
Industrial Gas Audits: Big Benefits for Your Bottom Line

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As the world economy struggles, businesses continue to search for ways to reduce costs by improving the efficiency of their operations. Industrial gases, due to their common usage in metals operations, are often overlooked as an opportunity for improving the bottom line. Any optimization effort should include a review of industrial gas usage, as this can often be an excellent source for savings and performance benefits.

For decades, Air Products has safely and reliably produced and delivered industrial gas worldwide. By calling on Air Products to perform an audit at your facility, you take advantage of the knowledge, experience and skills we have accumulated while maintaining thousands of industrial gas systems around the world.

Audits can be as broad or as narrow as required by your facility, from comprehensive assessments of the entire gas supply system – storage tanks all the way through the piping to the individual use points – to reviews of the gas flow control, metering, and blending equipment, or the actual furnaces and process equipment that use the gas. Air Products' team of industry focused engineers has the hands-on knowledge to help you identify ways to add value to your operations.

The services we can provide include:

- Leak checking of piping, components, and equipment.
- Proper sizing of delivery systems, piping, and related equipment.
- Calibration of flow metering and blending devices.
- Monitoring equipment for flow and purity.
- Profiling of furnaces to determine proper gas purity, pressure, and consumption.
- Analysis of actual gas composition being used, especially for blended gases.
- Review of process to optimize flow rates and/or blended gas ratios at various use points.
- Recommendations of different gas compositions and/or improvements to metering or blending equipment.
- Supply and delivery optimizations.

A comprehensive analysis of your current and future industrial gas requirements can also include flow monitoring at your site and an evaluation of the operating process. By performing this analysis we gain an understanding of your present and future requirements, enabling us to recommend the right supply option for your process. For instance, depending on your volume and purity requirements, many of our customers have been able to achieve 20-40% cost savings by replacing truck delivered nitrogen with an Air Products PRISM® nitrogen on-site generation system

Whether you are a small heat treat shop or metals fabricator or a large Fortune 500 manufacturing plant, Air Products has performed audits for a wide variety of customers like you. In many cases, customers who implement our audit recommendations realize cost savings in excess of the audit costs within just a few months. As an example, if your 80 psig argon line has just one small 1/32" hole, your process can be losing as much as \$20,000 each year from this single leak.

Audits can also improve quality and production as well as yield safety benefits for your operation. Contact us to learn how an Air Products' audit can improve your bottom line.

For More Information

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