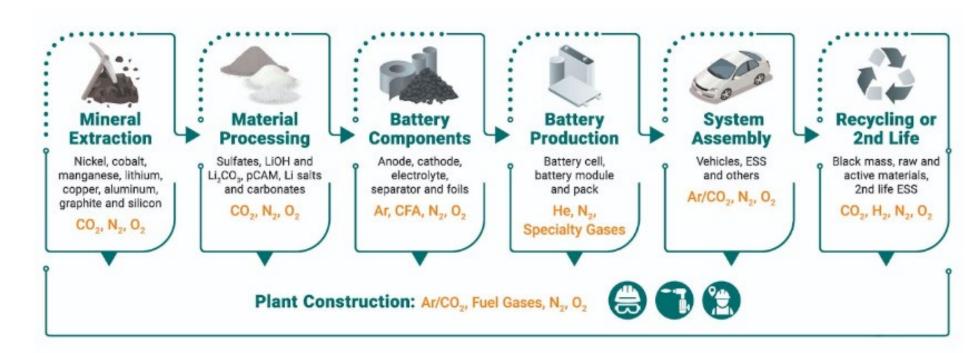


Industrial Gases Across the Battery Ecosystem



<u>Industrial gas</u> use spans the entire battery life cycle, from mineral extraction and processing to component manufacturing, production, assembly and recycling.

Let's take a closer look at how gas continuity supports two key processes in the battery ecosystem:

- 1. Battery plant design & construction
- 2. Battery plant production



Airgas Value Proposition for Plant Construction

PLAN EFFECTIVELY

Airgas Construction Specialists offers cost-efficient project planning from startups to jobsite closures - avoiding delays and inefficiencies.

IMPROVE SAFETY

OSSP- and OSHA 30-certified

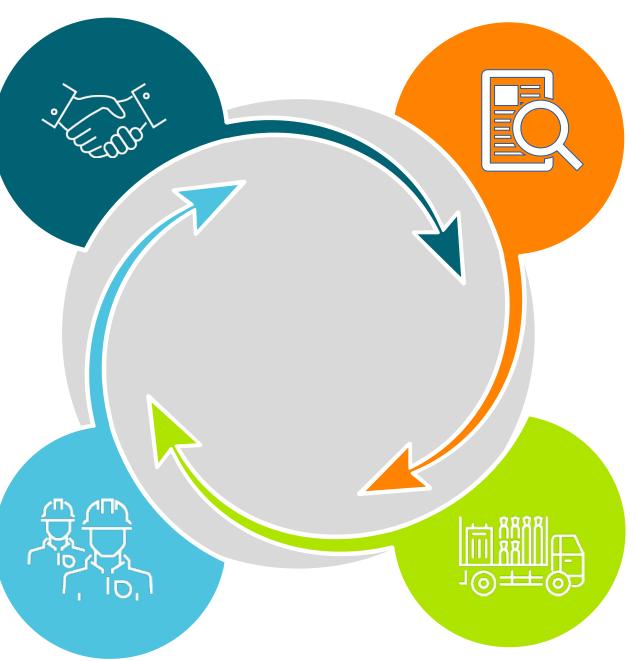
on-site hazard assessments

using **iMSafe**™ tool and also

effective safety products.

Safety Specialists at Airgas offer

recommend best and most cost-



BOOST EFFICIENCIES

TCO approach offers most efficient products and gas supply modes. (i.e: Jobsite Skid, Dynamic Onsite Mixer (DOM), EXELTOP™, plus experts in welding, bulk, safety, gas, etc.)

EASY & RELIABLE SUPPLY

What you need—when and where it's needed. Get reliable and flexible supply chain, multi-channel touchpoints and streamlined order management tools, procurement processes and more. (i.e. Airgas.com, EZ-TRAC™, EZ-VEND™, Jobsite Conex P.A.D.D.™).



Design and Engineering Support

- Early collaboration with GC
 - Plan for Growth
- Stamped engineered drawings
- **Electrical loads**
- Safety



Flow Validation

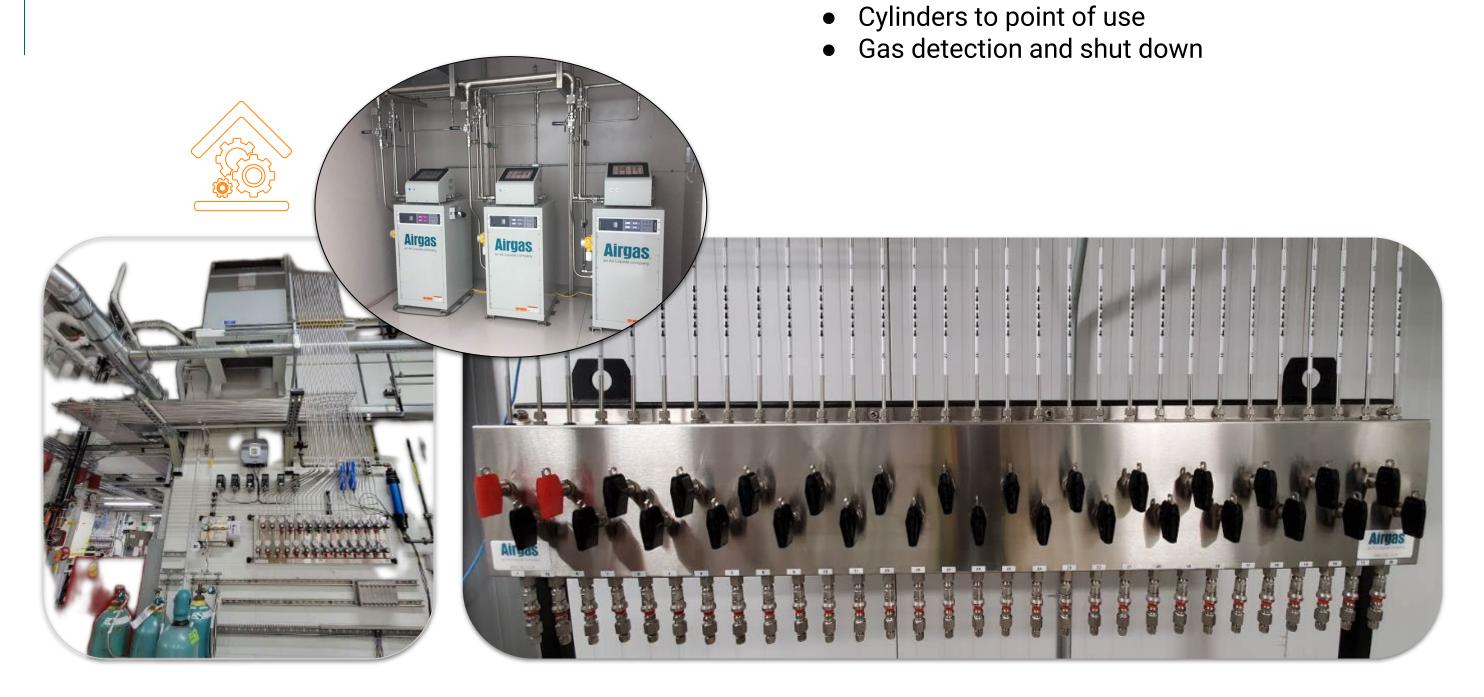
Design Validation Engineering Validation

Project Execution





Turnkey Lab Installation



Orbital welding

Materials of construction



Choosing the Right Gas Supply Mode Optimizes Plant Operations

- Diverse options
- Engineering collaboration
- Design for today and include future growth - the flow may be VERY different and warrant mode change
- So you can focus on your core mission





How Industrial Gas Supports EV Battery Performance Goals



Gas selection

- Understanding your process
- Gas impact on your process
- Improving cyclability and durability performance (Advanced Coatings)
- Commitment to R+D to push boundaries

Gas mixing

- Precise mixing of gases
- Patented flow matching technology
- Equipped with analyzer capability (internal/external)

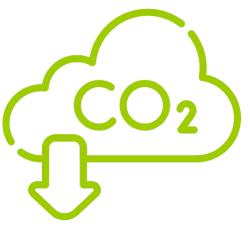


Meet your Sustainability Goals



Airgas is committed to helping our customers as we work to achieve sustainability objectives with solutions aimed at reducing greenhouse gas (GHG) emissions associated with gas use.

- Efficiency
- ECO ORIGIN™ to reduce emissions in your Scope 3
- FLOXAL[™] on-site gas generation



Supporting both Total Cost of Ownership and CO2 optimisation



More Products and Services from Airgas

PPE and other safety products

 40+ QSSP- and OSHA 30-certified Safety Specialists to help assess your operations and select the right PPE and products, to help you keep your team safe

Gas Cabinets

- Flammable, toxic and highly-toxic
- Semi- automatic and fully-automatic
- Focus on code conformance

More supply chain services

- Streamlined order management tools and procurement processes on Airgas.com
- Product tracking and inventory management like EZ-TRAC™ and EZ-VEND™
- Digital cylinder gas pressure monitoring services like EZ-GAZ™
- On-site expertise and gas management with Total Gas Management™





An industrial gases partner



A techno partner for Ar, He, CO₂, N₂, O₂



EV market is both techno and TCO driven



The **AL R&D power** to serve the EV battery ecosystem

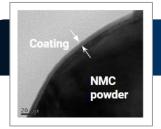




Learn and advance together with our EV customers / partners



Contribute to the EV transition



Advanced Materials



Chemical Equipments

EV collaborations on thin coatings (ALD)

Distribution systems for critical fluids

Expertise inherited from

Semiconductor experience





Contact us today to learn more



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Thank you!



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Fill Your Potential.