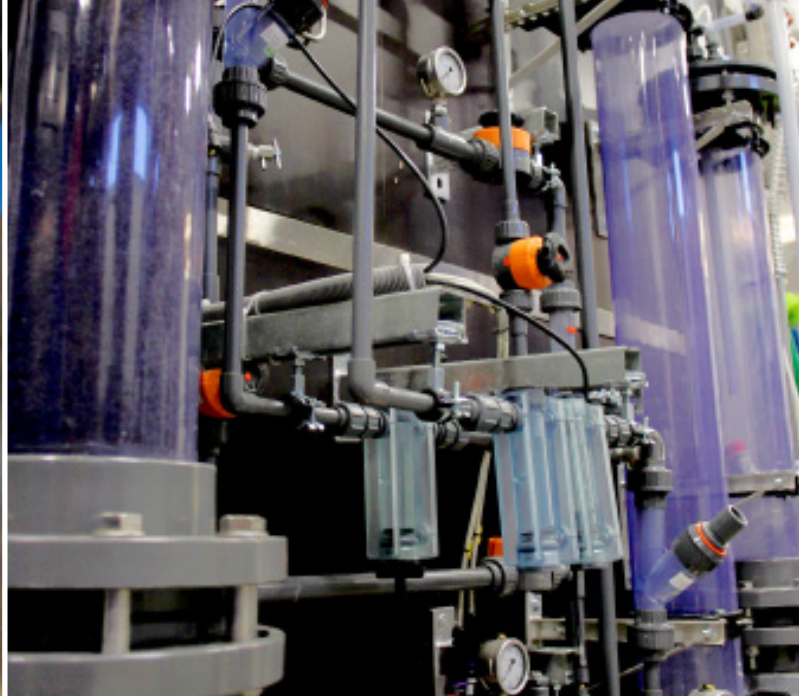


Tailored
wastewater
treatment
pilot

Tailored Wastewater Treatment Systems

Efficient water treatment starts with a
pilot project

MELLIFIQ



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 Mellifiq

Mellifiq is a multi-awarded environmental service company group, that has since the early nineties evolved into a world leading system and solution provider with multiple groundbreaking applications for industrial, municipal, and real estate clients. We supply cutting-edge technologies to manage the most sophisticated air, water, and energy challenges.

Mellifiq offers a complete range of air and water treatment technologies and solutions across multiple industries such as processing industry, energy sector, food and beverage, pharmaceutical, wastewater treatment and commercial real estate.

Mellifiq offers strong and renowned brands, such as Ozonotech, Nodora Water Maid, Saniray, Axolot and world-class engineering services combined an excellent track record of more than 40 years of innovation. We help our clients achieve the most efficient and sustainable solutions while creating the maximum value for their businesses.

With several business units across Europe, Mellifiq is headquartered in Stockholm where research and development, production, QA and certification all take place. Our unique technology and our extensive expertise have made us the Center of Excellence for the world's most complex projects, and a global player with installations on all six continents.

Everyday millions of people rely on our solutions for ventilation, disinfection, sanitation, and odor control. We are committed to raising the bar for the concept of clean and the industry standard for engineering, technical services and general contracting.

For additional information, visit our website at www.mellifiq.com

