

Wastewater Treatment Plant | South part of Sweden

A wastewater treatment plant which helped a food industry in southern Sweden expand its capacity, meet strict discharge requirements, and secure a cost-efficient solution for the future.



The container-based solution cut construction costs and enabled a faster, more efficient path to sustainability.



Mats Josefsson
Product Manager

+46 70 319 79 99
mats.josefsson@enwa.com

YOUR CONTACT PERSON

About the Customer

Capacity Expansion – Water Quality Challenges

A food industry in the southern part of Sweden needed to expand its wastewater treatment capacity. Increasing production volumes put pressure on the existing system, while the municipal treatment plant required higher water quality and reliable online reporting. Meeting demanding discharge values, such as TOC, was particularly challenging. At the same time, the customer wanted a cost-efficient solution without the need to construct a new building.

Our Delivery

Tailored Design Backed by Expertise

Enwa Water Technology, in close cooperation with EnviroChemie within the Enviro Water Group, designed and delivered an external wastewater treatment plant tailored to the customer's needs. Detailed water analyses from EnviroChemie's laboratory formed the basis for the treatment concept.

Compact and Efficient Treatment Process

The plant consists of a combination of large process tanks and container-based modules, making installation faster, more compact, and more economical. The treatment steps include fine screening, pH balancing, flotation, and a biological reactor system. Together, these processes secure that the water meets the municipal authority's requirements.



Wastewater Treatment – South part of Sweden

Automated Monitoring and Reliable Reporting

A modern control system monitors all critical parameters and automatically adjusts the process when needed, ensuring stable operation. With the support of our instrumentation partner, the online monitoring equipment was adapted to the site's conditions, enabling immediate and reliable reporting after startup.

Flexible, Scalable, and Cost-Effective Solution

The customer now benefits from a flexible and scalable wastewater treatment solution that not only supports their production growth but also ensures long-term compliance with environmental standards. By choosing a container-based approach, they avoided large construction costs and gained a faster, more efficient path to a sustainable operation.

CHALLENGES

- Rising production required more treatment capacity
- Stricter municipal discharge requirements
- Need for reliable online monitoring and TOC compliance

SOLUTIONS

- External, container-based treatment plant
- Tailor-made process design based on lab analyses
- Advanced control and monitoring system

INTERESTING PARTS OF THE DELIVERY

- Fast and cost-efficient installation
- Collaboration with EnviroChemie and their lab expertise
- Immediate compliance with authority