

# 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 green, and cost-effective solutions with the best available technology and wastewater expertise. Resource recovery is an integral part of Aquarden's R&D philosophy. Our solutions benefit a number of different industries like biotech, chemical, pharmaceutical, landfill, laundries, galvanic, and petrochemical.

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

## Our flagship, Waterox

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

The fully automated 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 Waterox is called SCWO (SuperCritical Water Oxidation). The patented Waterox-system was launched in 2015.

## Documented results

We have successfully treated a wide range of wastewater streams from pharmaceutical wastewater to landfill leachate. A recent test, verified by an independent research and technological institute, documented the effectiveness of Aquarden's SCWO-technology on hospital wastewater with more than 60 active pharmaceutical ingredients – many categorized as highly hazardous substances by the Danish EPA. The results are remarkable: all environmentally dangerous substances were broken down completely. Refer to our homepage for case studies.



Aquarden's Waterox system 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 and onsite Waterox-system completely destroys hardly-degradable and hazardous pollutants in industrial wastewater.



Leachate from landfill before and after treatment in Aquarden's Waterox system. The end product is pure water that can be discharged to receiving water bodies.

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