

Refinery - Pump

Problem

- Indicators showed position tags of valve at 90%.
- Reformer tube temperature dropped slowly to 750° from 785° (Low alarm threshold was set at 650°).
- Reformer draft opening dropped to 42% from 98%.

How SAM GUARD Helped

- SAM GUARD began to send alerts 100° prior to the set threshold.
- Thanks to the early alerts, which combined all indicators along with other aspects of the plant, measures were taken to avoid equipment failure and major emergency shutdown.

Value

- SAM GUARD provided an accurate alert that prevented a major failure of the pump.
- By fixing a small problem ahead of time, a greater problem was eliminated that would have caused shutdown and lost production.

