



Steam Trap Monitoring Saves Labor & Energy

Customer: Veterans Hospital

Location: Southwestern City




Scope of Work: This medium sized Hospital Facility produces its own steam and distributes it on campus through a steam distribution line. The maintenance staff had been reduced over the years through attrition. They had an ongoing trap management program, but with manpower cuts, the remaining qualified steamfitters were frequently being pulled away to other tasks. The need for consistent trap monitoring was strong because of the lack of manpower.

Armstrong International and Utility Systems Solutions provided a turnkey retrofit installation of SteamEye® trap monitoring to identify when and where a trap had failed and tied it into their existing local area network through an IT approved device. The energy manager and facility could efficiently track every trap and pinpoint the location of a failed traps.

Upgrade Projects: A comprehensive steam trap survey was conducted to locate all traps, identify failed traps and specify the correct monitoring devices. The survey results generated a turnkey retrofit project to install steam trap monitoring transmitters on the high and medium pressure traps. Removable insulation was also installed to increase system efficiency.

Payback: The simple payback was under five years.

Benefits: The energy manager reported, "With ongoing manpower cuts, our facility maintenance staff shrunk to 3 steam fitters and all of them have other obligations besides the steam system. We needed a way to help them quickly identify and repair failed traps. Steam Eye monitoring was the answer."

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