

RePak

Ready to Deploy Solutions
for Water Reuse



Ready to Deploy UF+RO systems for water reuse

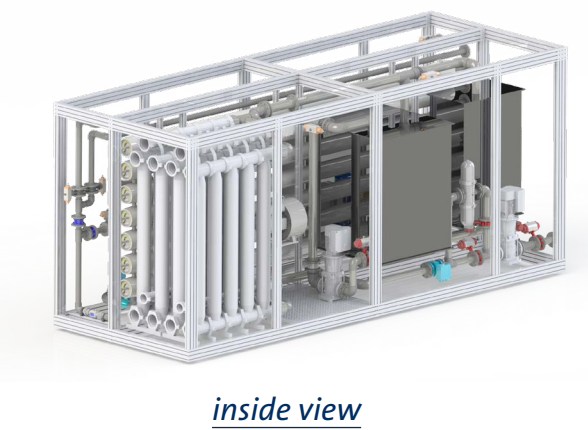
In a context of increasing water stress and drought, **water reuse** in industry is becoming essential to preserve the resource.

To meet the growing needs of industry, Veolia has developed a range of **pre-engineered, digitally enabled plug & play systems**, specifically designed for recycling of secondary treated quality effluent.

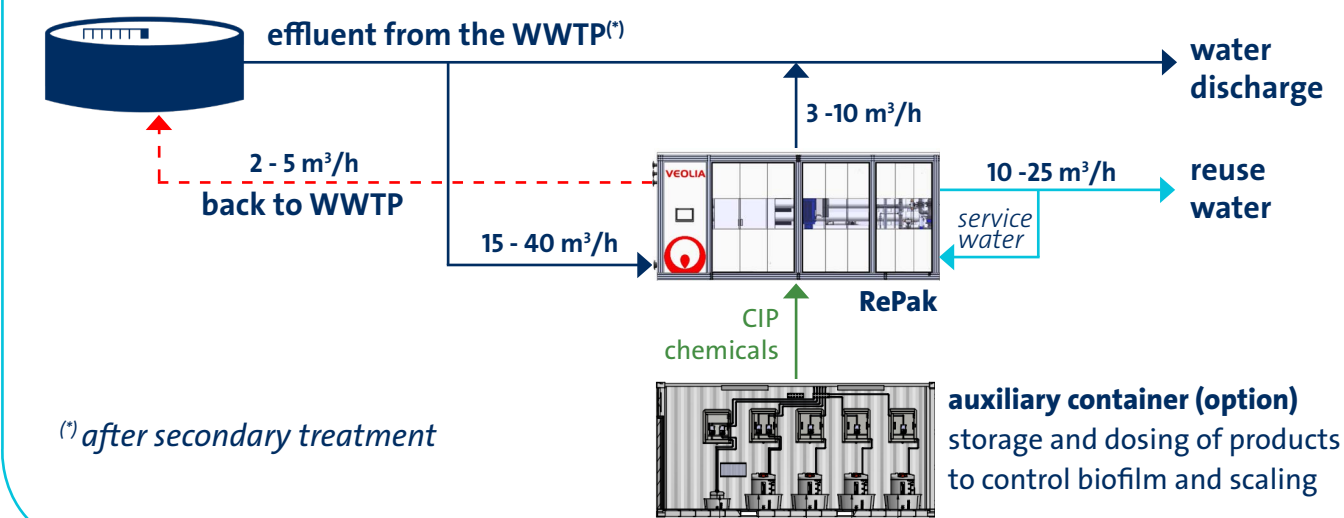
Designed by our specialists, the system combines 2 stages of treatment: **Ultrafiltration (UF)** followed by **Reverse Osmosis (RO)** and uses robust and proven proprietary Veolia technologies:

- **ZeeWeed* UF membranes**, highly efficient with low energy consumption
- **CaptuRO***, a RO technology with a high recovery rate

An **auxiliary container** (for the safe storage, dosing and monitoring of Cleaning In Place solutions) can be added to our solution (option).



Principle diagram



Associated services

- Depending on your requirements, we offer tailor made Service contracts such as:
- **Technical assistance:** Remote monitoring, analysis and regular service visits by our Field Service Reps
 - Full **chemical cleaning program** for optimum scale and fouling control
 - **Membrane Service Agreements** for guaranteed membrane replacement costs
 - **Outsourcing operation & maintenance**
 - **Reuse water** - as a service (rate per m3)



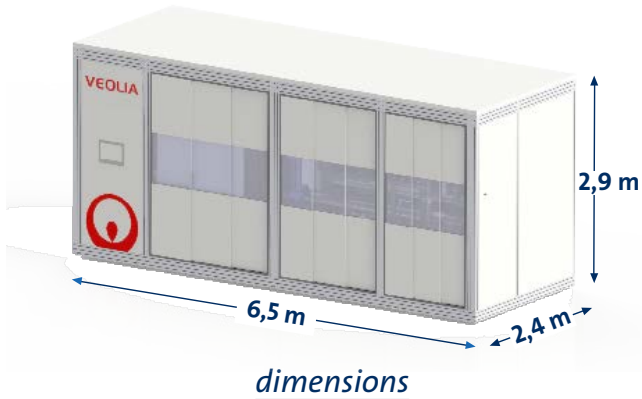
Key Features

Suitable for both indoor and outdoor use, the RePak solution is designed to take up minimal space. The platform is fitted with **sliding external doors**, allowing easy access to all the equipment and **straightforward maintenance**.

RePak contains all the equipment required for its operation, including supervision, dedicated CIP systems (optional auxiliary container), centralised control (PLC), etc.

| Water | Value |
|---------------------------------|---------|
| Feed range (m³/h) | 15 - 40 |
| Flow Rate produced water (m³/h) | 10 - 25 |

flow rate range



Performances

Typical system removal values of contaminants:

| Parameter | Rejection |
|------------------------|--------------------|
| Suspended Solids | 100% |
| Total Organic Carbon | 85 - 95% |
| Total Dissolved Solids | >98% |
| Total Hardness | >98% |
| N-NH4 | >97% |
| Nitrate | >97% |
| Phosphate | >99% |
| Bacteria / Virus | 6 - 10 log removal |
| Total Alkalinity | > 98% |
| Aluminium | >99% |
| Pesticides | >90% |

Key benefits



- **Designed, assembled and tested in our own plants** for the shortest possible delivery, installation and start-up times
- **Robust design and technologies** complimented with proven expertise in Reuse spanning decades
- Meeting the **highest standards of safety** and accessibility
- **Easy maintenance** thanks to sliding doors
- A range of comprehensive service packages to **ensure reliable and predictable performance** in challenging Reuse applications including the possibility to provide Reuse water as a service (full service contract)

Resourcing the world



To contact us, scan the QR code.