

Water Technologies & Solutions

# mobile water solutions



ready for the resource revolution  **suez**

# mobile water solutions

For more than 40 years, SUEZ has been providing guaranteed water treatment solutions to keep our customer's plants online and in production, and we do it all on demand. With the largest mobile fleet of its kind, SUEZ's hundreds of mobile units cover just about any type of application. Using mobile water systems like our MobileFlow\*, ZeeWeed\* ultrafiltration, MobileRO\*, Mobile EDR, and seawater desalination systems, we can provide standardized equipment or systems that can be configured to fit your specific application.

Just like industries and municipalities around the world, you too can rely on SUEZ mobile water to deliver a wide range of water treatment solutions for planned and unplanned events, including:

- Emergency outages or equipment failure
- Planned outages for equipment repair
- Seasonal demands and product expansion
- Plant start-ups
- Changes in raw water quality
- Sudden changes in effluent specifications
- Augmentation/expansion of existing water plant
- Regeneration and cleaning services
- Drought and hurricanes



# a mobile solution for nearly any situation

short-term, long-term, and emergency services — SUEZ delivers a host of solutions for your water needs.

## emergency solutions

Need help quickly? SUEZ is there with products and solutions to help you weather the unexpected. In the event of a water system failure, you can count on SUEZ's rapid response to provide you with versatile equipment that is easy to install and operate. Our emergency contracts can be open-ended, are available 365 days a year, and are backed by 24/7 worldwide logistics and dedicated customer service. Within hours of a call to our logistics center, our mobile equipment will be at your site supplying the treated water you need to keep afloat during an emergency.

### example: refinery

#### situation

- The pure water system was out of order and needed about three weeks for maintenance
- The next scheduled plant shutdown was three years away so the refinery urgently needed an alternate solution that could provide 550 gpm (3000 m<sup>3</sup>/day) of pretreated water

#### solution

- Deployed a mobile softener and MobileRO

#### benefits

- In just a couple of hours, SUEZ was able to supply water during the maintenance operation and avoid plant shutdown

## short-term solutions

For flexible time periods, our short-term solutions can replace or augment your current system with the same reliable system availability. We meet your quality and quantity needs to help you through planned maintenance periods, new plant start-up or commissioning, outages, peak demand periods, and the challenges associated with variable feedwater. We will deliver our mobile equipment to your site to supply the treated water you need to maintain essential services.

### example: coal-fired power plant

#### situation

- The power plant needed a complete steam blow to remove deposits resulting from repairs to the superheat and reheat sections
- Limited DI and city water capacity would have required an intermittent steam blow lasting three weeks

#### solution

- Deployed 720 gpm (164 m<sup>3</sup>/hr) deionized and deoxygenated mobile water system using alternate raw river water source

#### benefits

- Finished the complete steam blow in 48 hours resulting in savings of contractor costs and generating capacity availability

## long-term solutions

For longer-term needs, SUEZ provides complete turnkey solutions, allowing you to focus on your core activities and conserve your capital. We can help with new projects, or replace and upgrade existing systems while guaranteeing water quality and quantity, all with little or no capital investment on your part. Along with our mobile equipment, we provide trained personnel and maintenance services on a long-term basis to guarantee water quality and quantity.

### example: textile manufacturer

#### situation

- Existing conventional resin-based demin plant
- Age and increasing operational cost constraints drove a need to change technology and approach

#### solution

- Deployed Mobile Water as part of a Build, Own, and Operate (BOO) offer

#### benefits

- Quick execution
- Mobile Service backup

# flexible service offerings—just about anywhere

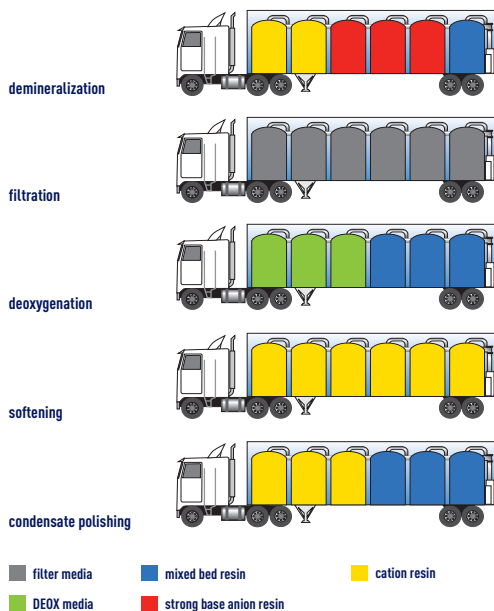
SUEZ mobile water offers flexible services that match the right equipment to your needs, providing the right solution at the right time and in the right place, no matter where that place may be. SUEZ mobile water provides the extra treated water capacity you need—when you need it. With treated water solutions delivering from 50 GPM to over 2000 GPM (from 11-454 m<sup>3</sup>/hr), your projects will be completed sooner with SUEZ—saving you both time and money.

With the world's largest mobile fleet, our standard and customized solutions will be there to meet your planned or emergency requirements. SUEZ mobile water will guarantee quality and quantity of treated water. We offer solutions for pre-treatment, post-treatment, and total water production. Our solutions feature innovative technology and standardized equipment well-suited to your industry.

Our global core of Field Service Representatives (FSR) are trained and qualified to ensure that all of our mobile operations are successful. In addition to the world's largest fleet and qualified FSRs, SUEZ operates 24/7 centers to provide logistics support/customer service, global service centers, and mobile equipment fleet priority service.

## innovative technologies

### MobileFlow\* configurations



At SUEZ, we design water systems using the latest technologies suited to your specific water needs and applications. Ion exchange technology, like that used in our MobileFlow\* system, is well suited for applications such as water softening, demineralizing, and condensate polishing (reducing iron and silica content in water). See the diagram below for more information.

In addition to our mobile Media Filtration systems (MMF), our versatile and reliable ZeeWeed\* Ultrafiltration membrane technology is ideally suited for use in numerous water applications, including water reuse, filtration, and pretreatment for brackish and seawater reverse osmosis. ZeeWeed\* systems produce superior water quality and can accommodate a wide variety of influent water qualities and filtration applications up to 2000 gpm (454 m<sup>3</sup>/hr).

Our family of MobileRO\* products are uniquely designed to accommodate even the most challenging water applications. We offer systems in a variety of flow rates and configurations, which can be customized and combined to meet your specific water quality needs. SUEZ has several hundred MobileRO units in service around the world with flow rates available up to 700 gpm (159 m<sup>3</sup>/hr) in a single trailer.



## water on demand

SUEZ's fleet of mobile water treatment equipment delivers advanced, innovative technology to meet specifications for treating virtually any water source including rivers, lakes, seawater, reclaimed water, wells, and municipal supplies. SUEZ—we bring the solution to you.

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Find a contact near you by visiting [www.suezwatertechnologies.com](http://www.suezwatertechnologies.com) and clicking on "Contact Us."

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