



Vista Automation

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PROJECT REFERENCES

WATER & INFRASTRUCTURE

United Arab Emirates:

SCADA Upgrade at Hamriyah Desalination Plant

Scope of Work: PCS7 system hardware and software upgrade

Solution: provide a new set of IT hardware (servers & workstations) with the upgrade of the existing Siemens PCS7 & Process Historian from version 6 to version 8.

Location: Hamriyah, Sharjah

Client: Sharjah Electricity and Water Authority (SEWA)

Khuraijah Reservoir Control & Monitoring System

Scope of Work: Design, Supply, Programming, Installation supervision, Testing, and Commissioning of control system for the Khuraija 9-tank Reservoir.

Solution: Redundant Schneider Electric M580 PLC and associated IOs with simplex EcoStruxure SCADA and integration with the main pumping station DCS

Location: Khuraija, RAK

Client: Etihad Water & Electricity (FEWA)

Sharjah Municipality Integrated Control System & VFD for Odor Control Unit

Scope of Work: Design, Supply, Programming, Installation, Testing, and Commissioning of Odor Control Unit integrated control system and VFD for the Main Sewage Pump Station3.

Solution: Simplex Siemens Siplus S7-1200 PLC & IOs with 15" HMI and ABB VFDs.

Location: Sharjah Industrial Area

Client: Sharjah Municipality

SCADA Upgrade at Kalba Desalination Plant

Scope of Work: Client-Server SCADA system hardware and software upgrade

Solution: provide a new set of IT hardware (servers & workstations) with the upgrade of the existing Siemens WinCC redundant client-server SCADA V6.2 to V7.5

Location: Kalba, Sharjah

Client: Sharjah Electricity and Water Authority (SEWA)

Um Al Quwain Pumping Station Control System

Scope of Work: Design, Supply, Installation Supervision, and Commissioning of the Redundant PLC and SCADA Control System.

Solution: Redundant Siemens S7-1500 PLC System with stand-alone WinCC SCADA System.

Location: Um Al Quwain, UAE

Client: Etihad Water and Electricity (FEWA)

IWPP Pumping Station 1 Control System

Scope of Work: Design, Supply, Installation Supervision, and Commissioning of the Redundant PLC and SCADA Control System.

Solution: Redundant Siemens S7-1500 PLC System with stand-alone WinCC SCADA System.

Location: RAK, UAE

Client: Etihad Water and Electricity (FEWA)

Kingdom of Saudi Arabia:

Sudhair RO Plant Phase 2 Expansion – Sudhair Industrial Area

Scope of Work: Design, Supply, Installation, and Commissioning of the new redundant PLC and SCADA system for the phase 2, and integrate phase 1 to be operated from the new PLC/SCADA

Solution: Redundant Siemens S7-1500PLC System; Siemens WinCC Server-Client SCADA system, Historian and Reporting.

Location: Riyadh, KSA

Client: Modon

Ras Al-Khair Sea Water Pipeline

Scope of Work: Design, Supply, Installation Supervision, and Commissioning of 3 redundant PLC systems along the route of the sea water distribution pipeline with the integration with the seawater intake pump station SCADA, Historian, and Asset Management.

Solution: Rockwell Automation redundant ControlLogix for with the Integration with Rockwell Automation SCADA System installed in the pumping station.

Location: Ras Al Khair, Kingdom Saudi Arabia

Client: Royal Commission

Aqalat Smart Square Infrastructure

Scope of Work: Design, Supply, Manufacture, Programming, FAT, Delivery, Testing & Commissioning of PLC and SCADA system to monitor and control all water and power infrastructure.

Solution: Honeywell Simplex ML PLC control system at each location all connected to redundant Honeywell Experion SCADA system in a server-client arrangement.

Location: Riyadh, Saudi Arabia

Client: Smart Square Real Estate

Neom Circular City Water Storage Reservoir PLC & SCADA System

Scope of Work: Design, Supply, Installation Supervision, and Commissioning of the 3 Redundant PLC systems and 4 simplex RTU for the east and west reservoir and tanker filling station with central redundant client-server SCADA System at each reservoir locations.

Solution: Redundant Siemens S7-1500 with WinCC Citect based SCADA and historian.

Location: Tabouk Province, Kingdom Saudi Arabia

Client: Neom

Al Zahraa Pumping Station Control System

Scope of Work: Design, Supply, Installation Supervision, and Commissioning of the Redundant PLC and SCADA Control System.

Solution: Redundant Siemens S7-1500 PLC System with redundant Client-server WinCC SCADA System.

Location: Jeddah, Kingdom Saudi Arabia

Client: Jeddah Municipality

Jeddah Economic City Phase-1 Infrastructure

Scope of Work: Design, Supply, Installation Supervision, and Commissioning of the Redundant PLC systems for storm, irrigation, sewage, and domestic water pumping stations with central redundant client-server for all four pumping stations.

Solution: Redundant Schneider Electric M580 with ClearSCADA based SCADA and historian.

Location: Jeddah, Kingdom Saudi Arabia

Client: Jeddah Economic Company

Neom Water Transmission System

Scope of Work: Design, Supply, Installation Supervision, and Commissioning of the 12 Redundant PLC systems with central redundant client-server SCADA System.

Solution: Redundant Schneider Electric M580 with Vijeo Citect based SCADA and historian.

Location: Tabouk Province, Kingdom Saudi Arabia

Client: Neom

Medical Evacuation Center SCADA at King Khalid International Airport and Salbouk Air Base

Scope of Work: Design, Supply, Installation Supervision, and Commissioning of the 4 redundant PLC systems and 3 simplex RTU systems for different utilities and pumping stations at the King Khalid International Airport and Salboukh Airbase redundant client-server SCADA System at each location.

Solution: Redundant Schneider Electric M580 with Vijeo Citect based SCADA and historian

Location: Riyadh, Kingdom Saudi Arabia

Client: Royal Saudi Airforce

097-C73R Jubail Infrastructure Pumping Stations (Sewage, Potable, Lift)

Scope of Work: Design, Supply, Installation Supervision, and Commissioning of the Integrated Instrumentation, PLC, and SCADA System.

Solution: Honeywell ControlEdge PLC System; Honeywell Experion SCADA, and Endress-Hausser Instrumentation system.

Location: Al Jubail, Kingdom Saudi Arabia

Client: Royal Commission for Jubail & Yanbu

Government Agencies Compound Infrastructure & Utility (Grey Water, Drainage, Sewage, & Irrigation)

Scope of Work: Design, Supply, Installation Supervision, and Commissioning of the Integrated Instrumentation, PLC, and SCADA System.

Solution: Redundant Siemens S7400H PLC System; Redundant Siemens WinCC Server-Client, Historian with Reporting, and Siemens and Endress-Hausser Instrumentation system.

Location: Riyadh, Kingdom Saudi Arabia

Client: Ministry of Finance

Madina Haji City Infrastructure & Utility (Grey Water, Drainage, Sewage, & Irrigation)

Scope of Work: Design, Supply, Installation supervision, and Commissioning of the Integrated PLC, SCADA, and Instrumentation System for the Development Infrastructure Including District Cooling Plants & ETS, Grey Water & irrigation Pumping Stations, Tunnel Ventilation System, and Central Command & Control Center.

Solution: Redundant Rockwell ControlLogix PLC systems; Redundant SCADA Client-server system; Redundant Historian System with Reporting; and E+H Instrumentation

Location: Al Madinah Al-Munawara, Kingdom Saudi Arabia

Client: Ministry of Finance

Ras Al-Khair Sea Water Pump Station

Scope of Work: Design, Supply, Installation Supervision, and Commissioning of the integrated PLC, SCADA, Historian, Asset Management, Telecom, and Online Condition Monitoring System for Intake Seawater pumping station.

Solution: Rockwell Automation Redundant ControlLogix for pump control, hypo chlorination, and electrical switchgear. In addition to CompactLogix PLC for vibration monitoring system, with Rockwell Automation Client-server FactoryTalk SE SCADA System and Rockwell Asset Center.

Location: Ras Al Khair, Kingdom Saudi Arabia

Client: Royal Commission

State of Qatar:

Lusail RO - Lusail City Development

Scope of Work: Design, Supply, Installation, and Commissioning of the Integrated Instrumentation, PLC, and integration with the existing SCADA System.

Solution: Redundant Siemens S7-1500PLC System; integration with Redundant Siemens WinCC Server-Client, Historian and Reporting, and Siemens and Endress-Hauser Instrumentation system

Location: Doha, Qatar

Client: Marafeq Qatar

Arab Republic of Yemen:

District of Dhamar Water Reservoir and Network Control & Monitoring System – Phase 1

Scope of Work: Design, Supply, Installation supervision, and Commissioning of the electrical and control system for the water pumping (VFDs) from water wells distributed around the district of Dhamar to the district's central reservoir. Central SCADA system for monitoring and control of the district's water network in the over GPRS network, and Instrumentation.

Solution: Siemens VFD and S7-1500 PLC system with WinCC SCADA and E+H instrumentation

Location: Dhamar, Yemen

Client: UNICEF/ Ministry of Water - The Republic of Yemen

Germany:

STA Separators for Automotive Engine Production Process Wastewater

Scope of Work: Design, Programming, and Commissioning of the PLC & HMI System

Solution: Siemens Fail Safe PLC S7-317F-2 PN/DP, Siemens HMI, Profinet IO,

Location: Landshut, Germany

Client: BMW AG

Taiwan:

Novoflow Ultra-filtration System for Latex-Process Wastewater

Scope of Work: Design, Programming, and Commissioning of the PLC & HMI System

Solution: Siemens IM151-8 CPU, Siemens HMI

Location: Hsinchu, Taiwan

Client: Crosline Chemical Industries, LTD