



# FLO SALIS

WASTEWATER PURIFICATION

SUSTAINABILITY SOLUTIONS

REDUCES WATER CONSUMPTION BY 80%

PROCESS THE BEST QUALITY WATER

LIMITS LANDFILL COSTS



**SWI**  
THINK SMART & BETTER

# WASTEWATER PURIFICATION



## *Oysters: A Harmony between Nature and Technology*

In nature, oysters play a crucial role in water purification. Thanks to their natural filtration process, a single oyster can filter up to 190 liters of water per day, removing impurities and improving the quality of the water in its environment. This extraordinary ability is a testament to the balance and efficiency that nature has perfected over millions of years.

## *Our Containers: Innovation Inspired by Nature*

Just like oysters, our wastewater regeneration containers are designed to purify and recover water in an efficient and sustainable way. Through an advanced purification process, our containers remove contaminants and restore water quality for reuse, relieving pressure on water resources and reducing the industry's environmental impact.

## *The Essential Similarity: Purification as a Pillar of Sustainability*

1. Natural Efficiency vs. Technological Efficiency: Just as oysters filter and purify water naturally, our containers do so using the most advanced technology. Both of these solutions — one from nature and the other from human innovation — show that it is possible to keep water clean and safe for reuse.

2. Positive Environmental Impact: Oysters contribute to the health of aquatic ecosystems by maintaining water balance. Similarly, our containers enable industries to operate more sustainably, reducing their water footprint and ensuring that water, a vital resource, can be used again and again without degrading its quality.

3. Adaptability and Resilience: Oysters thrive in a variety of aquatic environments and continue to purify the water even in harsh conditions. Our containers, inspired by this capability, are designed to provide reliable and efficient purification, no matter how complex the industrial challenges.

With water no longer a stable resource and water prices continuing to skyrocket, water reuse makes economic and environmental sense. Especially now, when in several European countries strict regulations on the volume of wastewater and limitations on effluent parameters are coming into force. We know how to help you meet these challenges and reduce your water consumption.



## CHALLENGES

### 1. Water is no longer a stable resource

- Groundwater is becoming scarcer
- Permits for groundwater extraction are phased out or restricted

### 2. Strict regulations on wastewater discharges

- Limitations on wastewater volume
- Limitations on effluent characteristics, such as COD, heavy metals, AOX, etc.
- Prices are constantly increasing
- Public water is becoming more expensive
- Wastewater discharge tax levels continue to rise

## THE SOLUTION

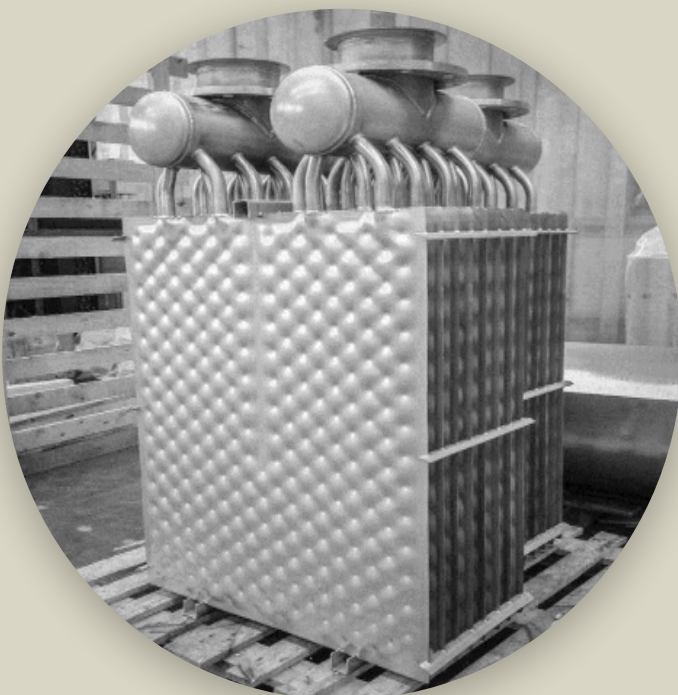
Are you looking to reduce your water-related expenses while limiting wastewater discharge? Look no further! With FLO flo salis for industry, you reduce your water consumption by at least 80% thanks to a sustainable water supply with a cost-effective "ready-to-connect" solution that offers the best water quality for your industrial process.

### The concept

FLO SALIS is a "ready-to-connect" container-system that recovers, treats and recycles wastewater and converts it into the best quality water for your washing process and boiler room.

But it's even more than it seems. The system also replaces all equipment related to water treatment in your laundry. In short, it is an all-in-one installation.

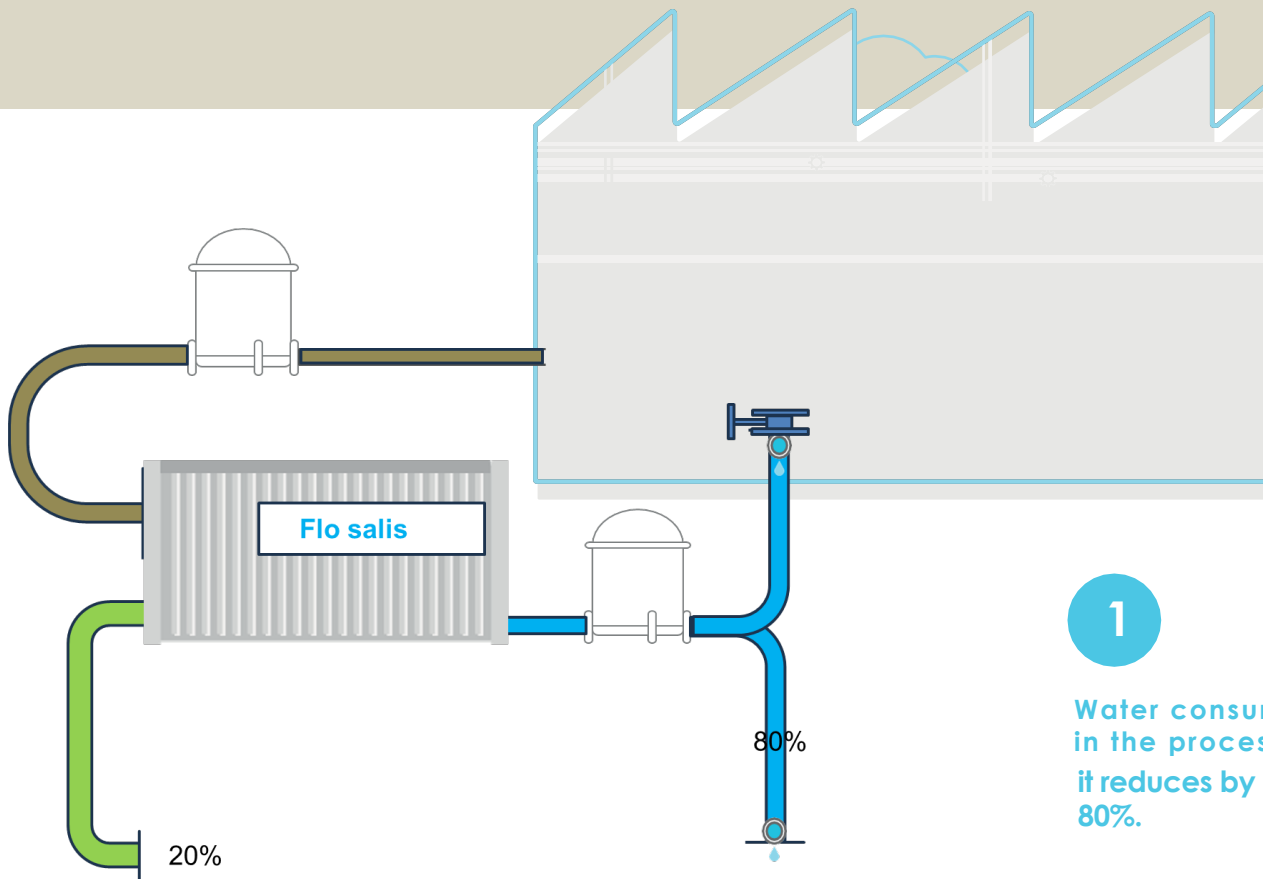
- FLO SALIS technology makes all additional treatments such as:
  - Iron remover
  - Softener
  - Boiler water treatment (reverse osmosis)
  - Heat exchanger
  - Wastewater Treatment



| Without FLO SALIS  | With FLO SALIS   |
|--|--|
| Investment in multiple water treatment facilities (iron remover, water softener, heat exchanger, etc.) | Investment in a single installation  |
| High maintenance and lifecycle costs of different water treatment devices.                             | Limited maintenance and operating costs                                      |
| Numerous hours of supervision and maintenance for the different installations.                         | 1 supervisor for 1 installation  |
| Large volume of wastewater   | Limited volume of wastewater   |
| Contaminated effluent  | Effluent free of components such as microplastics, heavy metals and bacteria |
| Good water quality   | Excellent water quality for the washing process and boilers                  |



## CLOSED-LOOP WATER SUPPLY



1

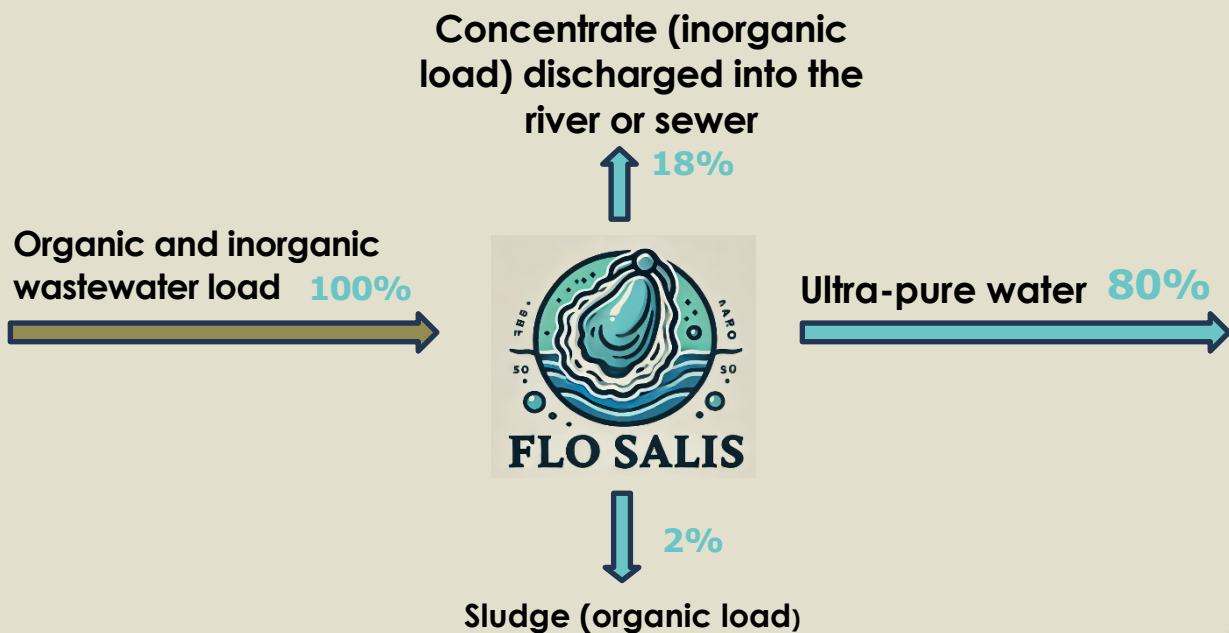
Water consumption in the process is reduced by at least 80%.

3

**Poured**  
Less than 20% of the process water is discharged.  
The effluent does NOT contain substances such as microplastics, heavy metals, and bacteria.

2

**Water Treatment and Purification**  
No additional treatment such as water softener, reverse osmosis is needed,...  
The HydRO unit generates excellent quality water for the washing process and boiler room.



## WHAT DO YOU GET OUT OF THIS?

### QUALITATIVE Process

- Excellent water quality for YOUR INDUSTRIAL PROCESSES
- Lower conductivity

### EFFICIENCY

- Reduction of water consumption by 80%
- Significant savings in landfill costs
- Savings in CO2 emissions - carbon credits

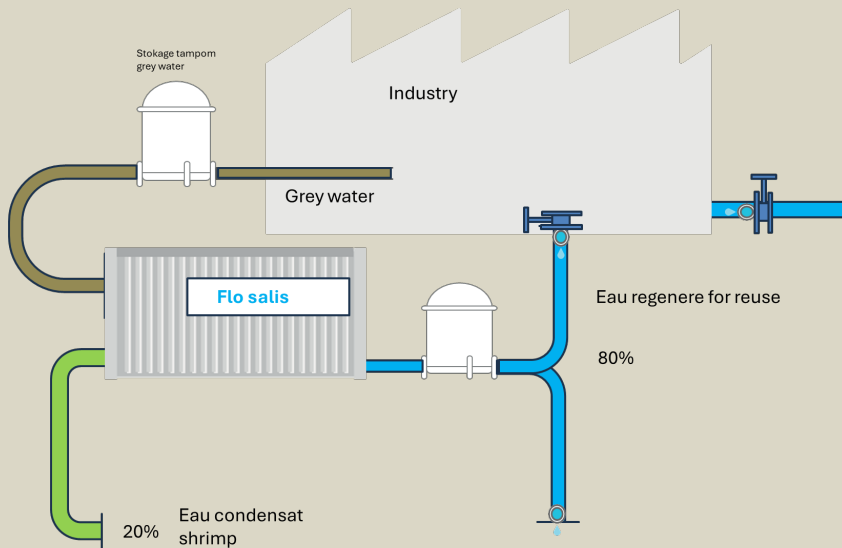
### SUSTAINABLE Operations

- Less than 20% wastewater
- No substances in the effluent such as heavy metals, microplastics and bacteria.
- Reduction of COD, BOD, AOX, suspended solids,...
- Limitation of eco-toxicity

### FLEXIBLE concept

- "Ready to connect" container system
- Customized to Reach Wastewater Quantity
- All-in-one – no additional water treatment required
- Simplification of technical installation





### Flo Salis Technology: Efficiency and Sustainability in Industrial Water Treatment

At Flo Salis, we have developed an innovative and efficient technology for the treatment of industrial and wastewater, presented in a containerized format that facilitates its integration into any industrial process. Our solution is plug and play, meaning it can be quickly installed and brought online, allowing for immediate on-site treatment of contaminated water.

Inside this container, our technology relies on an advanced distillation process, recognized as one of the most effective methods for purifying wastewater. However, while distillation is extremely effective, it has a significant drawback: its high energy consumption.

At Flo Salis, we have reinvented the thermodynamic cycle of distillation to make it much more environmentally friendly and significantly reduce its energy consumption. This process has been validated after more than ten years of research and development, during which we have tested and perfected our technology in various industries and conditions.

One of the major advantages of our technology is that it does not clog, unlike other methods such as nanofiltration or reverse osmosis, which can quickly become ineffective when the water is heavily loaded with contaminants. Thanks to our unique approach, we are able to recover up to 80% of high-quality water, ready to be reused in your industrial processes.

Our Flo Salis technology represents an effective and sustainable water treatment solution, specifically designed to address today's environmental and energy challenges. It is an ideal option for industries seeking to improve their water management while reducing their ecological impact.