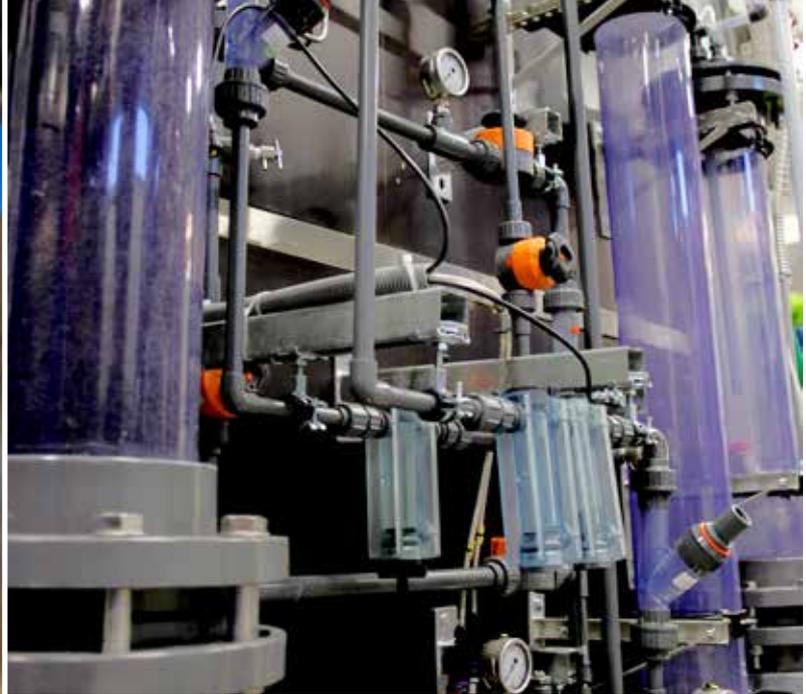




Tailored wastewater treatment systems

EFFICIENT WATER TREATMENT STARTS WITH A PILOT PROJECT

 **ozonetech.**



WE DELIVER TREATMENT SYSTEMS AND SERVICES

Industrial process water treatment is a complex task. Process wastewater has unique characteristics which require special consideration in order to comply with environmental regulations and company policies.

At Ozonotech, we realize that treatment of all wastewater streams need a tailored solution. We offer full-scale treatment systems based on pilot-scale projects using our know-how and in-house pilot facility.

FIVE STEPS CLOSER TO A FULL-SCALE SYSTEM

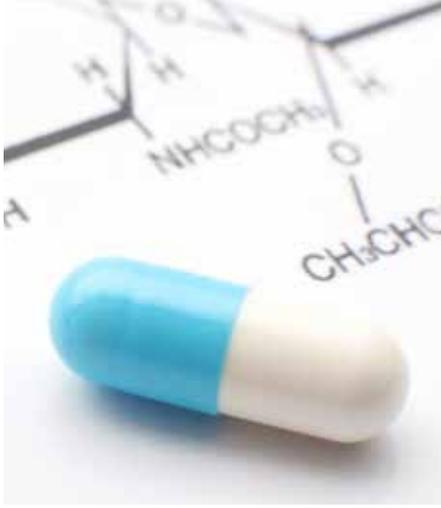
We offer complete project management and execution throughout the pilot project.

FEASIBILITY STUDY

In close collaboration with the client, Ozonotech's engineers evaluate the feasibility for a full-scale system based on vital wastewater parameters such as chemical and biological oxygen demand, particles and type of constituents. If the full-scale treatment requirement is considered achievable, the pilot project continues.

SCREENING

Pre-treatment is performed to find the best system parameters such as suitable pH, foaming control and, if required, pre-filtering in our facility. At this stage, best available technology (BAT) principles are applied. We offer both ozone and advanced oxidation process (AOP) treatment technology.



A WIDE RANGE OF INDUSTRIES

PHARMACEUTICAL INDUSTRY

Due to their complex molecular structure, pharmaceutical residues are becoming a growing problem in biological treatment plants. Ozone treatment is a proven technology to remove these micro pollutants directly at the production facility, hospitals or municipal wastewater treatment plants.

*Examples of active substances that can be treated: **paracetamol, codein, propofol.***

PROCESS INDUSTRY WASTEWATER

Industrial process water from the oil industry, chemical production, recycling or the textile industry typically contain compounds which are difficult and expensive to handle in order to comply with environmental regulations. Our technology provides a cost effective solution.

*Examples of active substances that can be treated: **amines, solvents, alcohols, aldehydes.***

FOOD & BEVERAGE PRODUCTION

Food and beverage production generates effluent process water with elevated levels of biological and chemical oxygen demand (BOD and COD) due to organic residues and chemical use. Ozone technology helps reduce the wastewater load. Our pilot projects will help determine the most suitable full-scale system and capacity to achieve treatment goals.

*Examples of measurable treatment parameters: **COD, BOD, TOC, color, turbidity.***

PILOT SCALE TREATMENT

Based on the most suitable pre-treatment and technology selection, our process engineers conduct treatment of the wastewater using our in-house pilot system. Wastewater is sampled throughout the treatment and submitted to an accredited lab for analysis of relevant parameters.

REPORT

After analysis of relevant parameters of the wastewater samples during treatment, we provide the client with a thorough report containing methodology, treatment results and other vital findings.

DESIGN OF FULL-SCALE SYSTEM

Based on the findings and assessments made in the pilot project report, we provide the client with a design proposal and offer for a full scale system with performance guarantees pertaining to the agreed requirements.

About Ozonotech

Ozonotech is an award-winning green-tech company that has offered premium products for air and water treatment through the use of ozone since 1993.

Our unique technology and extensive expertise has made us a rapidly growing global company with installations in six continents. All development and manufacturing is located in Sweden. In addition, we have in-house specialists for consultation, planning, installation and service.

As a “Center of Excellence” within air and water treatment, we also collaborate in international efforts to develop global standards for purification solutions.

At Ozonotech, we have a strong incentive to reduce energy waste, health risks and the impact on the environment. Our current solutions provide a multitude of benefits in the processing and food industry, real estate, commercial kitchens as well as in the retail market.

For additional information, visit our website at: www.ozonotech.com

Elektravägen 53
SE-126 30 Hägersten, Sweden
+46 8 714 07 00
www.ozonotech.com

