

Solutions for Solving the Toughest Industrial Wastewater Challenges



Aquarden
TECHNOLOGIES
Your water. Our business.

Aquarden – a total solution provider

Aquarden Technologies is an expert in sustainable treatment of problematic wastewater and offers total solutions for solving some of the toughest wastewater challenges. We deliver consultancy, turnkey systems, and services – all customized to meet customers' specific requirements.

Our mission is to help customers in complying with the highest environmental standards for wastewater treatment by providing cost-effective solutions with the best available technology and wastewater expertise. Our solutions benefit several different industries like biotech, chemical, pharmaceutical, landfill and petrochemical.

The company is based in Denmark, and our facilities include fully equipped production halls, chemical laboratory, R&D, and test facilities for our expanding team of specialists.

Our SCWO system

Wastewater can be a hazardous cocktail of PFAS, pharmaceuticals, solvents, detergents, industrial chemicals, hormone-disrupting compounds, pesticides, and more. Aquarden's proprietary and prize-winning SCWO system SuperOx[®] is specifically designed for treatment of wastewater with high contents of toxic and hardly-degradable organic substances.

The fully automated SuperOx[®] system efficiently removes organics, salts, and heavy metals in one step. The purified water is so clean that it can be discharged directly to the ocean or reused as process water. The method behind SuperOx[®] is SCWO (SuperCritical Water Oxidation). Aquarden's patented SuperOx[®] was launched in 2015.

Documented results

We have successfully treated a wide range of wastewater streams from pharmaceutical wastewater to PFAS-contaminated leachate and AFFF Firefighting Foam containing very heavy amounts of PFAS. Tests verify a typical oxidation efficiency of SuperOx[®] with a 99,99% destruction rate. These results are remarkable: All environmentally dangerous substances were broken down completely. Refer to our homepage for case studies.



Aquarden's SCWO system; SuperOx[®] is awarded with the prestigious European Business Award for the Environment 2016 in Denmark. The prize is given to a new and innovative product and service that significantly contributes to a sustainable development.



The modular on- or offsite SCWO-system, SuperOx[®] completely destroys hardly-degradable and hazardous pollutants in industrial wastewater.



Leachate from landfill before and after treatment in Aquarden's SCWO system, SuperOx[®]. The result is pure water that can be discharged to receiving water bodies.

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