



Overview:

Development and commissioning of a remote SCADA system for the management of assets.

Services:

- Design
- Configuration
- Commissioning
- Repair & maintenance

Tools & Technology:

- ABB Total Flow Meters
- Remote Valve Control via PCCU
- ICONICS Genesis 64
- ICONICS HyperHistorian
- Alarm Notification System
- KepServer OPC Suite

Magnitude:

- 6 Months
- 1 Technical Lead
- 2 Engineers

Challenges:

After acquiring multiple pipeline assets, a Louisiana based midstream company had no visibility into the overall performance across the asset fleet. This was a problem for productivity analysis, as well as maintenance.

Solutions Provided:

SCADA implementation

- ICONICS Genesis64 Web Client development
- Meter Detail displays easy performance updates
- HyperHistorian for meter detail logging
- Alarms with SMS and email notification
- Real-time performance monitoring and calculations

KepServer OPC

- Configured, virtualized and deployed OPC server
- Designed integration using standard protocols
- Enabled remote polling of live data

Commissioning

- FAT
- SAT
- Commissioning
- Post-commissioning support
- System troubleshooting

Training

- System-specific training for site personnel

Accomplishments:

- Better centralized visualization, rather than traveling on-site to retrieve desired information
- Improved alarm management