

Safety Improved Through Wireless Monitoring of Safety Stations

BENEFITS

- Wireless monitoring of eye wash and safety shower stations improve safety at paper mill
- Installation savings nearly 60% compared to wired
- Rosemount 702 wireless discrete transmitters monitor switches every fifteen seconds



CHALLENGE

At a paper mill in North America, the customer wanted to monitor eye wash and safety shower stations in the process safety management areas. The mill wanted their operators to be able to respond quickly to emergencies in these areas. A traditional wired solution was cost prohibitive, so an alternative wireless solution was explored.

SOLUTION

The customer installed five Rosemount 702 wireless discrete transmitters at their site. Since the 702 can take two inputs, three of the transmitters were connected to six of the eye wash and safety shower stations. The remaining 702 transmitters were each connected to a single station. Along with the transmitters, one Smart Wireless Gateway was mounted on top of a five story building.

RESULTS

The mill is now able to monitor the switches every fifteen seconds, and has the capability to time stamp the devices to ensure each one is updating properly. Not only did this improve the overall safety of the mill, but by utilizing a wireless solution versus a traditional wired solution, the mill was able to save nearly sixty percent in installation costs.