



Steam Trap Monitoring

Customer: Veterans Hospital

Location: Northeastern USA



Scope of Work: The veterans’ hospital was built in the 1950s and is located in a major metropolitan area served by a city steam loop. The cost of steam had increased to \$33 per 1,000 pounds and the facility was looking for a way to cut costs. Most of the problem traps were located in mechanical rooms, but some were located in a vault with numerous leaks and hostile conditions. The system needed to be able to operate in both locations.

Upgraded Projects: The facility engineer selected the Armstrong SteamEye® system to monitor the traps and Utility Systems Solutions to perform the turnkey retrofit installation. A full steam trap survey was conducted to identify energy savings and specify the correct monitoring devices.

Payback: The simple payback was under two years.

Benefits: The facility engineer reported, “Our problem was the high cost of city steam and no way to know where our losses were occurring. We put SteamEye® on 76 of our problem high and medium pressure traps and were able to cut steam consumption by an average of 4,000 pounds per hour with a substantial savings.”



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