

Airgas site visit Multi-Channel Distribution Network

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Levittown Distribution Center, 21 March 2017



U.S. Industrial Merchant Market - Airgas



- U.S., the largest gas market worldwide
- Very fragmented packaged gas market; ~50% independent distributors
- Broad territory; proximity with the enduser is key (>900 retail branches across the U.S.)



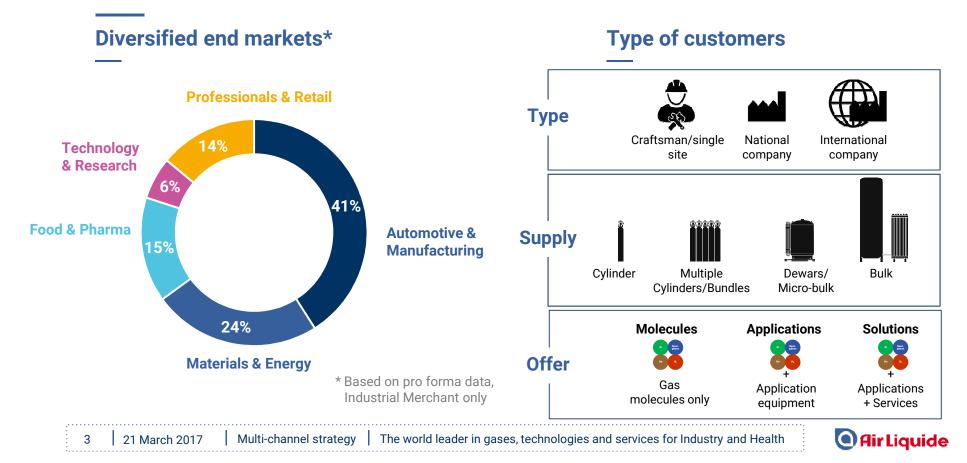
- U.S. packaged gas leader with
 ~25% market share
- Complete offering including Hardgoods (Safety, consumables, welding equipments) and Services
- National platform supporting multiple sales channels
- Continued bolt-on acquisitions







IM Customers: Who Are They?



IM Customers: Automotive & Fabrication







- Automotive & Cycles
- Transportation Heavy truck & trailer Rail **Shipyards**
- Machinery & Metal fabrication Oil, gas & mining equipment Agriculture equipment Construction equipment
- Construction Hydrocarbon, power, infrastructure





Trend (2017)



Arc welding





Flame cutting



Arc welding







Flame cutting









Arc welding



IM Customers: Material & Energy





- Extraction & Mining Oil & Gas extraction **Gold extraction**
- · Refineries/Petrochemicals, **Basic/Specialty Chemicals**
- Steel mills
- Pulp & Paper
- Glass

Flat glass Technical & container glass

Utilities & Waste management





Trend (2017)





Enhanced Oil Recovery Gold recovery yield













Waste water treatment







Chemical pulp bleaching









Glass melting



Biological treatment



IM Customers: Food & Pharmaceuticals







Products

Use

Trend (2017)



 Ready meals, packaged foods



Cryogenics/ Stunning

Modified

Packaging



Atmosphere



Beverages



Packaging/dispense



Carbonation/dispense

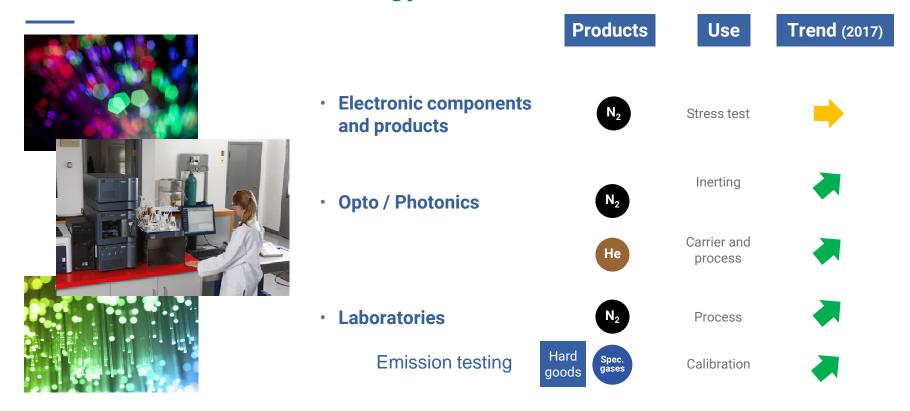


Drugs

Inerting



IM Customers: Technology & Research



IM Customers: Professionals & Retail



Plumbing,

heating systems

Air-conditioning

Leisure

Garage

Products



Trend (2017)





Welding







Leaks test





Balloons







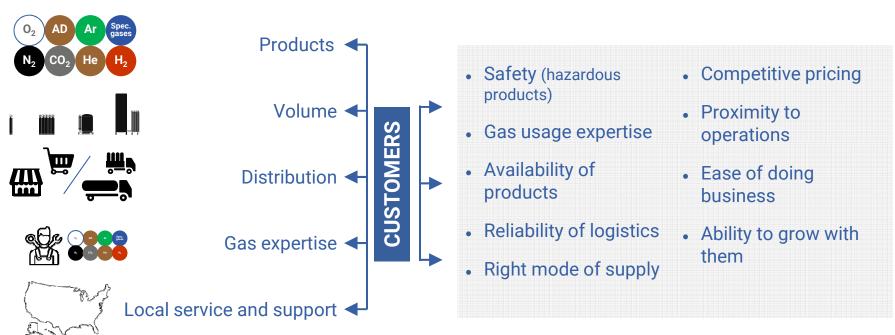
Welding



IM Customers: What do they Want?

Operations

Supplier Choice Criteria

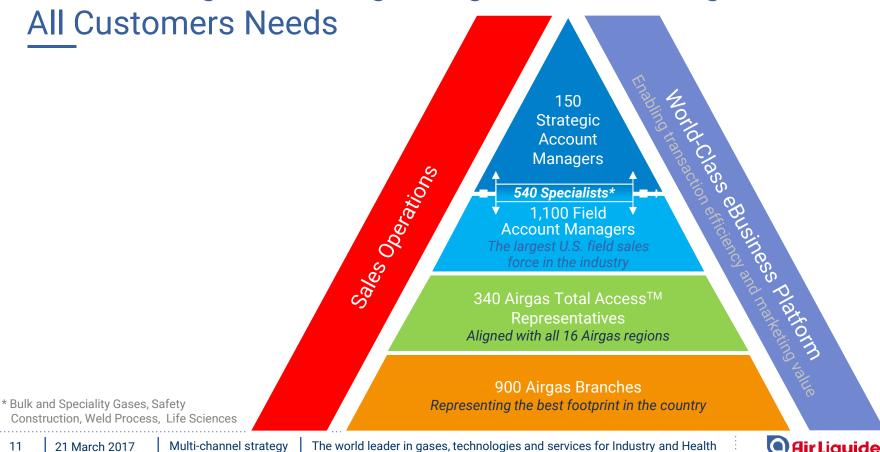


Sales Management: Multi-Channel Sales & Expertise





Sales Management: Airgas Organization Fitting



The world leader in gases, technologies and services for Industry and Health



Distribution: Multiple Solutions Proposed



- Collect gas cylinders and hardgoods
- From >900 branches all over the country



- Gas delivery to customer sites
 - Cylinders: from branches/filling stations
 - Bulk: from plants
- Hardgoods distribution centers
 - Next-day service → 60% of the U.S. population
 - Within 2 days using third-party carrier → 95% reached

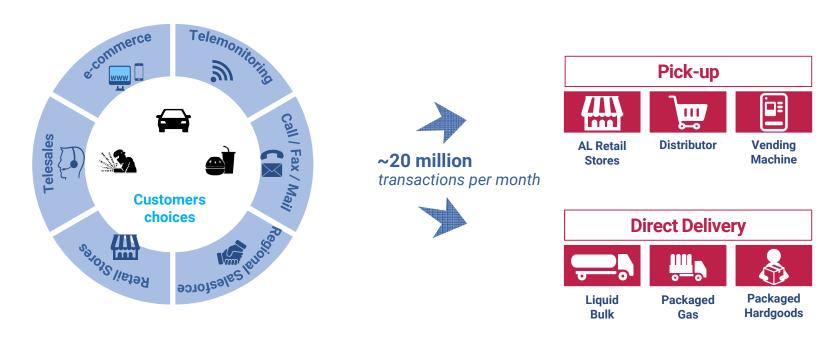


- Total Gas Management with Airgas representative stationed at customer site
- Services on weld process/efficiency
- **On-site** generators
- Vending machines for hardgoods



Solid Back-Office: Supporting Multi-Choice Offer

Local solutions all over the country



> Strong ERP and solid processes supporting daily management of complexity



Leveraging on a Strong Business Model to Create Value



- **Diversity** of customers end-markets
- High number of customers
 1 million+



- Gas sales + Rental fees
- Focus on customer retention
- Bulk & on-site: 3 to 15 year **contracts**



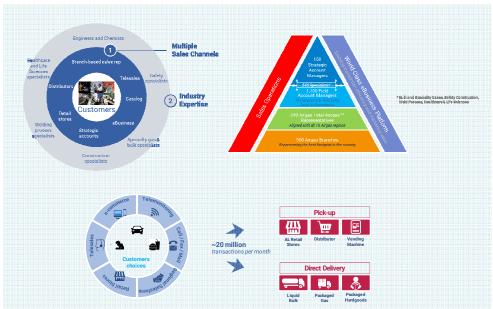
- Circulating assets: cylinders back to filling station
- Optimal number of cylinders and tanks by type and size
- KPIs: cylinder turnover, frequency of bulk delivery



- Density
- Optimum area of delivery: <50 miles for cylinders and <250 miles for bulk
- Truck loading
- Digital routing
- KPI: miles per delivered cylinder

Conclusion: Customer-Centric Organization





- Multi-channel sales & expertise
- Organization fitting all customers needs
- Multiple solutions for product collection
- Supported by solid back-office

