



Containerized MBR

RELIABLE. AUTOMATED.
PLUG & PLAY.



FTREUSE

Wastewater recycling and reuse specialists

Our systems are designed to perform in hot, arid climates, with minimal infrastructure requirements and reduced environmental footprint. The most sustainable and efficient solution for:

- Hotel Resorts
- Urban Developments
- Mining Camps
- Malls
- Remote Villages

Main Advantages:

- Small footprint: Only 30% of the space required by conventional treatment systems.
- High-quality effluent: Complies with strict international standards for water reuse (WHO, GCC, local). Suitable for irrigation, industrial reuse, and aquifer recharge.
- Low sludge production: No settling, filtration or sterilization stages needed.
- Fully automated: Minimal labor and supervision required.
- Low energy consumption: No backwash; minimal cleanings.
- Reduced OPEX: Low chemical use and membranes with up to 10 years of useful life.

Remote Monitoring with ELVIS INDY WATER

Advanced control for decentralized wastewater treatment.

Elvis Indy Water is a cloud-based platform integrated into our containerized MBR systems. It allows full remote monitoring and control of the plant from any device — mobile, tablet or PC.

Main features:

- Real-time performance tracking
- Advanced alerts and proactive maintenance
- Remote access via Wi-Fi , 4G or Ethernet
- Exportable data logs and KPIs
- Multi-user dashboard access

TECHNICAL HIGHLIGHTS

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ANOXIC CHAMBER

Denitrification zone, where nitrogen compounds are biologically removed under low-oxygen conditions.

1

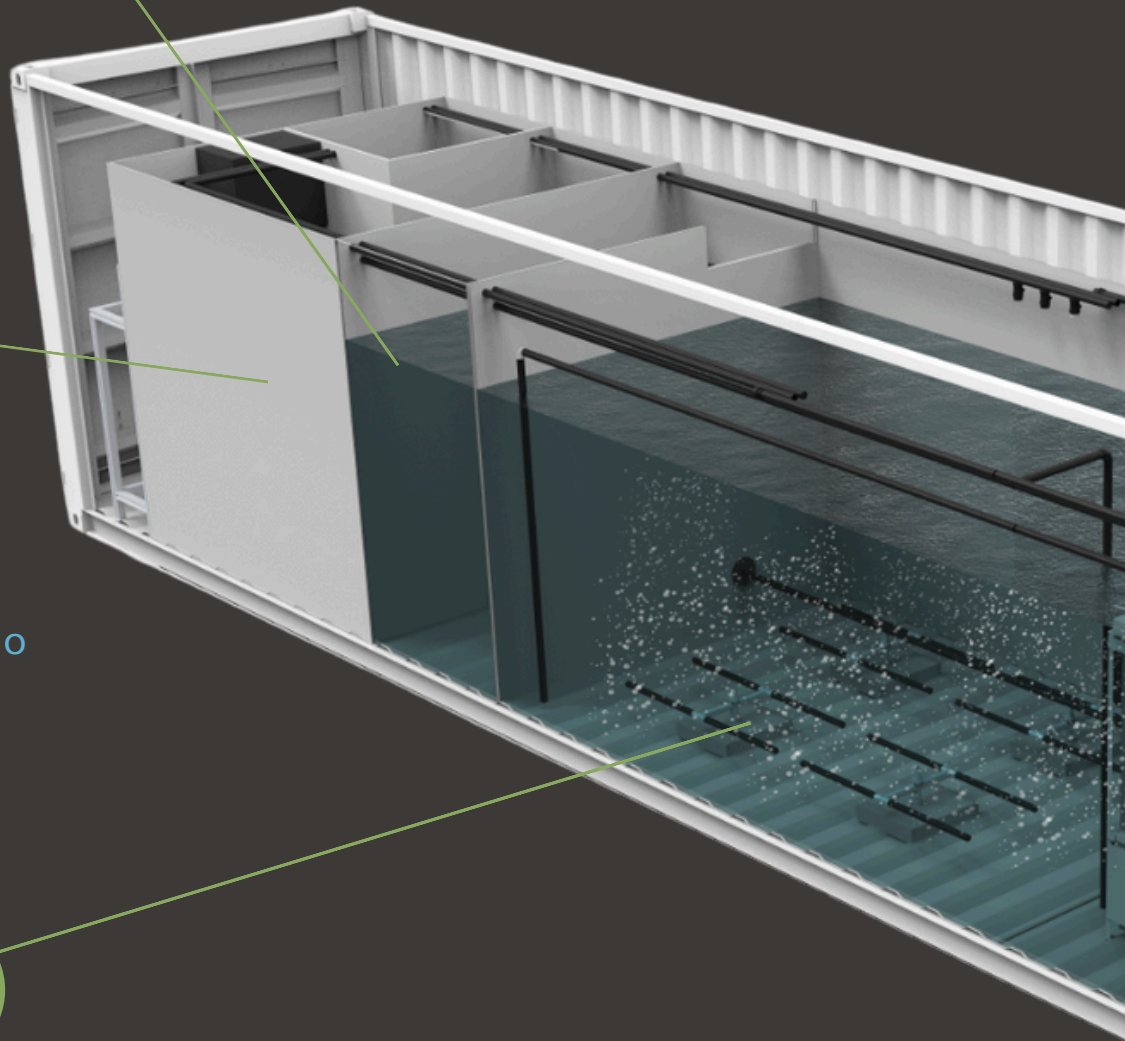
ROTOSCREEN FILTER

Removes coarse solids (1-2 mm) to protect the downstream membranes and avoid clogging.

3

AERATION CHAMBER/ NITRIFICATION THROUGH HIGH EFFICIENCY DIFFUSERS

Nitrification and BOD removal via high-efficiency air diffusers. Ensures biological treatment and optimal membrane performance.



TECHNICAL HIGHLIGHTS

4



Submerged UF membranes with high efficiency and low energy consumption membrane modules

5

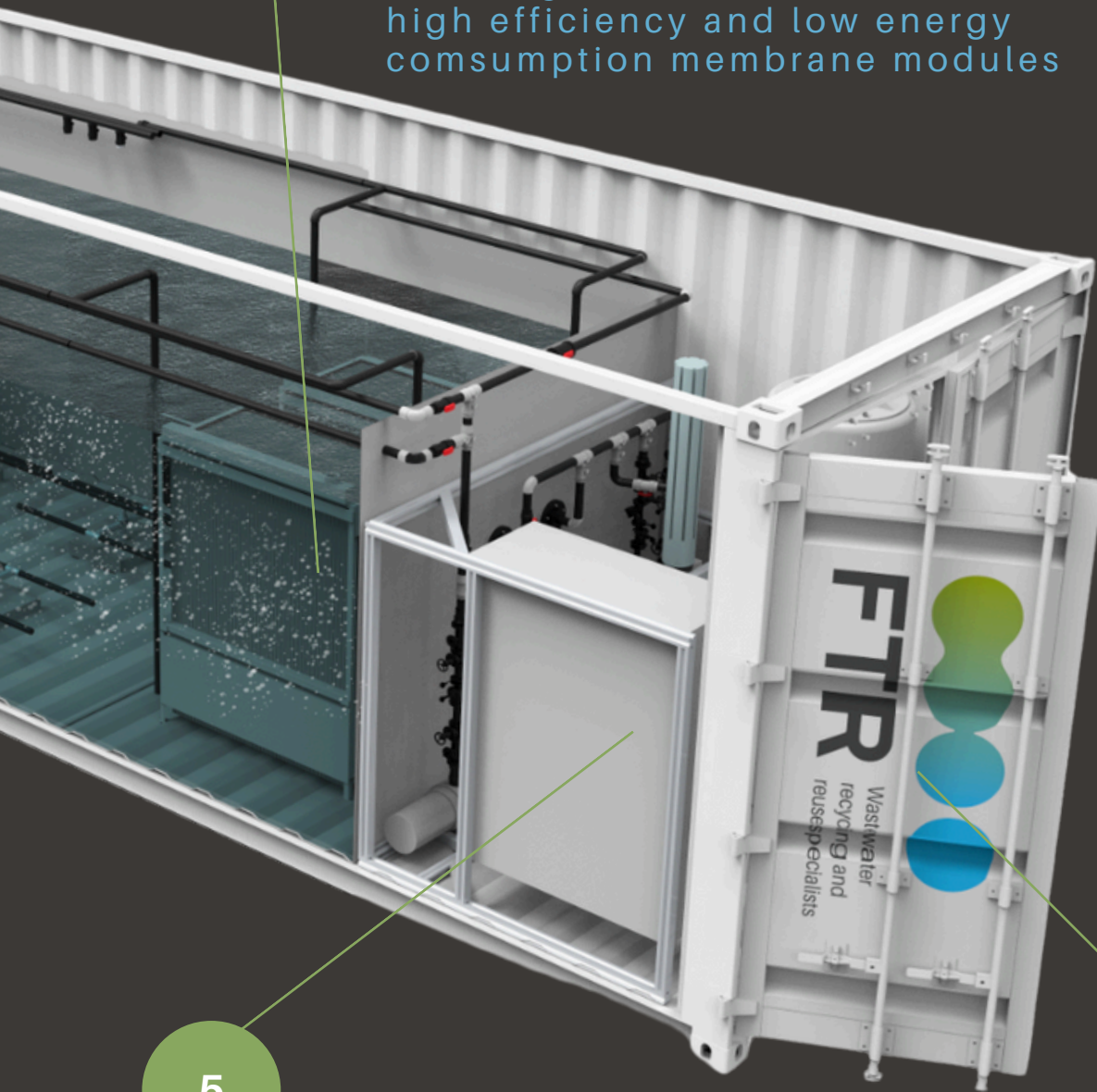
AUTOMATIC CONTROL SYSTEM

Interfaces directly with Elvis Indy Water for remote operation.

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STANDARD HI-CUBE SEA CONTAINER

Complete modular system for easy transport and minimum footprint requirements





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