



# Keeping industry flowing

*MOBILE WATER SERVICES, whenever you need us.*



**WATER TECHNOLOGIES**






## A flexible solution for mobile water treatment



Our ambition is to be the customers' choice for the provision of mobile water services, by rental agreements, ensuring treated water is always available.





'Plug and play' water treatment services delivered to your site, whenever you need them.

Globally, Mobile Water Services offers reliable, secure, 24/7 services to suit all requirements.

### **One trusted provider, three flexible services**

Pre-packaged on a trailer, skid or container for maximum mobility and responsiveness, treating process water and reuse water.

**Emergency**



**Planned**



**Multi-Year**



## Why go mobile?

Mobile water systems offer a cost-effective alternative to fixed plants across many industrial environments. We offer flexible agreements from days, months to years for a wide range of applications, including:

### Plant Failure

Emergency response, including feed/cooling water that has become contaminated.

### Aging Plant

A short or medium-term replacement when existing plant is unreliable or costly to maintain.

### Additional Capacity

Increase water treatment capacity to enable production flexibility or expansion.

### Enhanced Quality

Implement new sustainable solution on-site.

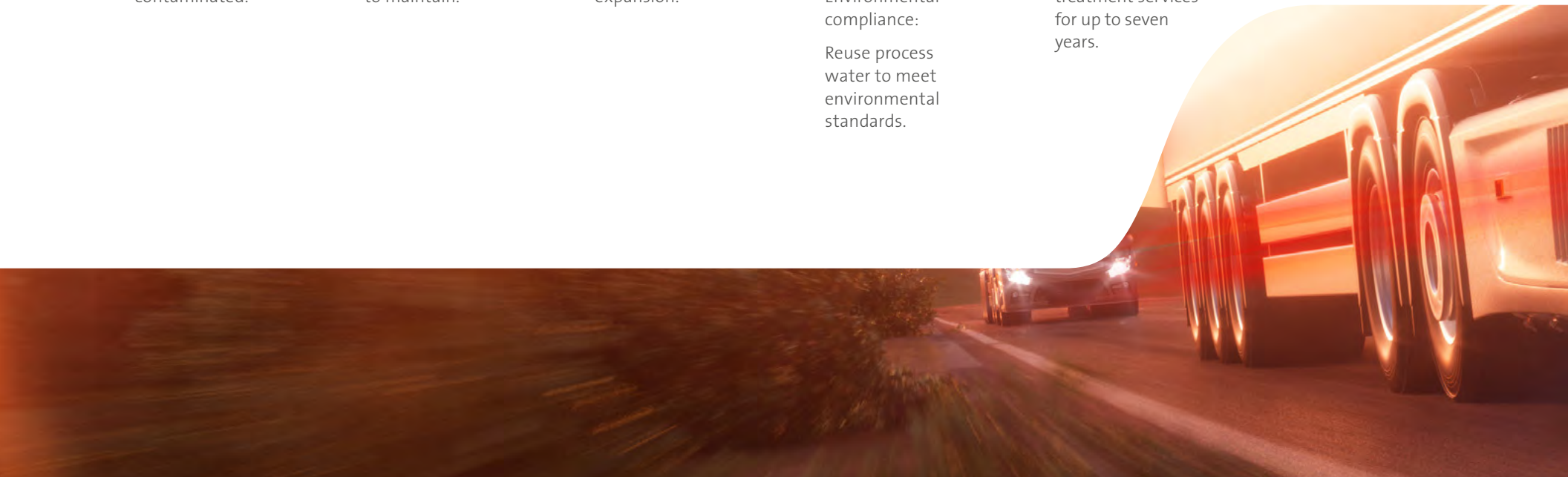
Environmental compliance:

Reuse process water to meet environmental standards.

### Multi-Year Services

Why buy when you can rent?

Mobile water treatment services for up to seven years.





## Put your trust in us

As a global organization providing mobile water services, Veolia combines technical know-how and industry-leading resources with the service standards required to exceed your expectations.

With a large, flexible fleet and a network of depots throughout the world, we provide a reliable and secure source of treated water 24/7, 365 days per year – for as long as it is needed, with rapid response and easy set-up, every time, for complete peace of mind.



Ensure continuity and security of supply

Water scarcity and influent water changes

Protect yourself against downtime

## Serving your needs, 24/7

Our vision is to be the mobile water services provider of choice and we are committed to providing secure and reliable mobile water services to our customers. We offer an unrivalled guarantee for quality and quantity of treated water, applying innovation in services to help our clients to achieve their objectives more efficiently.

We are also committed to the highest standards of health and safety. At Veolia we believe that all accidents can be prevented, which is why we have built a strong safety culture that goes beyond simple compliance, by reinforcing five preventative approaches to help improve safety at all times.

**Risks  
assessment  
and awareness**

**Behavior  
and vigilance**

**Near misses  
and dangerous  
situations  
reporting**

**Safety in  
our service  
design**

**Applying the  
requirements  
of high-risk  
management  
standards**



## Quality, assured

Providing high-quality assets and services, our clients have assurance in the quality of our processes, technical expertise and services. All our engineers are trained and certified to local and any necessary quality, health and safety standards.

All of our assets are certified to applicable local regulations and codes, while meeting the highest manufacturing standards. Safety should not be compromised.



Our vision is to be the mobile water services provider of choice.



## Our markets

We serve clients from across a wide range of markets, meeting the needs of national and international organizations around the globe with treated water on an Emergency, Planned or Multi-Year basis.

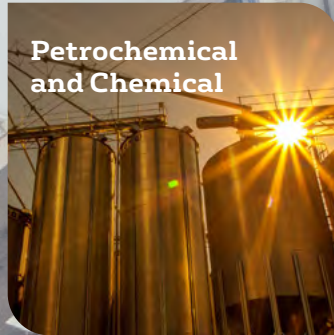
### Oil and Gas



### Power



### Petrochemical and Chemical



### Engineering Houses and EPCs

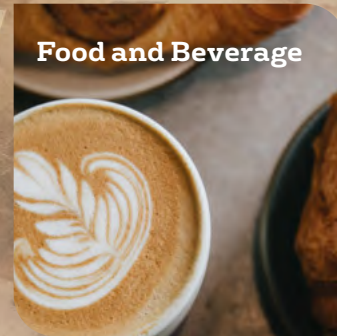


### Pulp and Paper

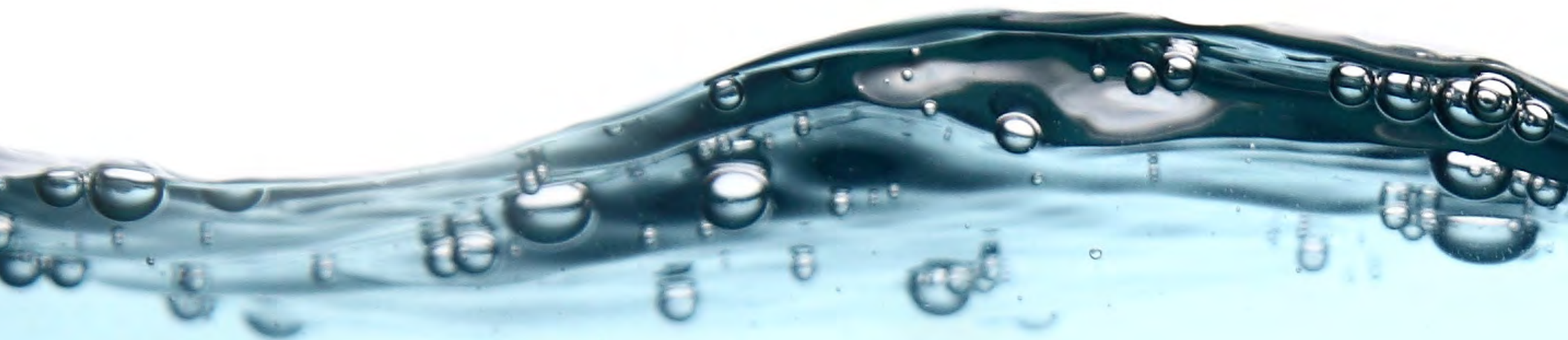


We are helping industry to flow across the globe.









## Mobile water treatment technologies for all requirements

We provide a full-service offering with flow rates ranging from 20 gpm to 5,000 gpm.. Our solutions include high-quality assets to rent, consumables, spare parts, chemicals, and services. Our vast range of technologies are available as pre-packaged solutions on a trailer, skid or container for maximum mobility and rapid response. All pre-engineered with 'plug and play' connections for ease of use.

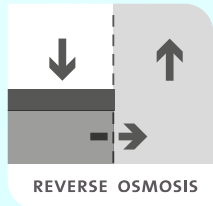
The complete offer comprises a range of containerized tanks, pumps, and accessories to provide a complete end-to-end solution.

We also provide transport and logistics, process knowledge, training, and ongoing support during commissioning and operation. Our services enable clients to be as hand-on or hands-off as they need.





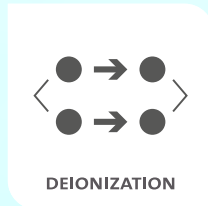
Our mobile water treatment technologies include:



REVERSE OSMOSIS



ULTRAFILTRATION



DEIONIZATION



FILTRATION



SOFTENING



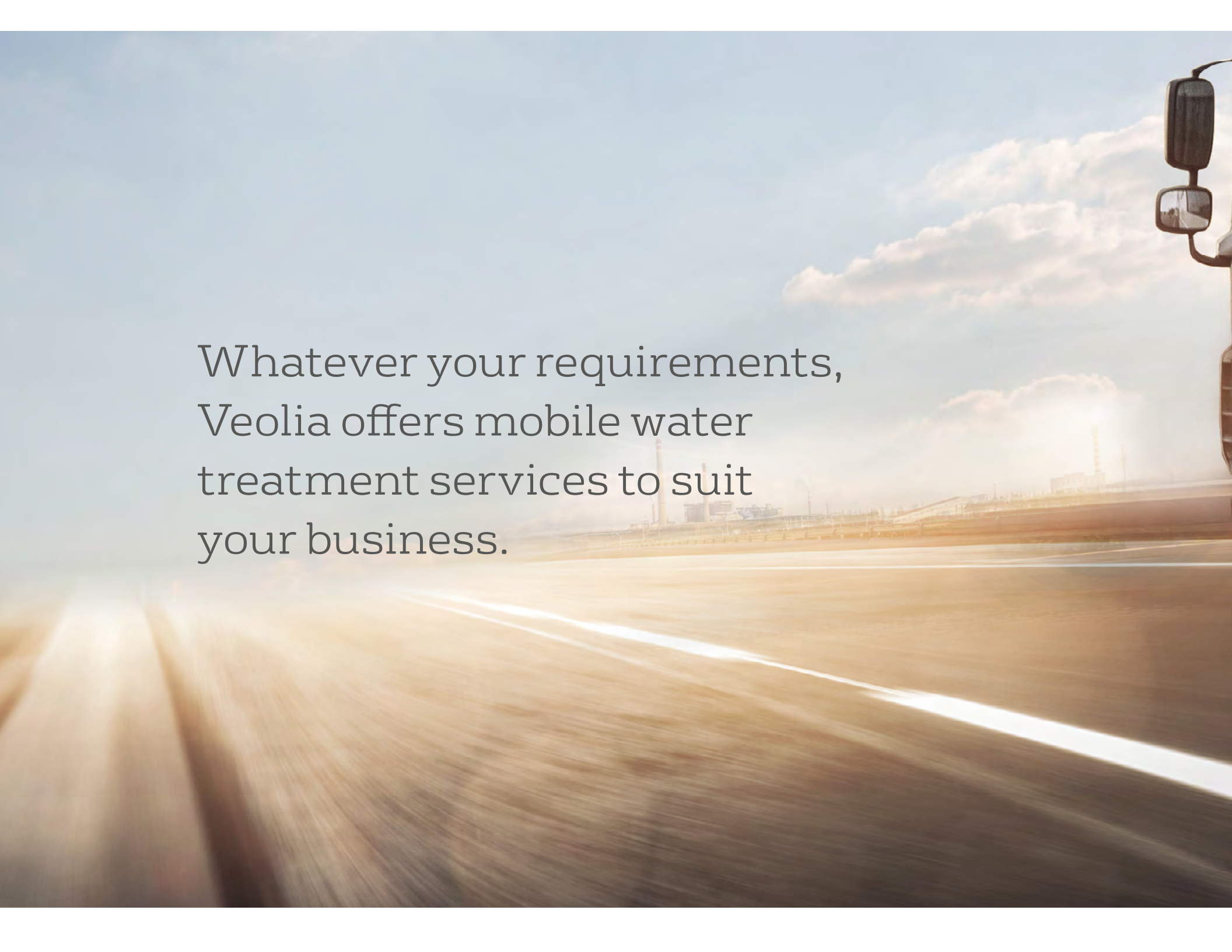
CLARIFICATION



DEGASSING

SEAWATER  
DESALINATION

Technologies can be operated in parallel and/or in series to manage challenging feedwaters to produce high volumes of treated water.

A blurred road at sunset with a factory in the background and a truck mirror on the right.

Whatever your requirements,  
Veolia offers mobile water  
treatment services to suit  
your business.



**Emergency**

Short-term, immediate cover to ensure business continuity in the case of an unexpected event.

**Planned**

Maintain the provision of treated water during scheduled maintenance, upgrade, or commissioning.

**Multi-Year**

Standard water treatment solutions for up to seven years.

**One trusted provider,  
three flexible services**

## Emergency

Short-term, immediate cover to ensure business continuity in the case of an unexpected plant event.

Register for our priority, free REACT service for peace of mind.



Cover a wide range of unforeseen circumstances, from plant failure and water supply changes, to boiler or condenser leaks and increased demand. Our emergency mobile water treatment services can minimize downtime and production losses, ensuring business continuity in all unexpected situations.

By registering with our REACT Treated Water Security Plan, you can ensure that the appropriate resources are deployed within two hours of your call\* which allows you to fulfil a Business Continuity Planning requirement for water treatment under ISO 22301.

**Maintain business continuity**

**Minimize downtime and production losses**

**Rapid deployment**

**'Plug and play' assets**

**Wide range of water treatment technologies**

**Peace of mind**

\* Depending on your region.



## Emergency case study

### MARKET

CHEMICAL

### LOCATION

GERMANY

### CLIENT

A MODERN SERVICE COMPANY OF ONE OF THE WORLD'S LEADING CHEMICAL GROUP

### REQUIREMENTS

The client provides production facilities and utilities for its customers in a chemical park.

Individual plants in the park are supplied with demineralized water by the client.

Problems with the raw water filtration led to considerable operational issues to enable the production of deionized water.

### OUR SOLUTION

The Veolia team mobilized two MORO-4x25T and one MORO-50T mobile reverse osmosis, three MODI-15000T mobile deionization, two MOPS mobile pumps, and two MOFI mobile filtration assets.

The solution produced 880-1,100 gpm of treated demineralized water in accordance with the VGB guidelines in order to meet the treated water demands of the client's customers without interruption for a period of three months.

### BENEFITS

- Guaranteed quality and quantity of water
- Rapid response without production disruption
- Production of deionized water 24/7 in continuous operation



The temporary provision of demineralized water ensured continuity of production and offered protection against failure to supply.

## Planned

Maintain the provision of treated water during scheduled maintenance, refurbishment or plant upgrade.

Our planned services provide clients with a reliable source of treated water during periods of scheduled downtime, particularly maintenance and refurbishment projects, or when commissioning new projects.

It can also support clients to meet specific environmental challenges. Choose from a range of technologies to suit all requirements, with flexible, and adaptable solutions, from one day to one year.

**Maintain continuity during maintenance and commissioning periods**

**Multi-site framework agreement**

**Flexible arrangements from days up to 12 months**

**Meet seasonal requirements for water scarcity or additional demands**

**Commissioning and start up activities**

Working in partnership to mitigate the impact of planned downtime.





## Planned case study

### MARKET

POWER

### LOCATION

THE NETHERLANDS

### CLIENT

A LEADING ENERGY COMPANY PROVIDING DEMINERALIZED WATER FOR DISTRICT HEATING

### REQUIREMENTS

The client's combined cycle power plant has been converted to a heat station 'booster' to support the city's district heating.

The request was to fill a heat storage facility with 14,000m<sup>3</sup> of high-purity water free of dissolved oxygen.

The treated water is required to comply with the Dutch guidelines for district heating – DNV KEMA\*, along with the European Standard for boiler water VGB-R450L (specification of EGV<0,1 μS/cm and O<sub>2</sub> < 20ppb.)

### OUR SOLUTION

Mobile Water Services combined several assets into a single process train.

MORO-50T mobile reverse osmosis trailer provided >95% rejection of ions from the town mains influent water.

MODI-15000T, mobile deionization trailer, further reduced the ion content, providing a conductivity of <0.1 μS/cm.

REMOX-100C, mobile oxygen removal system, removed any oxygen from the deionized water down to <20 ppb O<sub>2</sub>.

### BENEFITS

- A continuous supply of 260 gpm <10ppb O<sub>2</sub>
- Stringent process controlled by Veolia ensuring high quality of deoxygenated water
- On-time filling of the tank to meet the project timeline



Veolia's solution guaranteed demineralized low oxygen water for district heating for 95,000 households in the Netherlands.

## Multi-Year

Standard water treatment services for up to seven years.

Why buy when you can rent? Our longer-term, Multi-Year services offer an effective alternative to fixed plant for between one and seven years, tailored to your exact requirements.

Our solution provides a full-service offering with process support, consumables and spare parts, chemicals, maintenance backup with emergency service.

Cover periods of uncertainty over production lifecycles and minimize capital expenditure if budgets are constrained, with transparent pricing.

**Service packages, to suit your individual requirements**

**Increase treated water capacity with minimal capital expenditure**

**'Plug and play' assets**

**Wide range of water treatment technologies**

**Budget uncertainty and environmental compliance**

Multi-Year services tailored to your individual needs from one to seven years.



## Multi-Year case study

### MARKET

PETROCHEMICALS

### LOCATION

GERMANY

### CLIENT

AN INTEGRATED ENERGY AND CHEMICAL GROUP.  
ONE OF THE WORLD'S LARGEST MANUFACTURERS OF SYNTHETIC FUELS

### REQUIREMENTS

The client's plant expansion enabled a 30% increase in production, but the water treatment plant did not have the required capacity to support the increased demand for demineralized water.

Having taken the decision not to build a new water treatment plant or expand the existing one, the client opted to rent the equipment required to provide the additional volume of treated water needed.

### OUR SOLUTION

The requirement for the client was to commission a mobile water treatment plant capable of producing flows of 110 gpm of demineralized water.

Veolia supplied a MORO-4x25T mobile reverse osmosis and two MOFI-1200S demineralization polishers operating in series under a Multi-Year agreement for a period of three years, meeting the increased capacity demand of the new production facility expansion.

### BENEFITS

- Maintenance and service for the duration of the rental period
- Longer-term rental to meet uncertain product life cycles
- A secure and reliable solution to meet the quality and quantity of treated water



Veolia provided an additional volume of treated water to support a plant expansion over a Multi-Year period.

# Resourcing the world

## **Veolia Water Technologies**

Need flexible, mobile on-site water treatment? Contact our team today:  
tel. +1 (937) 890-4075 • email: [water.info@veolia.com](mailto:water.info@veolia.com)

[www.veoliawatertechnologies.com](http://www.veoliawatertechnologies.com)