

Configurable Controller Improves Redundancy

Application Sheet #48

CUSTOMER VALUE

Customer gets critical alarms and information without connecting to Modbus

SITUATION

- An Operator in Northern Alberta had been purchasing Sirius Nova chemical injection packages. The systems were communicating through Modbus TCP to monitor and provide alarms related to their methanol injection and corrosion control program.
- The Operator had planned an additional 16 locations for similar injection systems.
- As in the past wellsite Modbus was TCP which polled all alarms via a common ethernet connection. This created customer concern related to alarm reliability. In addition, the cost for RTU to TCP converters was significant.

SOLUTION

- The Fusion2 controller has a feature which permits the alarms to be hardwired using any digital output.
- These alarms can be utilized to start and stop the pumps providing the level of control desired.
- Each of the Fusion2 Controllers has an independent connection, providing the redundancy and reliability required.

RESULTS

- The customer had all the alarms they required including low flow, low tank level, pump run status, and motor current,
- The hard-wired independent connections provided a higher level of reliability deemed necessary by the customer.
- The costs of the communications hardware were significantly reduced.

