

# Project Synopsis

**Title : Radio Telemetry System for Abdulliah Brackish Water Project**

**Client :** Kuwait Oil Company - Kuwait

**Brief Project Description**

Kana Designed, Supplied, Installed & Commissioned Supervisory Control & Data Acquisition System (SCADA) for Monitoring & Control of Deep & Shallow Water Well Pump houses and the Tanks & Pumps at Abdulliah Water Center (AWC).

**Monitored & Controlled Locations**

Deep Well Pump Houses - 10 Nos.  
Shallow Well Pump Houses - 9 Nos.  
AWC Control Center - 1 No.

Equipment at Remote Deep & Shallow Pump Houses

1. RTUs
2. Power Supply System with Battery Backup.
3. Radio complete with Modem & Antenna.
4. Marshalling Cabinet.

Equipment at Control room at AWC

1. Redundant Master Radio with Antenna System to communicate Remote Sites.
2. Redundant Communication Front End interface.
3. Hot Standby PLC Control System for AWC.
4. Control Panel for manual operation.
5. SCADA Server
6. SCADA Operator Station
7. 7.5 KVA Redundant UPS

Communication Medium

Radio Communication through KOC Trunking System

Total No. of I/O's

Approx. 500 I/O's

**Major Equipment**

- RTU's - Moscad - MOTOROLA
- Radio System - MOTOROLA
- Communication Front End - Moscad - MOTOROLA
- Hotstandby PLC - Modicon Quantum from Schneider.
- Control Panel - Kana Controls
- SCADA Software - PCVUE32 of ARC Informatique - France.
- UPS - AEG SVS Germany

Project Commissioned & Handed Over in September 1999.



**KANA CONTROLS**

**AUTOMATION SOLUTIONS**

