming pond, about 15 cm below the water surface.



## Results

The installation took place in spring and in midsummer the swimming pond had crystal clear and almost algae-free water. In the swimming pond it's fun to swim again and the effort has been reduced considerably.

## Follow-up inspection

The pump was switched off afterwards, as the underwater current hindered the clicking sounds and thus the effectiveness of algae reduction. The algae-reduction device is still successfully in use today.

