# PLC / SCADA for Sitra Marketing Terminal Tank-farm Automation, BAPCO, Bahrain

Oil & Gas

Oil Refinery

Tank-farm Automation



### Contact:

Prudent Solutions WLL P. O. Box 11091, Manama, BAHRAIN

Phone: +973 1745 6180 Fax: +973 1745 6190 www.prudentsolutions.net

### Founding year:

1999

gall Bapco Bapco

End User: Bahrain Petroleum Company (BAPCO)

Customer: Bahrain Petroleum Company (BAPCO)

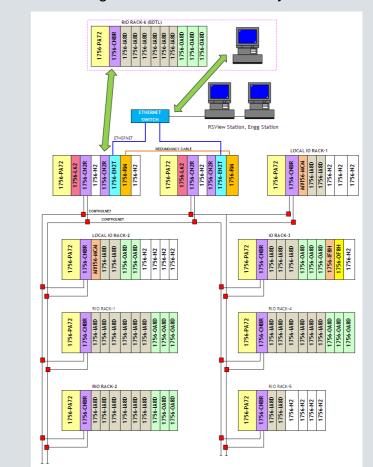
Segment: Oil & Gas

## Requirements:

- In 2001, BAPCO (erstwhile Banoco) awarded the contract to supply & commission the PLC & MOV Control System for their Sitra Marketing Terminal to Prudent Solutions WLL; for remote automatic operations of the oil tank-farm.
- Later in 2012, Prudent also completed the up-gradation & expansion of this control system to include additional PLC equipment's for the new Bulk Diesel Top Loading (BDTL) terminal.

### Short description of the solution

Redundant ControlLogix System (1756-L62) with six Remote IO (RIO) panels on Controlnet located across the SMT loading island, drum filling station & BDTL, communicating to RSView32 SCADA System.





## PLC / SCADA for Sitra Marketing Terminal Tank-farm Automation, BAPCO, Bahrain



### **Contact:**

Prudent Solutions WLL P. O. Box 11091, Manama, **BAHRAIN** Phone: +973 1745 6180

Fax: +973 1745 6190 www.prudentsolutions.net

Founding year:

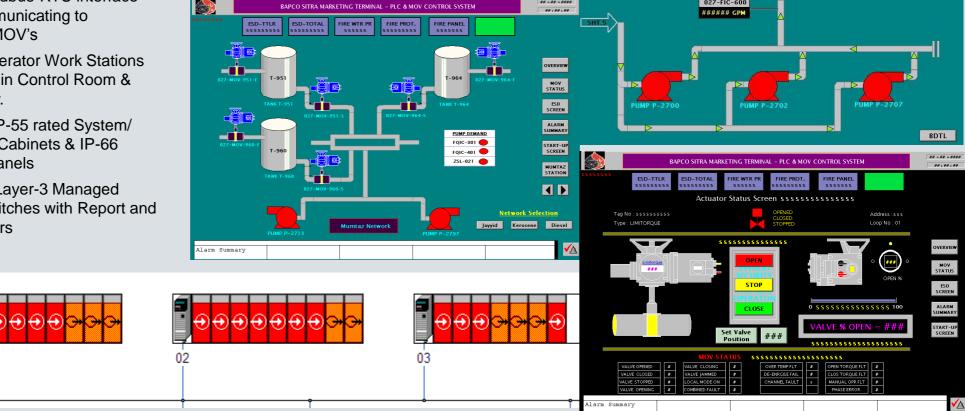
1999

## Implementation:

- · AB ControlLogix based Process Control System
- · Redundant Controller. Communication Interface, Power Supply with Simplex I/O's
- 2 nos. of Modbus-RTU interface link for communicating to Limitorque MOV's
- · 2 nos. of Operator Work Stations (RSView32) in Control Room & BDTL facility.
- Duly wired IP-55 rated System/ Marshalling Cabinets & IP-66 rated RIO Panels
- Redundant Layer-3 Managed Ethernet Switches with Report and **Alarm Printers**

## **Benefits** for the customer:

- The centralized control system made the overall operation much easier & reliable.
- Completely integrated with all third party systems
- Optimized productivity of operators and lower risk using role-based access to process control system.
- Highly Flexible / Expandable





Sheet 2