

Remote Batch Monitoring

Company Profile

This customer is a world leader in the manufacturing of biochemicals and enzymes.

Challenge

A pharmaceutical company produces products in batches that can span hours or even days to complete. During the batch process all process data, including pressures and temperatures, needs to be recorded to ensure product quality and for regulatory reporting.

For the processes that span a long time, there are periods when there is no personnel on site to monitor the recorder for anomalies. When excursions from norms happen when there is no oversight, the batch must be discarded, or at best re-worked. This is costly in terms of product loss, production time waste, and disposal costs. Also, if a paper jam or other recorder mechanical failure occurred, the batch data cannot be proven, so the result is a nonconforming batch.

Solution

Rawson/Industrial Controls provided a videographic data recorder without mechanical pens to prevent failure and provide networking capabilities. To monitor the system, SCADA software was provided for on-premise monitoring, and the web-viewing option was enabled to allow engineering to remotely view the process via an iOS-based device. Alarming was included to alert the operator of excursions so corrective action could be taken before production damage occurred.

Results

Rawson/Industrial Controls' expertise in data recording, SCADA software, and communications systems was the basis for creating a hybrid solution of instrumentation and automation products. Our engineering services team put this solution together to provide a robust monitoring system that can be expanded to multiple recorders throughout the customer's facility.

