

Strategic Placement of Wireless Devices Solves Benzene Venting Problem at Refinery

BENEFITS

- Wireless pressure transmitters help find the cause of benzene leakage
- Customer experienced better environmental compliance and decrease in regulatory fines



CHALLENGE

A refinery was experiencing issues with their benzene tanks venting into the atmosphere. The local environmental regulatory agency requires the monitoring of nitrogen blanket pressure on benzene tanks to ensure no venting has occurred.

SOLUTION

Five Rosemount 3051S Wireless Pressure Transmitters were installed on three tanks to measure nitrogen pressure. These were strategically installed in order to monitor the venting of benzene and to help find the cause of the leak.

RESULTS

The customer was experiencing unmonitored benzene venting on their tanks, and with Smart Wireless solutions their tanks could be monitored and the data time-stamped. If venting should occur, the event would be documented accurately. This results in a decrease of regulatory fines and better environmental compliance.