

ELIMINATE UNSEEN SAFETY RISKS



"My job is to keep my company out of the news."

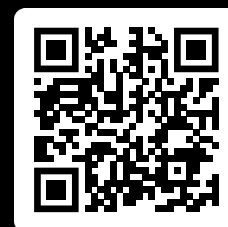
Facilities Manager for large national distribution end-user.

A catastrophic safety event can easily cost a business millions of dollars or even force it to close. Sentinel System Activity Monitoring can improve safety by ensuring all critical industrial refrigeration valves are working as designed. It can provide prompt alerts to operators when function is not correct or failing. Furthermore, it can summarize facility "Health" to responsible engineering/compliance/safety managers to ensure on-going system integrity.

Featuring non-intrusive activity sensors, Sentinel can be easily retrofitted to any existing manufacturer's valves to determine proper flow state and alert operators/managers of non-conforming conditions (ON-OFF-ALARM-LEAK).

Keeping the spotlight where it belongs.

Contact us for more information and access to our risk assessment prospective.



Our advanced monitoring solutions provide unparalleled value by enhancing operational safety across three critical dimensions:

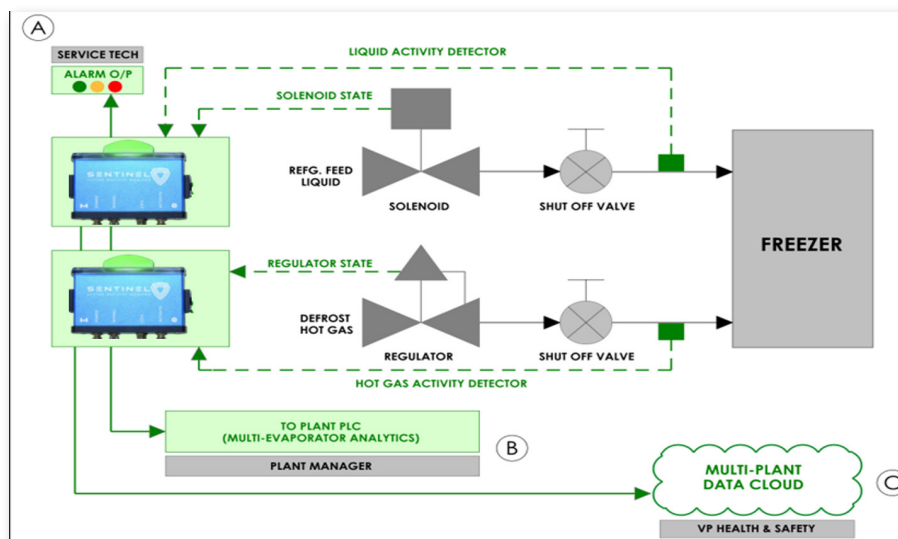
Proactive Alerts: Our system brings specific functional deviations, such as a leaking hot gas valve, to the immediate attention of operators and technicians. This enables timely investigation and repair, preventing minor issues from escalating into major problems.

Real-Time Synchronization: By comparing valve states with activity and flow states, our solution ensures that processes remain in sync. This active monitoring prevents unsafe conditions, such as a liquid valve stuck open during the defrost hot gas stage, while simultaneously providing interlocking and alerting capabilities.

Operational Insights: Our solution tracks and analyzes the operational behavior of individual valves and evaporators, identifying performance variations and potential issues, such as intermittent sticking. This comprehensive understanding of equipment performance supports proactive maintenance and extends the lifecycle of critical components.

By integrating these advanced monitoring capabilities, we empower organizations to achieve higher safety standards.

Typical Application: Monitoring Liquid & Hot Gas Supply



Levels of Safety Monitoring

- A. Local indication of status for technician
- B. Remote visibility of status and alarms for responding manager
- C. Cloud-based awareness of system safety integrity & performance for company leadership