

Project Synopsis

Title : Up Gradation of Existing SCADA Telemetry System at Naval Base.

Client : Military Engineering Projects - Ministry of Defense - KWT

Brief Description of Project

Kana Designed, Supplied, Installed & Commissioned 40 Nos. Remote Terminal Units to monitor & Control Substations using a Supervisory Control & Data Acquisition System (SCADA) located at Power House in the Naval Base. Hybrid communication utilizing Fiber optic Medium for data transfer to & from Substations within the Naval Base and Radio communication medium for data transfer to & from Remote Substations out side Naval Base.

Monitored & Controlled Locations	Power House Control room - 1No Remote Substations within Naval Base - 26 Nos. Remote Substations outside Naval Base - 14 Nos.
Equipment at Remote Substation within Naval Base	1. Fiber Optic Modem 2. RTU Panel. 3. Power Supply with Battery Backup System.
Equipment at Remote Substation outside Naval Base	1. Radio System with Antenna. 2. RTU Panel. 3. Power Supply with Battery Backup System.
Equipment at Power House	1. Master Radio System with Antenna. 2. Fiber Optic Ring Master 3. PLC based Control Panel. 4. Mosaic Mimic 5. SCADA Server/operator station
Communication Medium	1. Fiber Optic Self Healing Ring 2. Conventional Radio Communication.
Total No. of I/O's	Approx. 2000 I/O's

Major Equipment

- Radio System - Microwave Data Systems - USA
- Fiber Optic Modems – TC Communications USA
- Communication Front End - Modicon Compact from Schneider
- RTU - Modicon Momentum from Schneider
- Control Panel - Kana Controls & Mosaic Mimic - SACO - USA
- SCADA Software - PCVUE32 from ARC Informatique - France

Project was Commissioned and Handed Over in September 2001.



KANA CONTROLS

AUTOMATION SOLUTIONS

