



UPS Adds Reliability to Critical Applications

Application Sheet # 38

CUSTOMER VALUE

Reduction in man time and increased confidence during power outages.

SITUATION

- A customer operating in the Marcellus had a critical gas application requiring constant injection of three different chemicals (foaming agents and methanol) into 18 different locations.
- The chemical injection systems were powered from the grid. Grid power in the area had regular outages typically resulting in loss of AC power for 4 to 6 hours.
- These power outages would result in chemical injections systems shutting down, leading to potential well workovers, downtime and compressor failure.
- Due to the critical nature of the application and lack of confidence in grid power, a significant amount of manpower was required to monitor activity, ensuring the pumps had power and continued to move fluid.

SOLUTION

- To save on the environmental footprint and cost, Sirius provided three chemical injection systems; each with a six point stack manifold rather than the 18 pumps typical in these applications.

- To ensure reliability and consistent injection during power outages the system included a Sirius UPS (uninterrupted power supply), and a Sirius InSight system. The InSight system provides flow assurance, closed loop flow control, tank level and alarms.

RESULTS

- Capital costs as well as the footprint for the chemical injection system was reduced.
- The UPS system added reliability and confidence.
- Flow rate, tank level, and battery voltage, were all brought into SCADA reducing the on-site monitoring required to ensure safe and consistent operation.

