

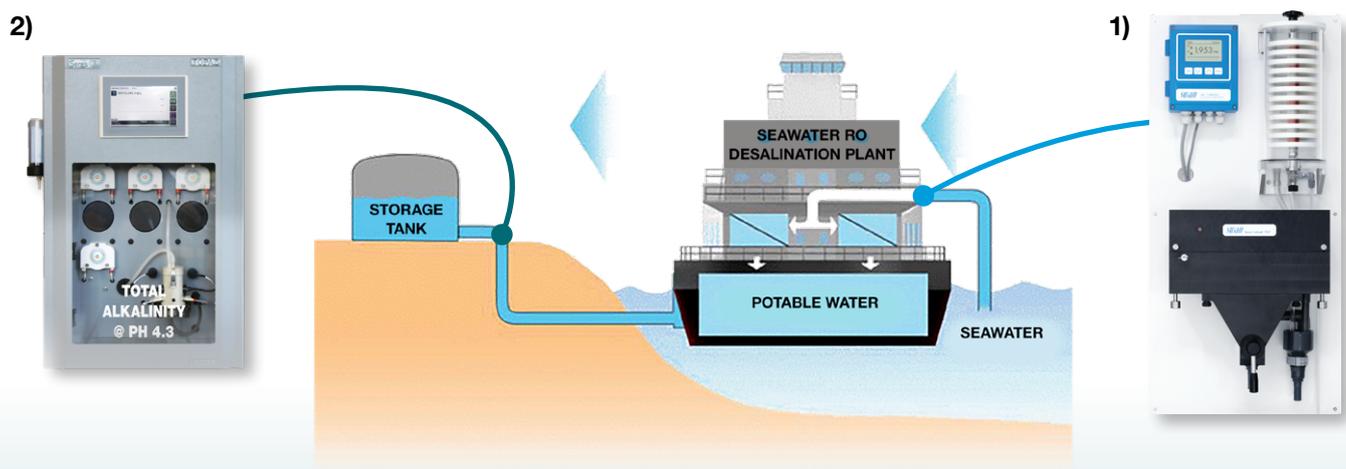
Application Note Topaz Alkalinity

Alkalinity and Turbidity Analyzers for 3x50'000 m³/day Floating Seawater Desalination Plant

Swan Analytical Middle East has supplied a batch of equipment consisting of Swan AMI Turbidity analyzers (1) to monitor the intake and outfall of seawater on this plant and Seres Topaz Alkalinity analyzers (2) to control the reverse osmosis (RO) product water before supplied to the onshore storage tank. The continuous online analysis of these parameters ensures efficient operation of the RO membranes and ensure safe water supply in the required quality.

The project includes establishing three floating stations to desalinate water and the transfer of desalinated water from the stations to desalination tanks. Each station will have a capacity of 50,000 cubic meters per day with a total capacity of 150,000 cubic meters a day. The project will be operational for 20 years, starting from the date of commercial operation, which is expected to be in the fourth quarter of 2020.

The three units will be installed on barges off the Red Sea coast, initially opposite the desal facilities at Al Shaqiq in the southwest, feeding the tanks there, and supplying Jazan and Asir provinces. The mobile plants will have the flexibility to travel along the coast to any of the reverse osmosis desalination plants in Saudi Arabia, providing additional capacity where needed.



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