

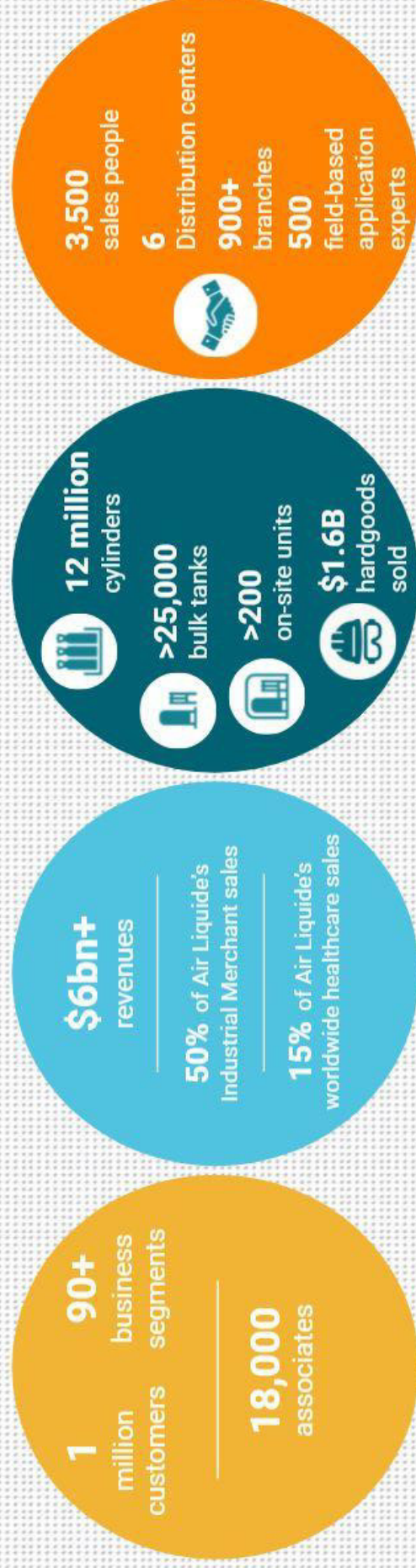


NAATBatt 2023 presentation

Airgas in the Battery Manufacturing Ecosystem

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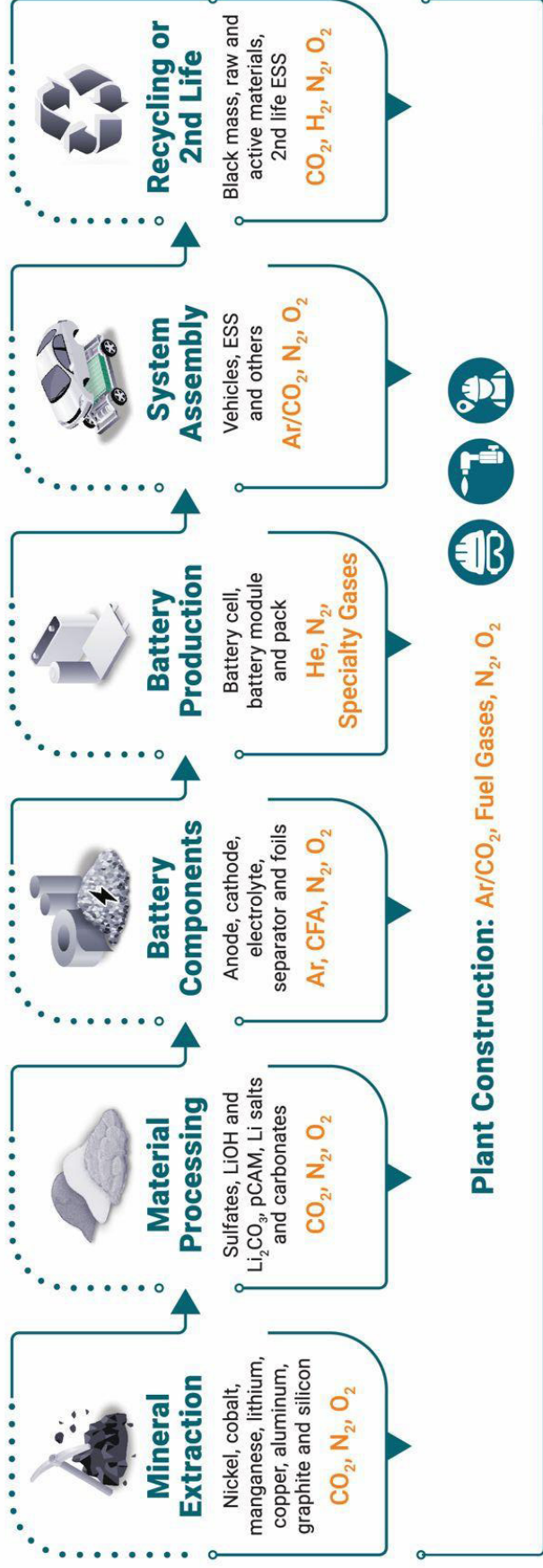
Airgas, an Air Liquide company



- Founded in 1982; built with over 500 acquisitions
- Acquired in 2016 by Air Liquide; adding in global sourcing capabilities and R&D network

Our battery ecosystem | the role of gases and related services

for the safe, efficient and sustainable production of essential battery materials

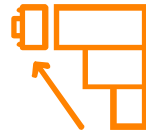


Gas supply commonalities



- Specialized equipment
- Equipment infrastructure
- Sourcing infrastructure
- Permitting
- Lead time

And, gas supply **UN**-commonalities



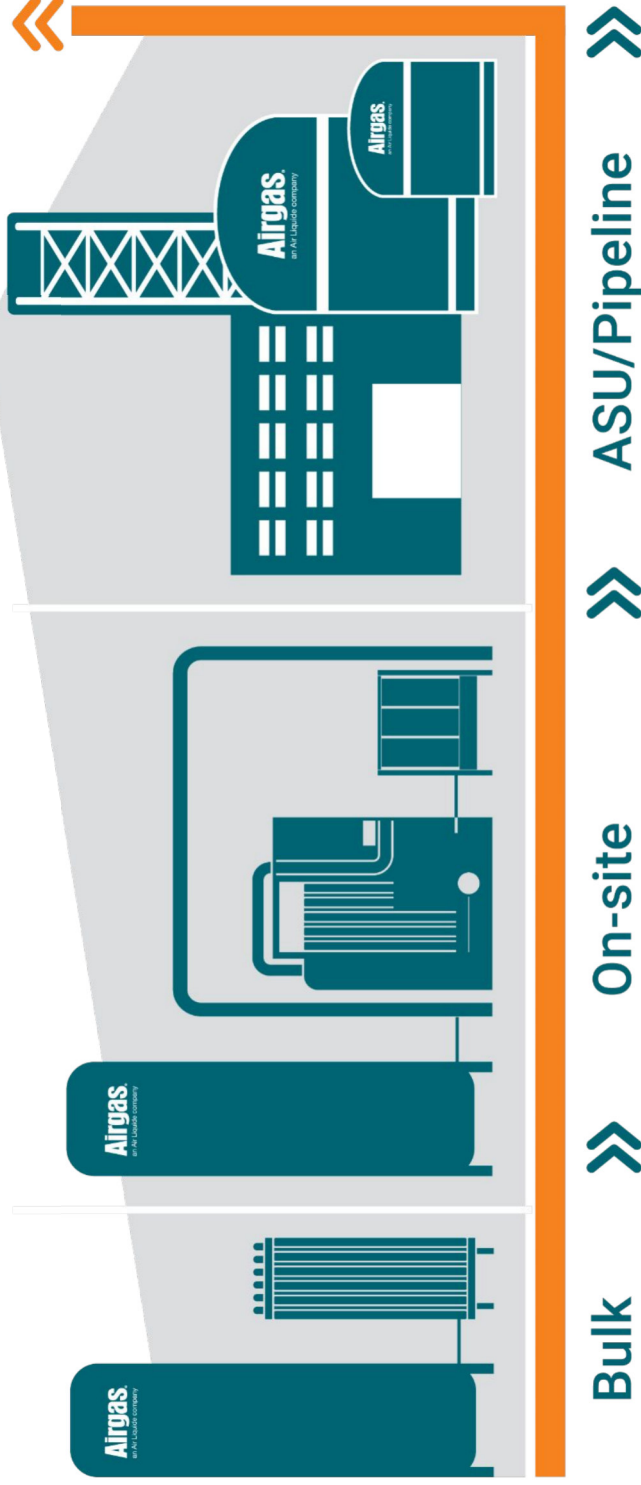
To stay competitive, you need more planning:

- Flow rates
- Pressure requirements
- Use points
- Purity requirements
- Supply mode accessibility
- Piping material
- Ramp-up schedule



Your gas journey starts here

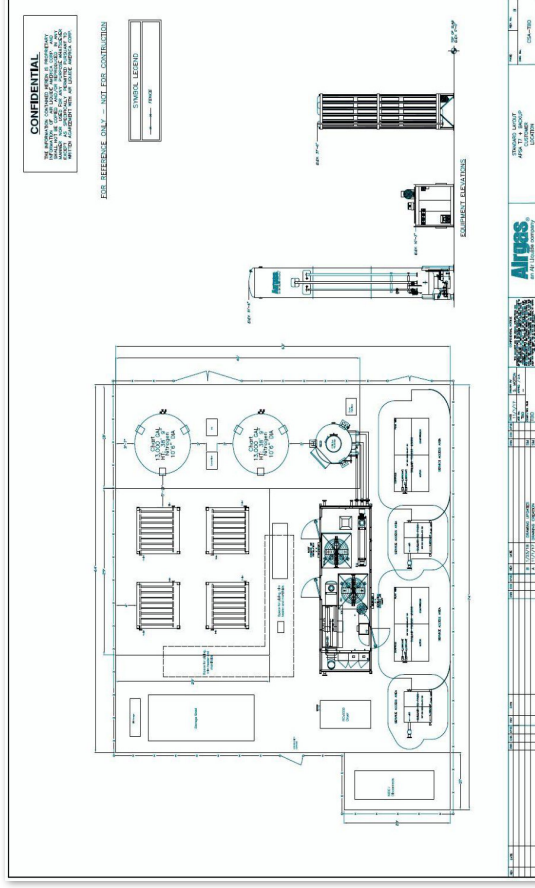
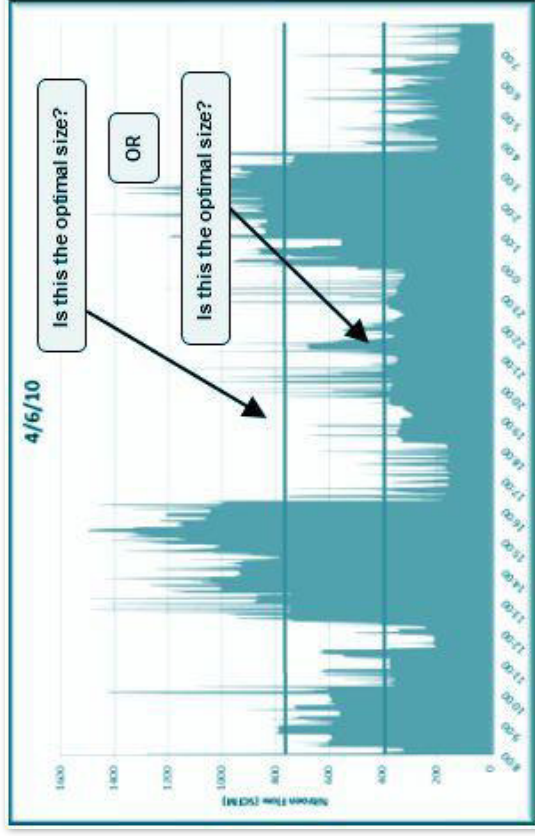
- Start-up supply
- Validation of usage
- Final supply mode “sized right” for your application



We're not your average gas supplier



- Construction Specialists—assets to match project timeline
- Engineering support—flow studies and validation
- Multiple modes of supply—single line to full production



FLOXAL™ on-site gas generation



Safe, efficient and sustainable production of essential battery materials

- N_2 and O_2 are critical to your process
- Gas purity and rate of consumption directly influences battery performance and safety
- Sustainable while reducing your Total Cost of Ownership

Contact us

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