OVERVIEW

The SatSCADA System is an end-to-end system for mobile pump system monitoring for industrial water transfer applications such as frac water supply and SAT100 dewatering applications.

The SatSCADA System is comprised of Satellite RTU Terminals with the SatSCADA Server that notifies alarm conditions via SMS, email or voice notification, and provides Web/Smartphone based User Interface to Site Status and Trends.

SAT100 RTU Panels interface to Pumping Systems to monitor Inlet and Outlet Pressures, Outlet Temperatures, Flow, and Pump Run Status to alert operator of pump problems such as pipeline leaks, pump and engine malfunction.

Satellite and cellular communications technology ensure operation in the most Remote areas.

SYSTEM FEATURES

- Global Coverage via Inmarsat Satellite Network
- 4 Inputs (4-20ma or Status Inputs)
- RS232 & RS485 Communication to Smart Instruments & Controllers
- GPS Location
- SMS/Email and Voice Notification
- Web and Smartphone Based User Interface
- -40 to 70 degree Operation

APPLICATIONS

- Dewatering System
- Frac Water Supply

MONITOR

- Flow
- Inlet & Discharge Pressure
- Discharge Temperature
- Engine Run Status

APPLICATION NOTE 132

SYSTEM DIAGRAM