

Remote Well SCADA & Telemetry System

Client:

SICON

Location:

Panjpur, Pakistan

Equipment:

Wellhead Control Panel (WHCP), Radio Frequency (RF) Telemetry

Project Background

Oil and Gas Development Company (OGDC) required a voice and data telemetry link to control and monitor six individual well sites remotely from the host facility located approximately 20 km away. Each of the well sites required voice and data to be transferred to a main control room via a dual redundant UHF point to point radio link with all data being displayed at a terminal running Citect SCADA HMI software.

Solution

Proserv provided a point to point RF link between the main control room and remote well sites, located at Panjpur, using MDS radios. Each well site required a WHCP with remote UHF radios and EXS 1000 RTU's. The RTU was programmed to perform AGA3 gas calculations and flow measurements which were transmitted back to the main control room. The remote well control panels were solar powered and manufactured in UK by Proserv.

Scope

Proserv designed and fabricated six solar powered WHCPs, a point to point UHF Radio link, six RTUs, radio antenna and mast, site installation equipment, solar panels and batteries. To complete the work scope Proserv also provided the installation and commissioning services.

Conclusion

Proserv designed and developed a voice and data link to allow the remote well locations to link with the host facility. This allowed remote monitoring and control of the six well sites.

Benefits

Provided complete autonomous control of six remote well sites from the main control room near Panjpur Pakistan.

