

SteamEye

Tool for providing real-time monitoring of steam traps.



ARMSTRONG INNOVATION

In order to operate, **SteamStar** must be “fed” with information about the traps. There are two ways to supply this data:

- By collecting the data manually, which requires that a technician run through each trap (generally once a year)
- By collecting the data continuously and automatically, using Armstrong SteamEye®

SteamEye® is something of a “sentinel” that records all the essential data about the traps. It is a wireless permanent monitoring tool for steam traps.

SteamEye® is installed on the pipe line upstream of the trap. This makes it completely universal. In fact, it can be used on any make or type of trap.

SteamEye® provides 24/7 control of steam traps and supplies precise data for each station. This information is transmitted to a central receiver over radio frequencies and can be sent to SteamStar via the Internet.

Focus on the advantages of SteamEye®

- Permanent, non-intrusive installation on the inlet pipe line, which makes it insensible to dirt
- Combines vibration wave analysis with temperature measurement
- Can be used on any make or type of trap
- Tests the trap several times a day
- Can forward results to Armstrong **SteamStar** for in-depth analysis

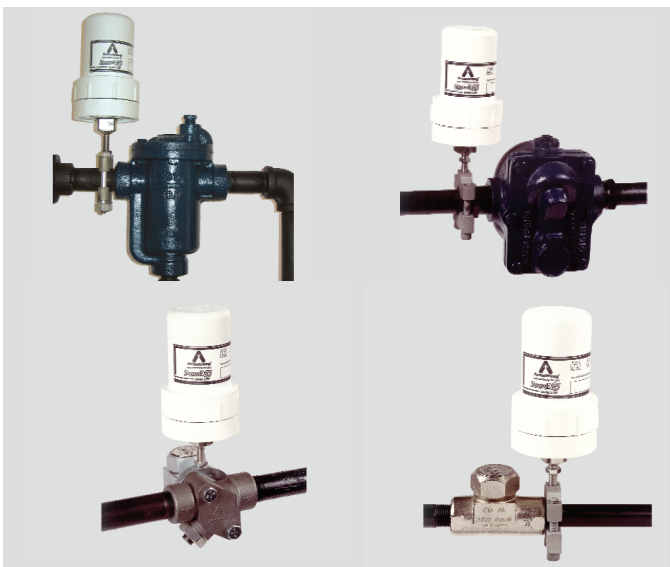
Manual Collection (Trap Survey) vs. Automatic Collection with SteamEye®:

Manual Collection

- Traps are tested once or twice a year
- Time between failure and report: 1 - 13 months
- Performance rate: up to 95% of trap system maximum
- Manpower deployed for trap diagnostics
- Single test

Automatic Collection: SteamEye®

- Traps tested several times a day
- Time between failure and alarm: immediate
- Performance rate: up to 99% of trap system
- Completely automated
- Repeated tests result in increased reliability

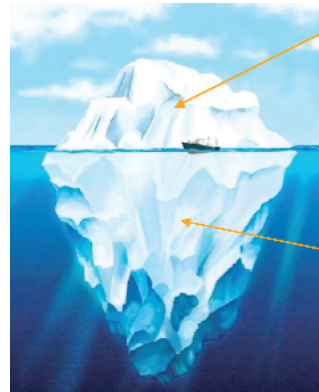


SteamEye

TOOL FOR PROVIDING REAL-TIME MONITORING OF STEAM TRAPS.

Why is it important to know instantly when there is a trap failure?

Because many visible and hidden costs are linked to trap failures...



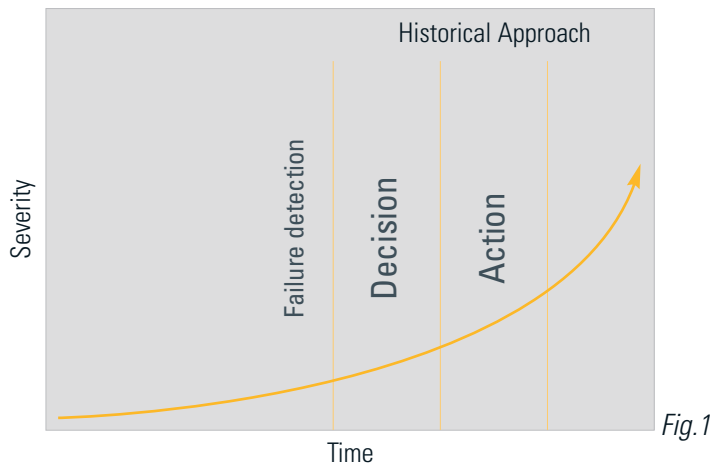
Leaking traps = Visible costs:

- Losses of live steam
- Needless CO₂ emissions

Traps accumulating condensate = Hidden costs:

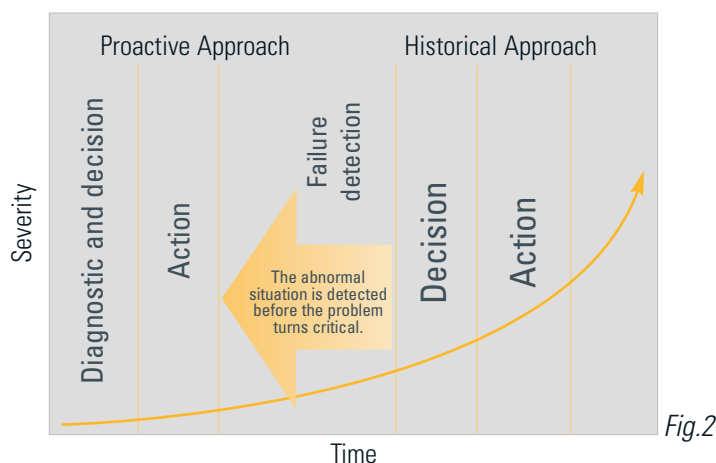
- Production reduced or stopped
- Damage to installation upstream
- Greater maintenance needs
- Highest safety risk

...and taking proactive actions can lower these costs!



Traps are inspected once a year even though a failure can occur at any time!

The time that elapses between the day the problem appears and the day it is resolved can create serious problems and result in significant costs. (Fig.1)



Being able to detect a problem as soon as it appears enables you to take action before it results in significant damage or losses.

Adopting a proactive approach can let you realize lower costs and higher efficiency on your steam system. (Fig.2)

SteamEye® lets you be proactive and control your steam system better!



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