

# Project Synopsis

**Title : Telemetry System for Wellhead Monitoring At GC-4**

**Client : Kuwait Oil Company - Kuwait**

**Brief Description of Project**

Kana Designed, Supplied, Installed & Commissioned the first radio telemetry control SCADA proto type project of KOC, with 25 well sites being monitored in GC-4 Control room via Radio Telemetry using KOC trunking system. It was the first project to implement the HART protocol over the radio communication. The project involved the SCADA to be further interfaced to existing DCS and HART protocol commands to be initiated through DCS.

**Monitored & Controlled Locations**

Remote Wellhead Sites - 25Nos  
GC-4 Control Room - 1 No.

**Equipment At Remote Pumping Station Sites**

1. RTU Panel Complete with Marshalling .
2. Solar System complete with batteries for 5 days backup.
3. Radio complete with Modem & Antenna.
4. Field Instruments

**Equipment at Ardiya Control Center**

1. Master Radio with Antenna System.
2. Communication Front End.
3. SCADA Server - 1 no.
4. Interface of SCADA with DCS system

**Communication Medium**

Radio Communication over KOC Trunking System.

**Total No. of I/O's**

Approx. 150 I/O's

**Major Equipment**

- RTU - Backer CAC from UK
- Radio - MOTOROLA
- Communication Front End - Moscad - MOTOROLA
- Field Instruments - Fisher Rosemount
- SCADA Software - PCVUE2 from ARC Informatique - France
- Control Panels - Kana Controls

Project was Commissioned & Handed Over in May 1997.



**KANA CONTROLS**

**AUTOMATION SOLUTIONS**

