

SteamStar®

Tool for analyzing steam system data



ARMSTRONG INNOVATION

For more than 100 years, **Armstrong** has been leading the innovation to keep increasing your steam systems reliability. Now, Armstrong offers you a solution to optimize efficiency: “**SteamStar**”.

SteamStar™ is the first and only web-based platform for recording, controlling and managing all data from your steam system.

The new tool preferred by industrials

On a worldwide basis, more than 200 industrial sites manage their steam trap systems thanks to SteamStar and this number keeps growing.

Focus on the advantages of SteamStar:

- It **calculates real losses** for steam, fuel and CO₂ using a methodology that has been approved by the U.N. Technical Committee (specifically related to the Kyoto protocol).
- It **produces detailed reports** that provide better visibility of the installation.
- It is also an **analytical tool** for benchmarking multiple production sites, analyzing trends over several years, and calculating Return On Investment (ROI).
- It requires no installation or updates. It **can be accessed** from anywhere in the world by any authorized person, and is available in 10 languages.
- It ensures **confidentiality** and each access is password protected.

This way, if you are in charge of Maintenance, Production, Energy, Environment or Safety, SteamStar can provide you many advantages.

SteamStar lets you...

- **Improve your steam system's efficiency**

SteamStar provides you with analysis that shows the performance rate of your steam traps and enables you to improve it. In fact, an unusually low performance rate does not just come from lack of investment or maintenance, it can also be the result of poor selection or installation of the steam trap. With SteamStar, you can benchmark your trap stations and get an understanding of what modifications are needed to increase service lives.

- **Improve your energy management**

Leaking traps can generate up to 5% loss in your steam installation. Thanks to SteamStar, you can find out how much steam is being lost by each leaking trap and set your maintenance priorities.

- **Monitor your CO₂ emissions**

The steam boiler is one of the main sources of CO₂, CO, NO_x and SO_x emissions in an industrial facility. Generating steam that is lost through leaking traps needlessly increases these emissions.

- **Reduce production stoppages and steam installation maintenance**

Some steam traps can fail in the "closed" position. When this happens, although they do not lose steam, they do accumulate condensate upstream. This phenomenon makes it difficult for the exchangers to operate properly and results in mechanical shock. Production can be shut down and certain batches lost due to lack of temperature. Mechanical shock and corrosion produce excess wear and tear on the installation, resulting in needless maintenance expenses. With SteamStar, you can list the traps that are blocked in the "closed" position and take action before it is too late.

- **Improve communication both within your company and with your subcontractors**

SteamStar provides you with centralized storage for essential data about your steam system. You and your colleagues involved can access this data any time, anywhere. Moreover, you can authorize your subcontractors to view certain technical data in order to make it easier for them to service your installations.

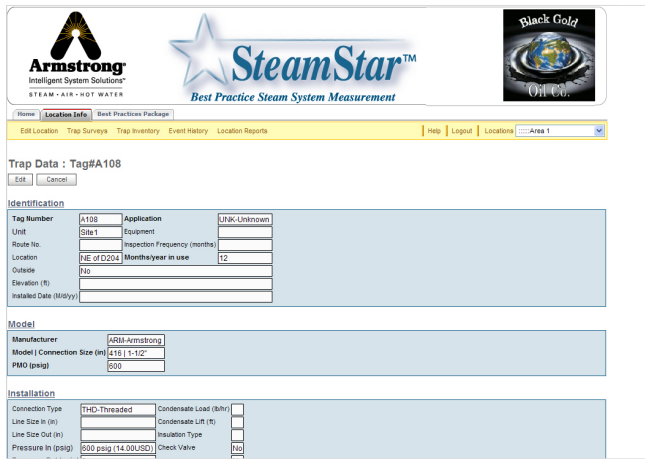
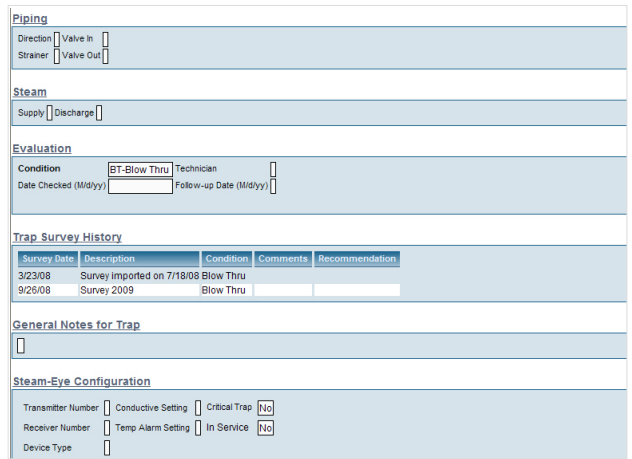
What about the existing trap surveys?

Results of previous trap surveys are not lost! In fact, existing data about your trap system can easily be input into SteamStar. This means your system's situation log is retained.


SteamStar ...

The standard version of SteamStar provide you an array of reports that will give you another view of your system...

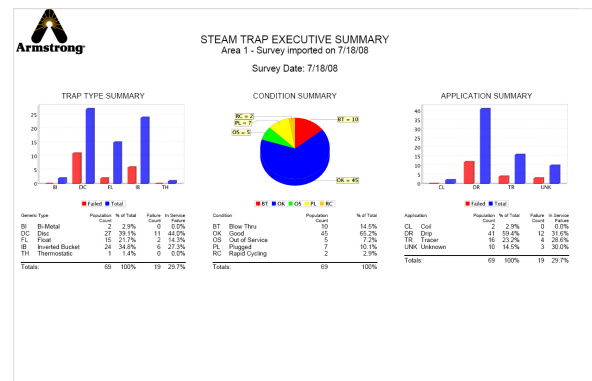
More than 40 information fields for each trap station

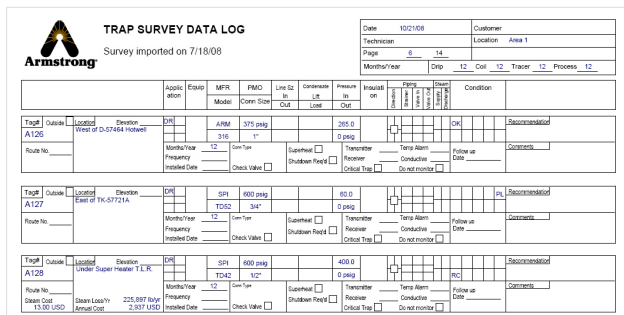
Breakdown of losses for each trap station



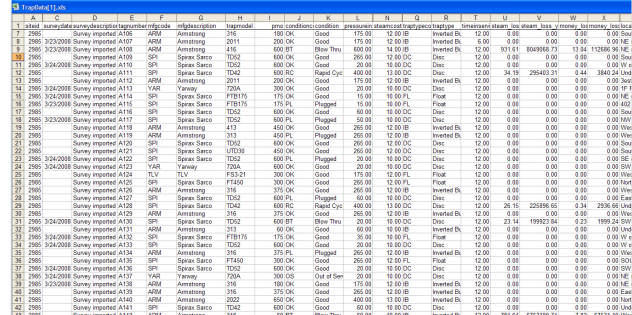
A general summary of the traps



A detailed list of failed traps



An Excel file for performing custom analysis




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