



DECORATIVE POND INSTALLATION



The Installation: a 500 m² decorative pond with 150 m³ of water in front of a large industrial company's main office.



The Problem: the pond is just in front of the main entrance to the company and there are very high expectations as to the water quality in the pond. Despite there being a state of the art water control system with automatic measuring and dosing of chemicals to the pond, they had several times algae growth in the water.

The disinfection system was a mixture of 3 technologies:

- Hypochlorite and acid as a pool control system
- Bromine dosing system
- UV light

Even with all 3 systems running the problems appeared from time to time. Frequently the pond had to be emptied, cleaned and filled up again. Both algae growth and consequent cleaning process had a very negative visual impact on the company's image and caused them a serious problem.

The Solution: a DCW T25 generator of 120 liters per hour was installed to disinfect the decorative pond water. The generator is control by an ORP sensor and delivers the produced liquid directly to the pond system.



Just using salt, electricity and water, the DCW generators produce a non-toxic, non-harmful powerful disinfectant.

The Results: crystal clear water without any algae growth.



The Benefits:

- **Safety**
 - no need to mix or dilute hazardous chemicals.
 - environmental friendly solution.
- **Efficiency**
 - elimination of biofilms, algae and inactivation of pathogenic microorganisms including Legionella species, and nil or low bacteria counts.
 - creates a longer-lasting residual than traditional chlorination, often at a lower dosage.
 - right dosage, no more no less – corrosion is reduced.
- **Cost reducing**
 - the total installation has a payback time less than 1½ years.
 - the system is fully automatic and only requires minimal operator attention.
 - no need for transport, handling or storage dangerous chemicals.