

Swagelok Pittsburgh | Tri-State Area

Your Local Swagelok® Fluid-System Solutions Experts

Stop Media Leaks. Start Improving Productivity.

Swagelok Energy-Loss Evaluations, conducted onsite under your supervision, will identify, tag, and document your leaking tube fitting, pipe, and valve connections that place your workers, equipment, end products, and operational profitability at significant risk.

There is a substantial cost associated with system leakage, no matter gas, air, water... and no matter what your industry or application. Here a few recent examples of how our in-depth surveys have helped customers save time, money, and worry employing our advisory team and its proven and trusted methodologies and recommendations for a safe, enhanced fluid-system performance:



Challenge

A Chemical account's compressed air distribution system was negatively affecting the plant's ability to control its production processes. Resultant end products far too often failed to meet quality standards...and that meant scrap/waste. In addition, the site's product-bagging equipment was also leaking, further compounding delivery issues.

Solution

Swagelok's team was brought in to find and evaluate the site's numerous leaks. Most importantly, our engineers determined the root causes of the problem, particularly related to the overall system design. We worked with plant personnel to create new design standards for multiple aging systems. Lastly, we trained the maintenance technicians on how to safely and properly install tube fittings and bend tubing. **Result: Our customer saved over \$65,000 in air losses.**



Challenge

A Specialty Chemical manufacturer was losing valuable argon and nitrogen from its gas storage and delivery systems. That meant extremely high process efficiency and utility costs. The accuracy of the site's experiments was in dire jeopardy, too.

Solution

Swagelok's team applied its ultrasonic detection equipment and expertise to precisely locate the leak points. In addition, we issued a comprehensive report that detailed specific costs associated with each leak. In all, 13 major leaks were found to be most responsible for lost revenues. These were then repaired, **resulting in an estimated \$10,000 savings and ensuring lab experiment integrity.**



Challenge

A Power-Generation customer had to decrease expenses to stay competitive as cost per kilowatt hour steadily increased, but the amount of energy generated remained the same. However, the site had a limited budget to find the root causes of rising utility usage.

Solution

Swagelok's team came onsite to survey the account's compressed air and hydrogen systems. After an extensive review, we provided a lengthy report that not only showcased the problem areas but also prioritized repairs by potential impact to the company's Bottom Line health. We located almost \$50,000 worth of compressed air and \$6,100 worth of hydrogen losses. **These findings helped to eliminate another \$15,000 worth of annual air losses in the site's emissions control system.**

For complete details on all Swagelok leak-tight Products, value-added Strategic Support Services, and expert Application Solutions, contact:



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