

Digital Welding Efficiency Analysis™ (DWEA™)

Using digital tools for continuous
welding improvement

Airgas
an Air Liquide company



Introduction

The Advanced Fabrication Technologies team at Airgas, an Air Liquide company takes a systematic approach known as the Unlocking the Hidden Cost of Welding™ program to finding cost savings for customers. Within the program, our Advanced Fabrication experts perform a thorough Welding Efficiency Analysis™ by analyzing key inputs of a welding operation to benchmark its current performance and establish a baseline prior to the project implementation phase. Using the data gathered and following an immersive and collaborative process, we begin helping you implement a personalized improvement plan. Digital Welding Efficiency Analysis™ (DWEA™) was created as an enhancement to the program to enable continuous monitoring with a tool that tracks your performance.



For more than a decade, we've carefully studied more than 2,500 welding operations. What we've learned is that the top-performing companies implement standards and procedures that improve product quality and operational efficiency. We leverage our years of experience working with welding operations to help you achieve sustainable cost savings."

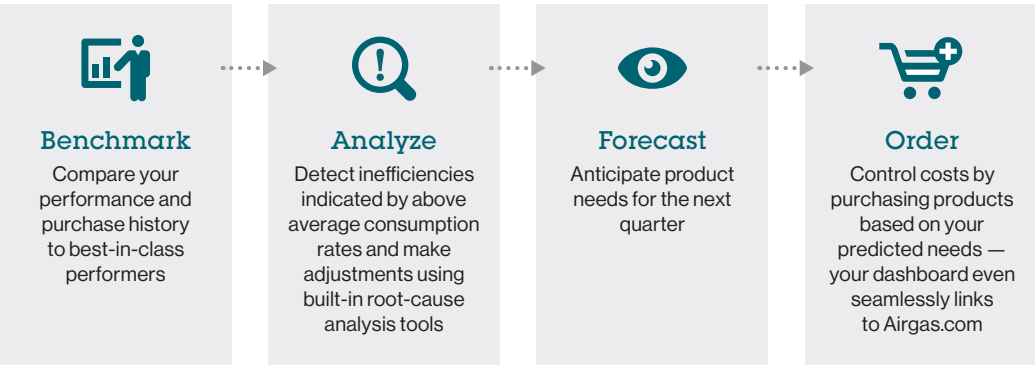
—Rob Tessier, CWI, CWS | National Director, Advanced Fabrication Technologies | International Fellow

The Airgas Solution

Digital Welding Efficiency Analysis (DWEA™)

The DWEA dashboard displays key usage and performance data about your business so you can easily view your baseline data and monitor your progress as you implement improvement projects over time. With details like purchase history and predicted usage at your finger tips, you can assess your performance on a quarterly basis and quickly address any indicators of a potential decline. You benefit from the full support of our Advanced Fabrication experts who are able to help you diagnose issues, implement corrective actions and resume your welding improvement plan.

 A digital tool that allows you to monitor your welding performance over time and make adjustments to keep you on track



DWEA is a complimentary tool available to Airgas customers who purchase gases, consumables and safety products. Learn more about our comprehensive program and other benchmarking tools we offer.

 **Find out more**
[Unlocking the Hidden Cost of Welding™](#)
[Welding Efficiency Analysis™](#)

DWEA advantages

See some of the key advantages of monitoring your performance with DWEA.



Customer Case Study

Digital Welding Efficiency Analysis for boiler manufacturer

The customer profile

A global manufacturer of boilers, burners and exhaust systems that relies heavily on welding and cutting in order to fabricate their products.

Issues

- Excessive usage and subsequent high cost of shielding gas required for gas metal arc welding (GMAW)
- Overall labor time required for welding and associated tasks
- Inability to monitor ongoing performance to determine the health of their welding and cutting operations

The Airgas solution

The Airgas Advanced Fabrication Technologies team provided the customer with the Digital Welding Efficiency Analysis (DWEA™) tool which helped the customer not only track and monitor the results of efficiency improvement measures but also continuously identify areas for additional efficiency improvements.

Customer results

- Reduced shielding gas volumes per pound of wire purchased
- Reduced required quantities of welding consumables per pound of wire purchased
- Improved overall labor time required



Get started today

If you would like more information about how DWEA™ can help you monitor the impact of your continuous improvement plan, please contact one of our experts today.



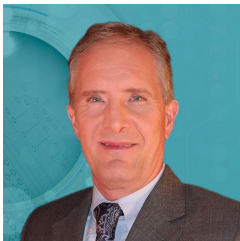
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