



Saving Energy & Improving Condensate Systems

Customer: Veterans Hospital

Location: West Coast

Scope of Work: VA Hospital was finding numerous pumps within their condensate return system were burning out seals due to overheated condensate in the line. The problem was attributed to numerous “blow thru” failed steam traps, but the facility was having trouble locating these traps. They also realized there was a significant energy loss caused by these failed traps. An Armstrong trained survey team performed a steam trap survey to identify failed traps and determine energy savings available through the SteamEye® system.




Utility Systems Solutions then 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. This way the energy manager and the facility manager could track it.

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 were applied through a turnkey retrofit project to install steam trap monitoring transmitters on the high and medium pressure traps including hard to reach locations.

Payback: The simple payback was under five years.

Benefits: “I heard about SteamEye® at GovEnergy and used it to solve our problem with our overheated condensate return. The condensate was coming back at 210 degrees and was burning out the condensate pump seals. The distribution lines traps were blowing through, but we couldn’t find them. We got energy funding to install SteamEye® real time monitoring... problem solved.”

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