



Hygienisation of wastewater to produce technical water for reuse

**Mellifiq's RENA Vivo ozone system
used for disinfection and reduction
of micropollutants in municipal
wastewater**

MELLIFIQ

Wastewater Treatment Plant, Eslöv, Sweden

A wastewater treatment plant outside of Eslöv turned to Mellifiq for a solution to disinfect treated wastewater, in order to facilitate water reuse. The produced technical water is to be used as process water in other parts of the organization.

Facts

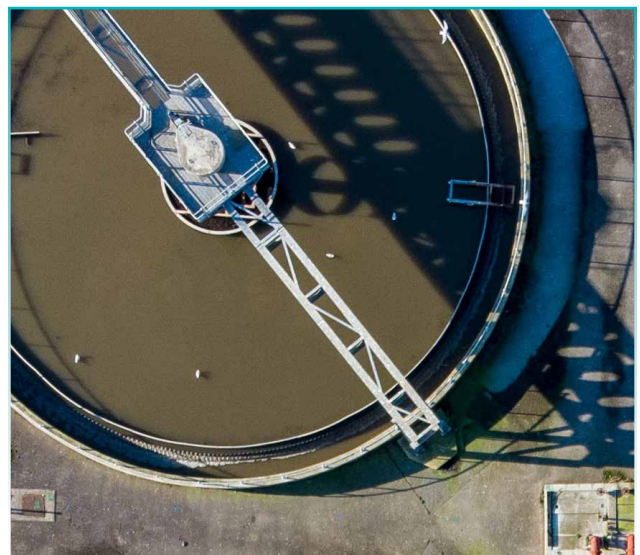
Name:	Eslöv municipality
Location:	Eslöv, Sweden
Industry:	Public utility
Project value (USD):	100 000
Challenge:	Disinfection of wastewater

Solution:

Mellifiq delivery:	Ozonetech RENA Vivo A2 ozonation system for disinfection
Capacity:	20 m ³ /h
Dimensions:	1200 x 800 mm

The problem

Municipal wastewater treatment aims at reducing the nutrients nitrogen and phosphorus using chemical and biological treatment techniques. The resulting wastewater contains microorganisms such as bacteria and viruses, inhibiting the usage of treated wastewater for other applications.



The solution

Mellifiq's RENA Vivo ozone system was installed at the treatment plant, enabling disinfection of wastewater flows up to 20 m³/h. The system includes safety features to ensure a safe working environment, and thanks to the modularity of the system, it can be upgraded as the demand for technical water increases.



The Ozonotech RENA Vivo system installed on site.

Evaluation

The RENA Vivo ozonation system can be used all around the clock in a continuous process. As a result, the wastewater plant's tap water usage can be reduced by over 3 000 m³ every week. Thanks to safety mechanisms built into the system, the staff can feel confident that there are no safety hazards while operating the system.



Front view of the Ozonotech RENA Vivo.

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 and Water Maid, 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

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