

# Case Study

## Cellular Monitoring of Recorder Data

### Company Profile

This customer develops, manufactures, and markets diagnostic products. The company provides a handheld automated blood analysis systems capable of performing blood tests to hospitals, and ambulatory and urgent care facilities.

### Challenge

A medical devices manufacturer produces all their products in a clean-room environment. The temperature and humidity in each of these rooms must be tightly regulated according to FDA regulations. The data proving that these values remained in tolerance throughout the manufacturing process are recorded in an electronic data recorder.

At times, the data needs to be viewed by company personnel outside of the building. Because all of the equipment is located in the manufacturing area, the customer was unable to remotely access data or receive alerts that parameters were out of tolerance.

### Solution

Rawson/Industrial Controls provided a cellular RTU to connect to the customer's paperless data recorder's network port and provide secure access to remote users. The RTU was programmed to send alerts if any of the recorder's parameters was reaching an alarm limit as defined by the customer.

### Results

The customer is now aware when process values are trending out of tolerance and can deploy resources to remedy the situation before a reportable event or product loss occurs. Rawson/Industrial Controls has vast experience with both electronic data recorders and cellular communications. We have relationships with several IIoT vendors and the knowledge to implement systems, giving customers remote access and dashboards to their process systems.

