

Project Synopsis

Title : Up-gradation of SCADA Telemetry System for Effluent Utilization Facilities Phase 1 - Project B-2

Client : Ministry of Public Works - Kuwait

Brief Description of Project

Kana is to Design, Supply, Install & Integrate & Commission Instrumentation, SCADA Telemetry system & Electrical works including Remote Terminal Units, MCC's with VFD controls for 10 pumping stations and 40 Nos. Field Control Units for Irrigation Network into the existing SCADA Telemetry System.

Monitored & Controlled Locations	Pump House & reservoir Control Centers - 10 Nos. Field Control Units along major Motorways - 40 Nos. Central Control Center - 1 No.
Equipment at Field Control Units	<ol style="list-style-type: none"> 1. Redundant PLC based FCU Panel complete with Radio & Antenna System. 2. Field Instrumentation
Equipment at Pump House & Reservoir Control Centers	<ol style="list-style-type: none"> 1. Pump Control Panels Including VFD's. 2. Redundant Processor based RTU. 3. Radio System to communicate with FCU group. 4. Radio System to communicate with Control Center.
Equipment at Central Control Center	<ol style="list-style-type: none"> 1. Hot standby Master Radio complete with Antenna. 2. Communication Front End. 3. SCADA Server
Communication Medium	Conventional Radio Communication.
Total No. of I/O's	Approx. 1500 I/O's

Major Equipment

- FCU - King Fisher seriesII from ATSI of USA
- RTU - King Fisher seriesII from ATSI of USA
- VFD - Altivar series from Schneider
- Radio - Trio Datacom - Australia
- PCP, IPCP's MCC's & Control Panels - Kana Controls
- SCADA Software - PCVUE32 from ARC Informatique - France

The project is Under Execution.



KANA CONTROLS

AUTOMATION SOLUTIONS

