

# Sea Water Intake Pumping Station – Ras AlKhair Industrial Area, KSA

## General:

### Client:

Royal Commission for Jubail and Yanbu

Royal Commission (RCJY) is an autonomous organization of Saudi Arabian Government. The mission of RCJY is to plan, promote, develop and manage Petrochemicals and Energy intensive industrial cities through successful customer focus and partnership.

### Location:

Ras Al Khair, KSA

### Completion Date:

December 2016

### Consultant:

Royal Commission for Jubail and Yanbu

### Contract Type:

Design, Supply, Installation supervision, and Commissioning of the Integrated PLC, SCADA, and Instrumentation System and integration of Vendors Control Systems



## Project Scope:

The project includes the supply and construction of a sea water pumping station to provide cooling water for various industries in Ras Al-Khair Industrial Area with a capacity 75,000 m<sup>3</sup>/h for the first phase.

The project consists of construction of seawater cooling pump station with construction of Hypochlorite Generation Building, Staff/Control Building, Switchgear Building, Guard House, SEC Building, Workshop Building and 115 kV Power Supply.

## Process:

Sea Water Intake Pumping Station supplies treated sea water to various users (factories) to utilize for process cooling.

## Our Solution:

Multiple Redundant Rockwell ControlLogix PLC systems; Redundant SCADA Client-server system; Redundant Historian System with Reporting; Condition Monitoring System; and Asset Management System.