

emergency mobile water treatment units enable petrochemical plant to commission on time

challenge

A petrochemical plant in the Kingdom of Saudi Arabia was facing a commissioning delay due to their water demineralizer being behind schedule. The delay in the demineralizer plant would have caused a delay in the boiler commissioning, thereby delaying the entire plant commissioning. As a result of the delay, the Engineering, Procurement, and Contracting (EPC) company would have faced hefty contractual penalties for each day the plant was delayed.

solution

GET Water, a subsidiary of the Tamimi Group, was able to mobilize its fleet of mobile water treatment equipment which was built, designed, and serviced by SUEZ. A total of ten Brackish Water Reverse Osmosis (BWRO) units (Figure 1) were mobilized and arrived at the customer site in three days. These units were installed in a two-pass configuration to produce demineralized quality water.

results

Just seven days after arriving at the customer site these units were commissioned and were producing demineralized quality water. The units stayed on site for a total of thirty days providing adequate produced water to the site.



Figure 1: SUEZ Mobile BWRO Unit

The water was utilized for the initial blows and boil-out for the boilers in the plant, enabling timely commissioning of the boilers, and hence the commissioning of the entire plant. Without this emergency supply of produced water, this would not have been possible.

In addition to the mobile water treatment equipment, the GET Water team was also able to procure temporary energy supply to run the mobile water treatment plant. Also provided were the consumable filters, membranes, and chemicals needed for the functioning of the mobile water plant for a total of thirty days. SUEZ also provided around-the-clock operational and maintenance services to ensure the smooth running of the temporary water plant.