



**THE FUTURE OF STEAM AND
HOT WATER SYSTEM MANAGEMENT
BEGINS HERE.**



ONLY ARMSTRONG BRINGS YOU CUTTING-EDGE INNOVATION IN SMART UTILITY MONITORING, MEASURING AND REPORTING

By enabling you to maximize equipment reliability, efficiency and safety, SAGE® raises utility system management to a groundbreaking new level. This powerful software tool accurately calculates losses in steam, fuel, money and emissions based on methodology approved by the United Nations Technical Committee. SAGE® analyzes your data to track behavior and performance, making it the most state-of-the-art steam and hot water system management available today.

A FULLY INTEGRATED SOLUTION

SAGE® works seamlessly with all of our real-time monitoring products (SteamEye®, AIM®, The Brain®) ensuring that it always has access to the most current data on your critical steam trap and hot water systems.



ENGINEERED TO MAKE YOUR LIFE EASIER

SAGE® is intuitive to use and offers unprecedented flexibility for a tailored user experience. Organize and manage your equipment population with ease, customize how data is filtered throughout the system, view only relevant equipment or oversee your entire organization—with SAGE® the options are yours.

YOU OWN YOUR DATA, WE KEEP IT SECURE

With SAGE®, you own your data and it is always safe and protected by high-level security. The enterprise-class cloud-managed IaaS is built on recognized technology platforms and operated from a Tier 3+ data center for 99.982% uptime. Our fully hosted solution is backed by guaranteed high-level security that includes automated backups, https encryption and SSAE 16 compliance.



SAGE® MOBILE—OUR EXCLUSIVE APP

Perform steam trap surveys with efficiency and accuracy, and conduct resurveys much more quickly than with traditional methods, using SAGE® Mobile on your Apple or Android device—even when no Internet connection is available. Included with SAGE®, our native mobile application incorporates our Squares Condition Updates and an intuitive user interface for the swiftest way to manually update the condition of your traps. SAGE® Mobile quickly gathers your data and stores it locally, automatically pushing it to SAGE® when it has network access.

Built to operate on Apple versions supported iOS 9.0 or newer and Android devices supported for 6.0 or newer. This easy-to-use application eliminates dual data entry and provides significant time savings on resurveys, and even greater time savings on initial surveys. SAGE® Mobile also allows technicians to document whether you have 10 traps or 10,000, one Brain® or 10, SAGE® enables you to manage your entire organization or company, regardless of size or location.



SAGE® DASHBOARD

The dashboard gives you a powerful decision-making tool by providing convenient access to vital, real-time data from multiple areas.

- **Steam System**—Facility summary of steam trap system performance rate and daily losses.
- **Hot Water Updates**—Summary of critical temperatures for monitored Armstrong products.
- **Alerts**—System notifications allow for easy identification of problems and maintenance of equipment.
- **Annual Steam Loss**—A 12-month view of steam and monetary loss.
- **Real-time Technical Support**—Support for SAGE™ and Armstrong International products through face-to-face video communication, email and phone calls.



SMART UTILITY REPORTING

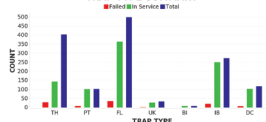
SAGE® delivers the reports you need, based on the parameters you choose.



Total Annualized Summaries 191,470

17,978,000 Fuel Used
2,400,000 Repair Cost
12,764,692 Steam Loss
189,070 Savings
1 month Payback Period
2,102,998 CO2 Emissions

TRAP TYPE SUMMARY



Description	Population	% of Total Failure Count	In Service Population
TH Thermostatic	402	28.15	29
FL Float	498	34.89	35
IB Inverted Bucket	272	19.1	20
FT Pump Trap	202	14.24	8
DC Disc	117	8.26	7
UK Unknown	33	2.33	1
BI BI-Metal	8	0.49	0
	1,432	100	100

Created by William Aubrey

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- **Steam Trap Executive Summary**—Provides a totalized summary of selected data in any of the following categories: monetary loss, fuel used, repair cost, payback period, and CO2 emissions. Chart options include: trap type, application and condition summaries.
- **Steam Trap Survey Summary**—Although similar to the Steam Trap Executive Summary, this report pulls data for selected survey technicians and time periods, allowing the user to run a report based on a performed survey.
- **Work Order/Defective Trap Report**—Provides a list of the defective traps within selected data parameters. Lists are organized according to selected groups, making it easier to find and repair traps.
- **Hot Water Report**—Provides a complete overview summary of digital recirculation valve and hot water system performance over the selected time period. Report includes an overall average of hot water inlet temperatures, recirculation return temperatures, actual outlet temperatures as well as a comprehensive list of all alarm/alert conditions monitored. Also provides a temperature trend of the hot water system throughout the selected time period.
- **Trap Detail Report**—Summarized or full-page report provides details for each trap within selected data parameters.

YOU CAN DO IT ALL WITH SAGE®

SAGE® helps you increase equipment reliability, efficiency and safety while allowing you to reduce environmental emissions. Whether you want to save time and money by keeping your facility's steam traps running at top efficiency, or you want to ensure happier customers or safer patients by operating, monitoring and reporting hot water system performance in compliance with global hot water safety guidelines—SAGE™ is the intelligent solution you need.

ONE BUILDING OR YOUR GLOBAL CORPORATION

Whether you have 10 traps or 10,000, one Brain® or 10, SAGE® enables you to manage your entire organization or company, regardless of size or location.

MORE INFORMED MEANS MORE PROACTIVE

SAGE® gives you regular updates, precise documentation, and alerts you if an issue arises so you can take immediate action. Your decisions are swifter and smarter because you have deeper, more comprehensive insight into your utility system.

COMPLETE ACCESSIBILITY

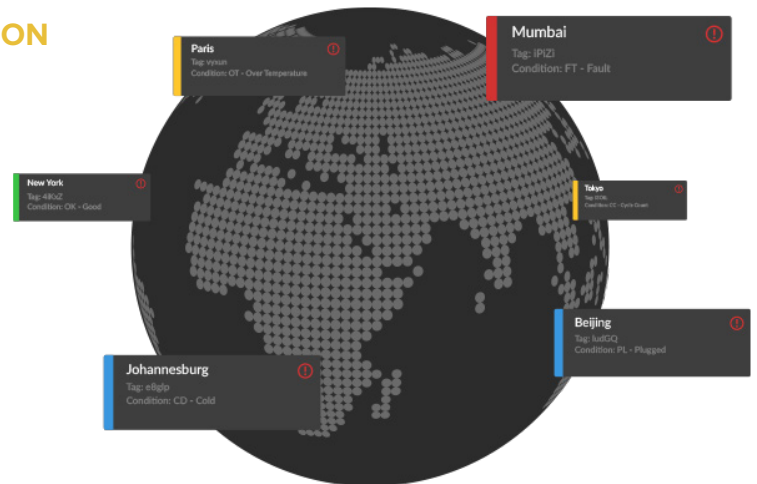
SAGE® is easily accessible from virtually any device, wherever you are, at any time. It performs beautifully on tablets, laptops and desktop computers, and it is compatible with most common Internet browsers, including Google Chrome, Internet Explorer and Safari. Whether you're using a PC in your office or a mobile device out in the field, the responsive format will adapt to the size and resolution of your screen.

CHOOSE YOUR TERMS AND SUBSCRIPTION

With SAGE® there are no hidden fees, no complicated license models and no long-term contracts. Choose from recurring monthly or annual subscriptions. All of our basic packages provide access to every feature SAGE® has to offer, including real-time monitoring. Prices are all-inclusive, so every package includes unlimited users, unlimited storage, unlimited devices for your organization, and the best customer service in the business. Unlike most business software, we do not charge per user/seat so you can use your account with as many people as you'd like without worrying about extra charges.

Armstrong accepts all major credit cards.

Additional payment methods are available with the Enterprise package.



GET STARTED WITH SAGE™ IN LESS THAN FIVE MINUTES

Getting started with SAGE® takes less than 5 minutes. Our unique cloud solution needs no hardware or software setup and requires nothing from your IT department. It's quick and easy.

Email sage-support@armstronginternational.com or call (269) 965-4017 to subscribe now or to contact the SAGE® support team for more information.

WHY ARMSTRONG?

As a global leader in utility management, Armstrong International is on the forefront of technology and innovation. Our in-depth knowledge and experience spans more than a century, enabling us to serve you in ways no one else can. We're here to solve your problems and prevent them with groundbreaking technology and reliable, hardworking products that demonstrate unparalleled value and improved utility performance. All over the world, Armstrong's intelligent solutions are hard at work, saving time, money and energy for thousands of satisfied customers.



INTELLIGENT SOLUTIONS IN STEAM, AIR, AND HOT WATER

Armstrong International

North America • Latin America • India • Europe / Middle East / Africa • China • Pacific Rim

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