

ADAM X-1 HALA EARLY PRODUCTION FACILITY

(2008)



LOCATION

Sindh, Pakistan

SCOPE

- Electrical engineering including interconnection/communications interfaces to vendor skid packages and third party MCC's
- Instrumentation engineering for all non-skid process related devices
- Control system engineering for common basic process control system (BPCS) and combined safety system (CSS) control systems
- Supply of:
 - Instruments for non-skid (vendor) related instruments
 - Instrumentation bulks
 - Electrical bulk material for non-vendor supplied skids
 - Control system, operator interface and Data Historian
- Supply of one (1) 500kW diesel generator
- On-site commissioning support

PROJECT OVERVIEW

The Adam X-1 Hala early production facility, located in Sindh, Pakistan, was designed to process and export up to 27.4 mmscfd of gas, 1,310 bbl/day condensate and up to 26 metric tons of LPG per day from the well effluent. The produced water is degassed in storage tanks and routed to an evaporation pit.

Two production fields were introduced into the design; the initial Upper Basal Production deemed as sweet production and the Lower Basal Production deemed as sour. The design incorporated different control strategies to accommodate the two production fields. The project consisted of several vendor skids with independent controls that were integrated into a common BPCS and a CSS.

Tarpon was contracted to provide the electrical, instrumentation and controls engineering and related hardware, and on-site commissioning support. The control system consisted of a Rockwell Automation ControlLogix solution at the request of our client complete with a Wonderware operator interface and Data Historian for the main control system. The supplied control system was integrated into the different vendor skids controls which included: refrigeration LPG plant, sales compressor skid, amine plant, gas metering skid, and a gas recycle compressor.

