

Mobile Water Solutions

Flexible services to secure your treated water supply



#missionwater

Mobile Water Solutions

Plug-and-Play water treatment solutions delivered to your site, whenever needed.

As a global organisation providing mobile water services, NSI Mobile Water Solutions part of Nijhuis Saur Industries (NSI), combines technical know-how and industry-leading resources, with the service standards required to exceed your expectations. Our proven track record for delivering a rapid response has enabled many companies to maintain the continuity of treated water supply to their core operations in unforeseen circumstances.

With a large, comprehensive fleet and a network of depots throughout the world, we provide a reliable and secure source of treated water 24/7, 365 days a year – for as long as you need. This enables on-time delivery and mobilisation, for continuity of operations.



Emergency Service



Planned Service



Multi-Year Service

Water treatment solutions for all requirements

Mobile Water Solutions offers a full-service offering with flow rates ranging from 1 m³/h to 1000 m³/h. Our solutions include high-quality assets to rent, consumables, spare parts, chemicals, and services.

Our vast range of technologies is available as pre-packaged solutions on a trailer, skid or container for maximum mobility and rapid response. All are pre-engineered with plug-and-play connections for ease of use. Our mobile water treatment technologies include:

- Multimedia Filtration • Ultrafiltration • Clarifiers • Reverse Osmosis • Electrodeionisation • Ion Exchange Softening • Ion Exchange Deionisation • Sea Water Desalination • Membrane Degassing • DAF
- Coagulation - Flocculation • Sludge Dewatering • Anaerobic Treatment • Closed Loop Sanitation

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

Why go Mobile?

NSI Mobile Water Solutions offers a cost-effective alternative to fixed plants, across many industrial environments. We offer flexible agreements ranging from days, to months to years for a wide range of applications.

- Plant failure
- Ageing plants
- Additional capacity
- Enhanced quality
- Wastewater treatment for discharge or reuse in accordance with environmental standards
- Multi-Year Services

Secure your treated water supply

Quality as a trademark

Our vision is to be the mobile water solutions provider of choice. We offer our customers an unrivalled guarantee for quality and quantity of treated water, with high-quality assets and services to help you achieve your objectives more efficiently.

Our engineers are trained and certified to the necessary local quality, health and safety standards. All of our assets are certified to applicable local regulations and codes, whilst meeting the highest manufacturing standards.

Our clients have assurance in the quality of our processes, technical expertise and services.

Highly committed to Health and Safety

We are also committed to the highest standards of health and safety. At NSI Mobile Water Solutions, 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.

- Risk assessment and awareness
- Behaviour and vigilance
- Near misses and dangerous situations reporting
- Safety in our service design
- Applying the requirements of high-risk management standards

Safety should not be compromised.

Emergency Service



Short-term, immediate cover in case of an unexpected plant event



Ideal for plant failure, water supply changes, boiler or condenser leaks, and increased demand



Maintain business continuity



Minimise downtime and production losses

Reference

Market: Pulp & Paper | **Country:** UK | **Customer:** Supplier of 400,000 tonnes of 100% recycled newsprint to National, Regional and European press rooms each year

Requirements

Our registered ReAct Customer's newsprint production was under threat when the mill's water treatment plant failed

Steam and power for the mill are supplied by an on-site combined heat and power plant. The boiler is provided with 120 m³/h of water taken from the site borehole and purified using an ion exchange deionisation plant.

A chemical delivery error caused the steam plant to shut down until the problem was resolved.

Our solution

Mobile Water Solutions quickly responded and was on site with a MORO mobile Reverse Osmosis unit and MODI Ion Exchange system.

Both were installed in standard containers which are insulated and supplied with heating, lighting and all necessary safety equipment.

Benefits

- Process capacity: a continuous supply of 120 m³/h without interrupting the production of other units
- Rapid response: onsite within hours of the enquiry thanks to the information collected in the ReAct form
- To budget: the project is done within the client's budget



ReAct «Treated Water Security» Plan

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.

Register free of charge

Registration is a simple and quick process. We record a range of information about the quality, quantity and pressure of raw and treated water and the type of hoses/connections used. This data enables us to select and agree on the right resources in advance so that they are ready to go at a moment's notice.

By registering for ReAct you will receive preferred service over the rest of the market ensuring that your priorities are also our priorities.

* Depending on your region



Advantages



A free pre-audit to establish the assets and services needed on-site



Priority access to 'ready-to-go' mobile water services



Meet the requirements of ISO 22301: 2019

Planned Service



Maintain continuity during maintenance and commissioning periods



Meet seasonal requirements for water scarcity or additional demands



Flexible arrangements from days up to 12 months



Multi-site framework agreement



Reference

Market: Petrochemicals | **Country:** Poland | **Customer:** One of the largest petrochemicals companies in Poland

Requirements

The Company suffers from water scarcity, which results in a higher concentration of minerals in the main water source, especially during autumn and winter. Strong currents and high winds also push seawater into the land, contributing to a further increase in salinity.

The factory is equipped with a demineralization plant comprising four lines that produce 200 m³/h each but the plant started to be insufficient, and the regeneration of the resins was too frequent to produce enough demin water for production needs.

Our solution

Mobile Water Solutions supplied two mobile reverse osmosis units MORO 4x25T with a pre-filtration system, buffer tanks, and pump skids to produce 200 m³/h with salt reduction > 95%.

Benefits

- Operations of the system by MWS during the whole rental period.
- The customer was able to work at full capacity without risk caused by the insufficient amount of the demin water during the whole autumn and winter season.
- Mobile Water Solutions' Care Programme



Multi-Year Service



Standard water treatment services for up to seven year



Service packages, to suit your individual requirements



Increase treated water capacity with minimal capital expenditure



Budget uncertainty and environmental compliance

Reference

Market: Oil & Gas | **Country:** Germany | **Customer:** One of the largest oil refineries in Germany

Requirements

The Client needed stable and reliable demin water production to compensate for issues with their condensate return quality. Repair work was not possible until the next scheduled shutdown in 3 year time.

Mobile Water Solutions was contacted to provide a flexible and long-term mobile solution for their summer and winter operation at one the their power plant.

The Client requested a conductivity inferior to 0.1 $\mu\text{S}/\text{cm}$ and a flow rate of 50 to 100 m^3/h .

Our solution

Mobile Water Solutions provided for 3 years two pre-filtration MOFI 3x80 and MOFI 12x18 assets, a reverse osmosis MORO 4x25T trailer, a degasser MODA 100, a pump station MOPS 170i and two ion exchange trailers MODI 15000T.

Benefits

- 3-year Multi-Year contract until the scheduled shutdown
- Ongoing 24/7 Operation
- Quality and quantity of demin water guaranteed
- Ion exchange trailer change without interruption to supply of demin water production
- Weekly service visits by MWS technicians





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NSI Mobile Water Solutions Holding B.V.

Innovatieweg 4, Doetinchem, 7007CD

The Netherlands

Email: mws@nijhuisindustries.com

Web: www.nsimobilewatersolutions.com

