

## SLUDGE HANDLING AND STORAGE

AL KHUMRA - SAUDI-ARABIA

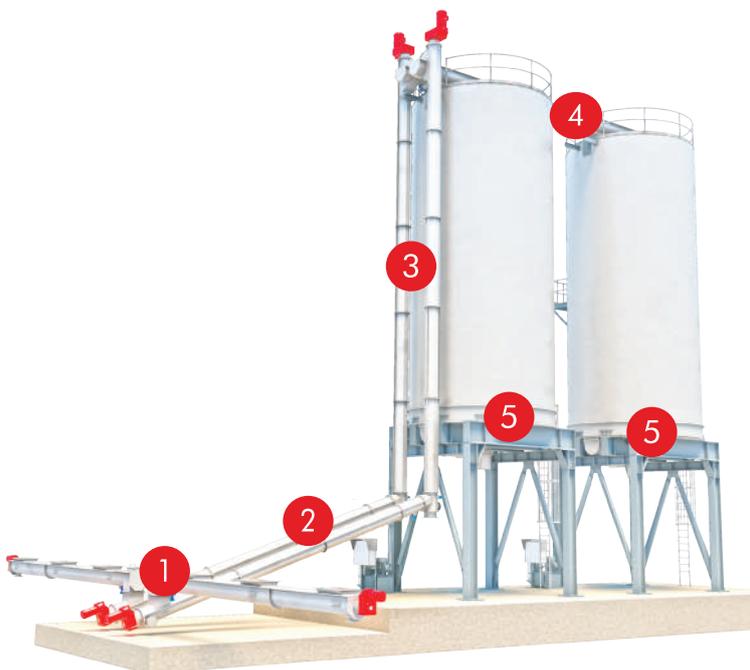


### APPLICATION DETAILS

Al Khumrah is the largest existing WWTP site, located in the southern part of Jeddah City in the industrial area of Al Khumrah District in the Kingdom of Saudi-Arabia. It consists of four existing phases with a combined capacity of approx. 250,000 m<sup>3</sup>/d.

### THE SOLUTION

SPIRAC in collaboration with Watequin supplied the sludge handling, storage and truck outloading systems for the latest upgrade to Al Khumra. The project scope included 2 x 200m<sup>3</sup> silos with high capacity sliding frame outloading systems, fabricated entirely of 316 stainless steel and two shaftless screw conveyor trains including 15m vertical lift from the centrifuge plant to the top of the silos. This design ensures odour and mess containment, high reliability, low maintenance, low power consumption and extended life expectancy in a harsh coastal/desert environment.



### PRODUCTS USED

1. Two horizontal U420 shaftless conveyor
2. Two inclined OK420 shaftless conveyor
3. Two vertical OK420 shaftless conveyor
4. Two horizontal U420
5. Two sliding frames c/w hydraulic drives & two silo outloading conveyors U620