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PROJECTS

SWCC New Satellite Plants Water Transmission System Project

Saudi Arabia

Water Transmission

World Bridge Industrial is demonstrating world class performance and experience with advanced technical manpower in Water Tank construction projects. Supplying 11 tanks with SWCC

11 Tanks of Aluminum Dome Roof

- Installation & Operating : 4Q, 2020
- Tank Dia (32.5m x 2, 40m x 3, 41m x 5, 50m x 1)



The Saline Water Conversion Corporation (SWCC) is a Saudi Government Corporation responsible for the desalination of seawater producing electric power and supplying various regions in the Kingdom with desalinated water. SWCC has been able to secure for a reliable source of fresh water and a tributary to the main source of water, namely fresh groundwater. Accordingly, desalination industry has not only met the demand for water to residential areas, but it has also preserved a portion of groundwater as it is a national, non-renewable wealth. Furthermore, SWCC was able to

develop saline water desalination techniques through scientific research at its Saline Water Desalination Research Institute (SWDRI) in Al Jubail, and in collaboration with a number of domestic and foreign scientific research centers. SWCC continues to exert efforts to provide desalinated water from its operational plants scattered across the Arabian Gulf and the Red Sea in KSA. In an endeavor to secure sufficient and sustained water supply to all Saudi vast regions, SWCC carried out several gigantic water transmission systems to meet the ever-increasing demand for water due to rapidly growing

population. In this context, SWCC implemented 19 water transmission systems to transmit water via a very long piping system totaling 5390 Km in length, with pipes in the range 200-2000 mm diameter. To ensure sustained pumping capacity, despite the long distances to these pipelines and terrain ruggedness in some areas, SWCC installed 46 pumping stations along the pipelines to Pumping water to its reservoirs numbering 224 with capacity of 11,649,815 cubic meters combined with 16 mixing stations to blend desalinated water with groundwater, and 8 other terminal stations.