



:: Are you wireless? ::

## Pump discharge temperature and safety trip switch monitoring for hazardous chemical pumps eliminate false trips and improve plant reliability

### *Challenge*

Hazardous chemical pumps dispersed throughout the plant with unreliable “local” temperature protection systems and no temperature or safety trip indication for operations. Plant experienced a “near miss” caused by a faulty trip system and limited operator information.

### *Solution*

Designed a new local temperature protection and wireless monitoring system to provide improved high temperature protection and data availability while reducing total project costs and increasing return on investment.

### *Results*

Eliminated the “safety risk” associated with the unreliable “local” temperature protection system. Improved operator awareness and effectiveness with the additional temperature data, trending and alarming in the control system. Reduced project design, installation and construction costs with the use of the wireless technology.

### *Estimated Savings*

Improved safety of plant = \$Priceless. Actual project cost savings of 30% on a \$130,000 project.