

# Metal Fabrication

Compete by improving quality and reducing costs



Gases



Equipment



Expertise



Hardgoods



Safety



Services

# There's a lot riding on your quality.

Benefit from our team of more than 90 Advanced Fabrication Technologies experts who understand your business and the challenges you face every day. Let our experts help you improve the quality of your products and your bottom line.

## We're here to help you:

- Evaluate your process and equipment
- Benchmark your competitiveness, identify and track efficiencies
- Choose the correct equipment, shielding and cutting gases for your application
- Improve the overall safety of your operation
- Select consumables, safety products and PPE
- Develop and implement a continuous improvement plan

We're focused on helping you compete in all areas of metal fabrication. Working with Airgas, an Air Liquide company, gives you access to your local Advanced Fabrication Technologies expert plus a network of applications engineers and specialists across the country trained in specific areas such as bulk gas, specialty gas, safety, supply chain management and more.

“ We understand your unique challenges and can help you find the right solution for each step of your process. ”

## Did you know?

We can help you achieve a cleaner, more sustainable operation. Ask us about cutting, welding, additive manufacturing and heat treatment process solutions we've developed to help you reduce emissions. We also provide energy efficient solutions and lower carbon footprint products. Contact [askClimate@airgas.com](mailto:askClimate@airgas.com) for more information.



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Advanced Fabrication  
Application Centers

90+

Advanced Fabrication  
Experts

2,500+

Customer Case Studies

# Additional tools to help you compete



## Shielding and cutting gases

Simplify arc welding with ARCAL™ premium shielding gases. ARCAL cylinders are equipped with innovative SMARTOP™ or EXELTOP™ cylinder valves. Cover any welding application with a Reference line of five ready-to-weld gases plus a Technical line for custom applications. We offer LaserPLUS™ gases for laser cutting as well as gases for plasma and oxy-fuel cutting. Shielding and cutting gases are available in a variety of supply modes from cylinders to bulk to FLOXAL™ on-site gas generation.



## Hardgoods, consumables and safety products

Get the products you need to stay on schedule, save money and keep your team safe. We carry products from all of the leading manufacturers, including our RADNOR® brand that offers a comprehensive selection of quality welding, MRO and safety products. Get visibility, control and savings that help realize cost efficiencies across your business with our Supply Chain Solutions offer which includes EZ-VEND® Vendor-managed Inventory (VMI) services to help you manage your inventory.



## Equipment for welding and cutting automation

Find an equipment solution to help you improve productivity. Whether it's robotic welding (fixed, flexible and portable) or cutting automation, we work with all the major equipment manufacturers to help you select and install the right equipment matched with the proper gases, consumables and safety products for your operation. Additionally, our Red-D-Arc® team provides options to purchase, lease or rent weld automation equipment. We also retrofit mechanized CNC plasma equipment and oxy-fuel systems.



## Training and testing

Operate your equipment as efficiently as possible. Our experts can provide on-site training to your equipment operators. Additionally, our Advanced Fabrication Center in Delaware is devoted to the joint development of technological solutions in fabrication processes. We also have 9 other Advanced Fabrication labs located throughout the country where we offer training, testing, demos and development for specific customer applications.



## Cutting service and preventive maintenance

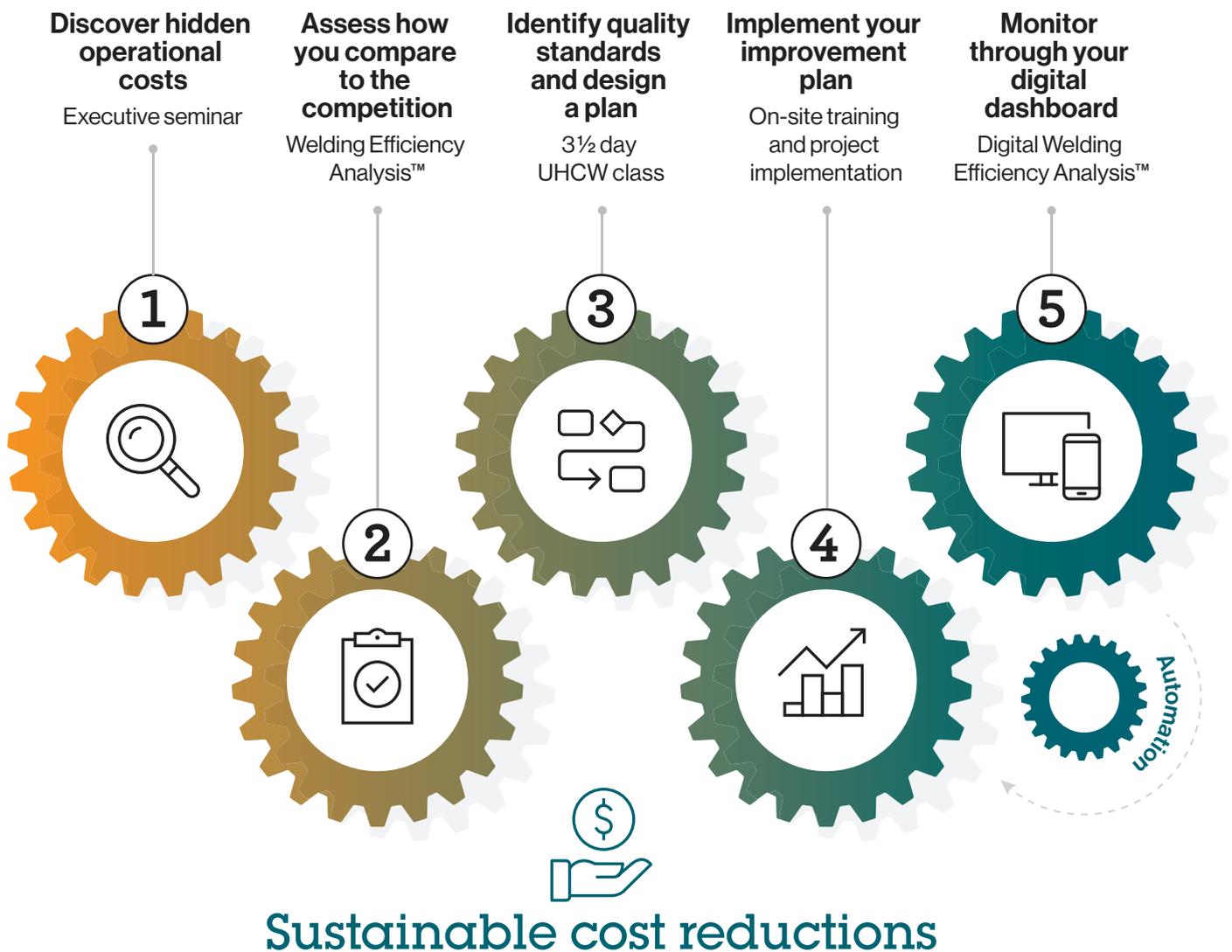
Keep your systems running. Our service offer includes equipment relocation, scheduled maintenance, emergency repairs, equipment calibration and more. All services are performed by OEM-certified technicians who understand your need to keep your cutting equipment operating at peak performance.

# Become more competitive

Reduce waste and increase productivity 20–40% with little or no capital investment

Leverage our years of studying fabrication operations to find out how you compare to industry averages with systematic savings programs like Unlocking the Hidden Cost of Welding™ (UHCW) where we work with you to develop and implement a continuous improvement plan for quality assurance that generates savings for your business.

## Unlocking the Hidden Cost of Welding: a 5-stage program



## Airgas, an Air Liquide company

A leading U.S. supplier of industrial and specialty gases as well as hardgoods and safety products providing innovative solutions to the metal fabrication industry.

We're focused on developing products and services that help you remain competitive. Ask us about new technology for gas supply modes such as SMARTOP™, EXELTOP™ and the Dynamic On-site Mixer (DOM), innovative products like the BotX Welder™ collaborative robotic welding system and digital tools including Digital Welding Efficiency Analysis™ (DWEA) and EZ-GAZ™ that help you monitor your operations. Benefit from the knowledge of our team of 90+ Advanced Fabrication experts as we work with you to evaluate and refine your processes to achieve optimal production.

As an Air Liquide company, a world leader in gases, technology and services for Industry and Health, Airgas offers customers an unrivaled global footprint and industry-leading technology and innovations.