



Danish Clean Water



Cooling Pond Water Disinfection



The Installation: a ornamental pond with circa 500 m³ of water used for cooling down several heating systems.



The Problem: the water of the pond is subject to all kind of dirt and several times had algae growth and high bacteria counts. The chemicals used didn't solve the problem. So often



the water had to be discharged, the pond had to be washed and filled up again. This procedure was very time consuming and also had a negative visual impact on the citizens.

Another problem was the delivery of the chemicals. They had to be taken by the corridors of the city hall, down to a difficult accessible basement.

Also the use of dangerous chemicals didn't match the city hall workers safety policies.

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The Solution: a DCW T25 generator of 250 liters per hour was installed to disinfect the cooling pond water.



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 or



harmful bacteria counts.



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 system is fully automatic and only requires minimal operator attention
 - cost of solution production cheaper than chemicals
 - no need for transport, handling or storage dangerous chemicals