

SEWAGE TREATMENT PLANT - JCSTP - BOO PROJECT JAZAN - KSA

JAZAN ECONOMIC CITY

Jazan is located in the Kingdom's southwest region, and in 2014 the **Saudi Aramco** Oil Company began constructing the Jazan Refinery and Terminal. The facilities form the industrial heart of the government's greater Jazan Economic City project.

Centralized Sewage Treatment Plant JCSTP

During development and construction of this project a waste water treatment concept was required. The centralized waste water treatment plant JCSTP is designed to receive domestic waste water through tanker trucks from the Aramco contractor's camps. It has a treatment capacity of 5,400 m³/day.

Scope of MENA-Water

MENA-Water provided the design, supply, installation and commissioning with start-up for the complete plant. The client for this project was **FK & Partner Co.**

Included in the scope of works were tanker station, lifting pumps, screening, grit removal, aeration tanks and containerized MBR packages including all measuring instrumentation. Storage tanks for treated water and for sludge, including drying beds for sludge dewatering are completing the treatment.

The entire plant is operated by PLC and observed through an online monitoring system 24h x 7d. Start-up was in October 2016.

PLANT
CAPACITY
5,400 m³/day



Equipment	Application
Screen	Screening removal
Grit & Grease Trap	Sand & FOG removal
Mixers and Aerators	Biological treatment
MBR Package Plants	Filtration
Blowers	Aeration and scouring
Pumps	Flow control & service water
Sludge Removal	Sludge drying beds
Instrumentation	Flow, level (hydrostatic), TSS, DO, pressure control
Control Panels / PLC	Complete auto control
Generators	Power supply

