

# GE and WESCO Helped Saudia City Quickly Solve Its Potable Water Demands

## Challenge

Saudi Arabia is one of the most water scarce locations in the world. The primary sources of fresh water are from desalination plants and from distribution by tankers.

Our customer, WESCO Saudia, urgently needed an alternate source of potable water to be used for the Saudi Airlines compound.

The challenge was to develop a seawater desalination treatment solution that has high quality and low operating costs, but also could be delivered in a short timeline.

## Solution

GE, in partnership with WESCO Saudia offered Saudia City the ideal solution: a quick and reliable complete desalination solution with high-quality engineering, built for dependability with lowest overall cost of ownership in mind.

GE offered six trains of standard SeaPRO seawater RO systems each producing 1500 m<sup>3</sup>/day (396,000 gpd) and three SeaTECH-84 containerized SWROs for a total solution of 12,000 m<sup>3</sup>/day (3.2 million gpd) potable water.

Due to advanced pre-engineering work and good partnership communication, two of the six trains were ready to ship at the time of order acceptance.

The desalination system was built with positive displacement high-pressure pumps and energy recovery devices to optimize energy consumption, while maintaining a competitive capital equipment price.



## Results

The extremely quick delivery helped WESCO, meet the delivery deadline and get potable water to the end-user on time. They saved money, as they did not have to buy water from a tanker while the equipment was being manufactured.

## Quick Ship

Quick Ship is a global GE initiative to use pre-engineered systems to quickly get you from problem to solution.

The quick availability of a proven system design not only offers peace of mind and confidence in the technology but it directly translates into savings due to speed of delivery, ease of installation, and reduced project management costs.

If you would like to know how GE can solve your water treatment needs, contact your local GE representative or visit us at [www.ge.com/water](http://www.ge.com/water).



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

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