

Chart's Acquisition of L.A. Turbine

July 1, 2021



Rethinking Turboexpanders



Cooler By Design.®

Forward-Looking Statements

Certain statements made in this presentation are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements include statements concerning the Company's business plans, including statements regarding completed divestitures, acquisitions and minority investments, cost synergies and efficiency savings, objectives, future orders, revenues, margins, earnings or performance, liquidity and cash flow, capital expenditures, business trends, clean energy market opportunities, governmental initiatives, including executive orders and other information that is not historical in nature. Forward-looking statements may be identified by terminology such as "may," "will," "should," "could," "expects," "anticipates," "believes," "projects," "forecasts," "outlook," "guidance," "continue," "target," or the negative of such terms or comparable terminology.

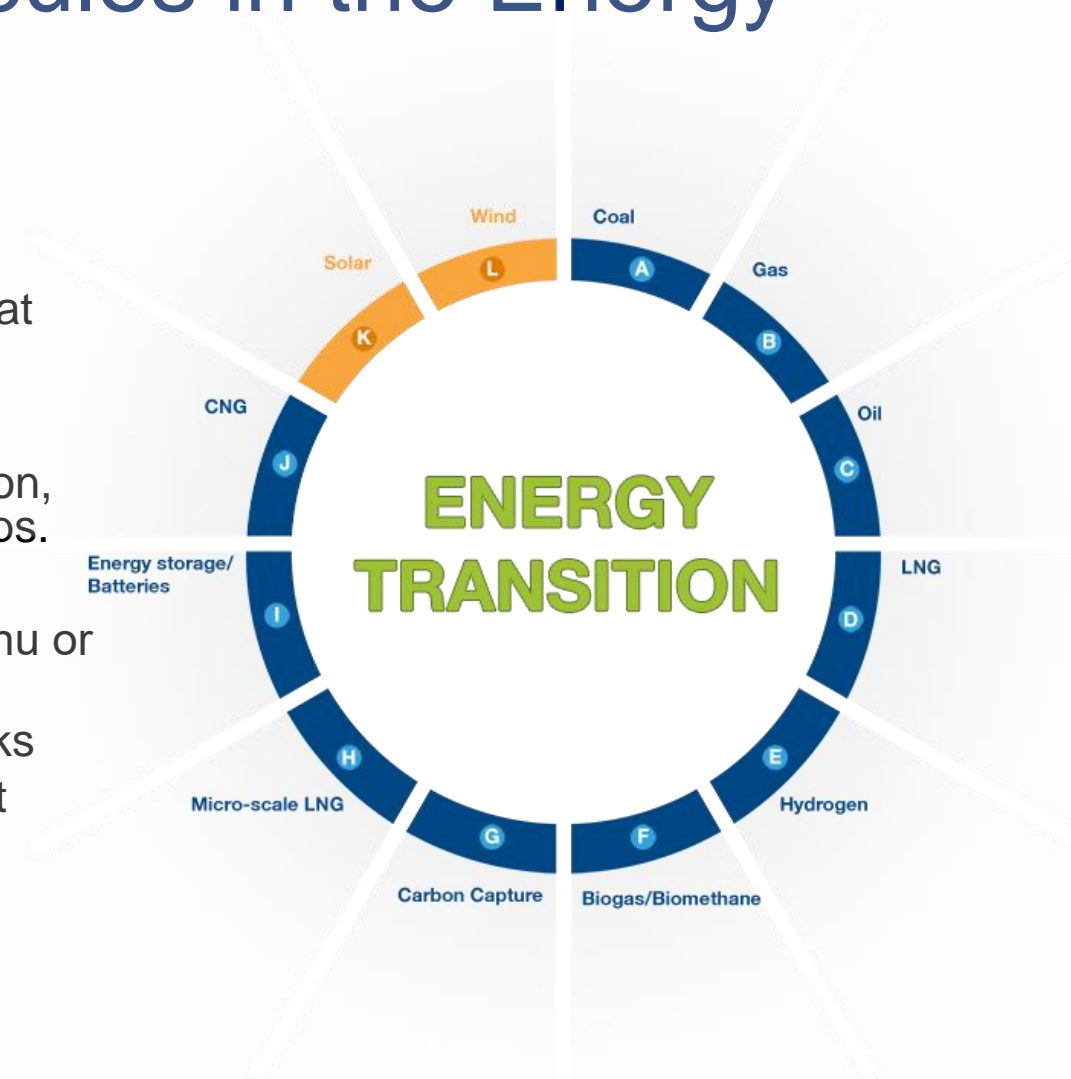
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Chart Industries, Inc. is a leading independent global manufacturer of highly engineered equipment servicing multiple applications in the Energy and Industrial Gas markets. Our unique product portfolio is used in every phase of the liquid gas supply chain, including upfront engineering, service and repair. Being at the forefront of the clean energy transition, Chart is a leading provider of technology, equipment and services related to liquefied natural gas, hydrogen, biogas and CO₂ Capture amongst other applications. We are committed to excellence in environmental, social and corporate governance (ESG) issues both for our company as well as our customers. With over 25 global locations from the United States to Asia, Australia, India, Europe and South America, we maintain accountability and transparency to our team members, suppliers, customers and communities. To learn more, visit www.chartindustries.com.

Leveraging the Hybrid of Molecules in the Energy Transition

Our Inorganic Investment Principles:

- (1) Brings Chart access to customers and commercial projects that could not be accessed without significant organic investment
- (2) Brings Chart access to geographies that otherwise could not readily be accessed due to lack of product experience in the region, certification requirements, or government funding and relationships.
- (3) Adds equipment or process that builds out the “a la carte” menu or full solution menu for applicable markets... for example:
 - BlueInGreen water treatment technology + Chart bulk tanks
 - CryoTechnologies H2 and He liquefaction process + Chart storage, transport, and BAHX + **LAT Expanders**
 - Chart IPSMR® + Chart ACHX/BAHX/cold boxes + **LAT Expanders**
 - SES cryogenic carbon and direct air capture technology + Chart ACHX, BAHX, storage tanks + **LAT Expanders**

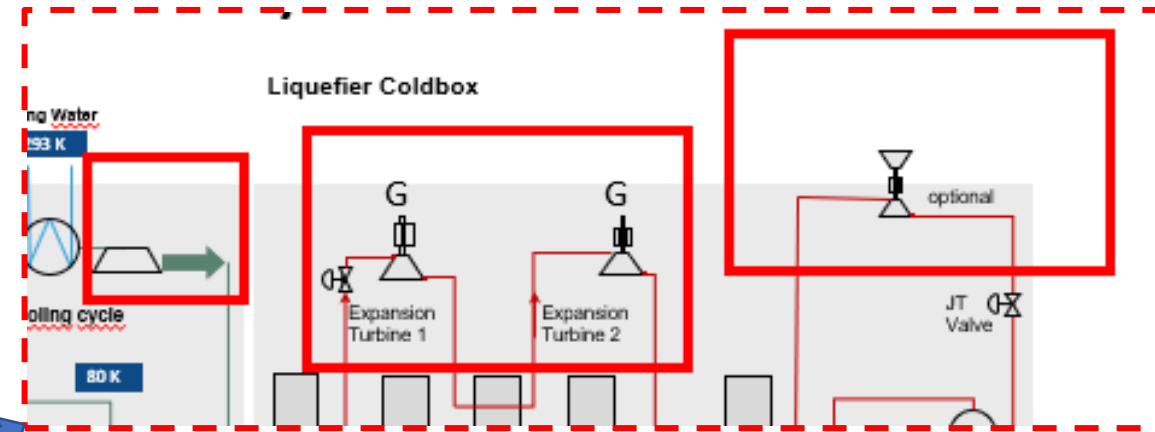


“This Small-Cap Stock Can Pivot Between Old and New Energy”

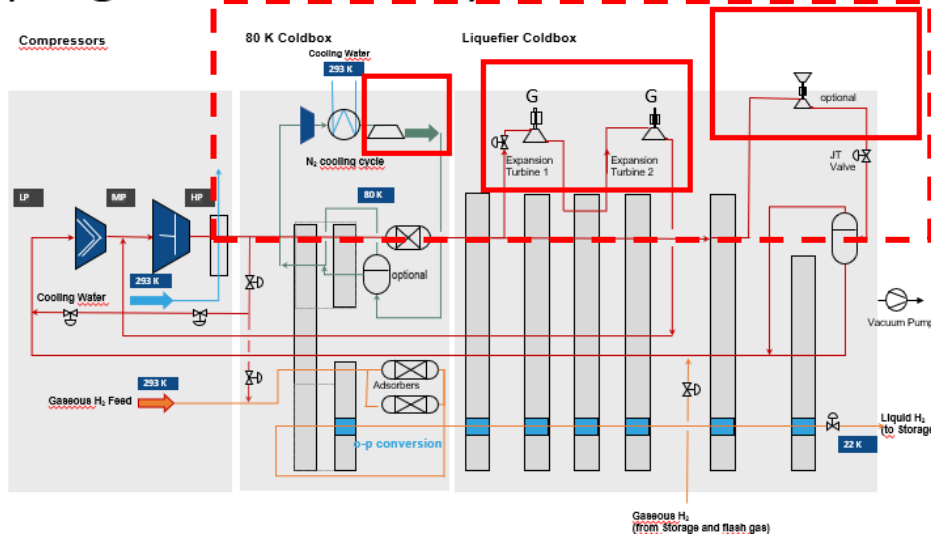
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Why Is a Turboexpander Critical to Our Offering?

- Turboexpanders are an essential and key component to Chart's process refrigeration cycles for a variety of types of energy applications – the perfect complement to Chart's BAHX and Coldbox offerings
- Turboexpanders provide the pressure let-down and temperature drop to achieve the desired cryogenic cooling while using extracted work to power plant compression or generators



Hydrogen Refrigeration Cycle






10 ton/day Liq. H2 Cold Box Loaded for Shipment

Market Dynamics and Why L.A. Turbine?

Very Specialized Turboexpanders Are Difficult to Design & Produce...







1. Very high efficiency (LAT expanders have proven this in the field)
2. Oil free machines (LAT has this offering)
3. Foil bearings for plants 10 TPD and smaller (LAT has foil bearing design experience)
4. Magnetic bearings for large plants (LAT has excellent experience with magnetic bearings)

...And There are Very Few Available in the Open Market

August 2018 Air Products acquired Rotoflow	2019 Linde acquired Sulzer	January 2021 Air Liquide acquired ACD
		

Others not listed here do not have or have limited helium and hydrogen experience and cannot do bullets #1-4 above

L.A. Turbine Expands Chart's Offering in Nearly All Markets

Market / Application	Chart Owned Process Technology	Chart Equipment Used in This Application	L.A. Turbine Adds To Chart Offering?
LNG	IPSMR® and IPSMR®+ And Heavy Hydrocarbon Removal	• Cold box, BAHX, ACHX, Cryogenic storage tanks, vaporizers, LNG trailers, trailer loading stations, vehicle fueling stations, vacuum insulated pipe, on-board fuel tanks	✓
Oil & Gas mid + upstream	 Chart's NRU Process	• BAHX, ACHX	✓
Hydrogen Liquefaction	 And Chart's Hydrogen Process	• Cold box, BAHX, ACHX, Cryogenic storage tanks, vaporizers, H2 trailers, trailer loading stations, vacuum insulated pipe, vehicle fueling stations, on-board fuel tanks	✓
Helium Liquefaction		• Cold box, BAHX, ACHX, Cryogenic storage tanks, vaporizers, Cryogenic trailers, loading stations, vacuum insulated pipe	✓
CCUS with Energy Storage		• Cold box, BAHX, ACHX, CO2 storage tanks, CO2 trailers	✓
Petrochemical – Ethylene/PDH	 Chart PDH Process and Hydrogen Recovery Process	• Cold box, BAHX, ACHX, Cryogenic storage tanks, Vacuum Insulated Pipe, Core-in-Kettle®	✓
Air Separation / Industrial Gas	 O2 and N2 liquefaction	• Cold box, BAHX, Cryogenic storage tanks, vaporizers, Vacuum insulated pipe, trailer loading stations	✓

More About L.A. Turbine & Economics

- 52 team members led by Danny Mascari (10 years as President of LAT)
- Strong engineering talent complements Chart global engineering team
- Through LAT relationships, direct access to graduates from prominent California engineering and technology universities
- Headquartered with 90,000 square feet of manufacturing space in Valencia, CA



Danny Mascari
President

Immediate Synergies

- Additional flex manufacturing capacity
- In-house capability of specialized aspect of supply chain
- Leveraging engineering talent to other high demand work
- Significant addition of rotating equipment capabilities; perfect complement to Chart's BAHX and Coldbox offerings
- Nearly everything involved in energy transition/lower carbon intensity (CCUS, Hydrogen liquefaction, energy efficiency, geothermal) involves either or both energy conversion in the form of heat transfer and/or turbo machinery (pumps, compressors, turbines, expanders)
- Builds on Chart's Cryo Technologies acquisition
- Will work together with Chart's new, organically developed liquid hydrogen pump, hydrogen test facility, and other H2 products in our portfolio

Impact to Guidance

- Immediately accretive to Chart
- 2021 Guidance will be updated for L.A. Turbine acquisition at the Q2 2021 Chart earnings release (July 22, 2021)
- 2022 L.A. Turbine is expected to add \$40 million to \$50 million of revenues and \$0.20 to \$0.30 of adjusted non-diluted EPS inclusive of synergies on ~35.5M weighted shares outstanding and an assumed tax rate of 18%

Our Specialty Markets Keep Growing

Water Treatment

700M

- Improving water quality and wastewater reuse utilize liquid oxygen and CO2 in purification process

Drivers of Size Opportunity

- Regulation on water treatment
- Population growth

500M

Food & Beverage

- Food preservation equipment
- Nitrogen dosing equipment

Drivers of Size Opportunity

- Nitro-beverage changeover

850M

+\$50M

Carbon & Direct Air Capture

- Air cooled heat exchangers
- Storage tanks
- BAHX and cold boxes

Drivers of Size Opportunity

- Carbon emissions reduction targets
- CO2 supply shortage

250M

Cannabis

- Liquid CO2 storage and supply / delivery systems
- Used in grow houses, CBD oil extraction and packaging

Drivers of Size Opportunity

- Legalization of cannabis
- Regulatory approval for CBD.

Over The Road Trucking

750M

- LNG as alternative fuel to diesel for heavy duty vehicles (lower emissions, engine noise, etc.)

Drivers of Size Opportunity

- Regulations

300M

+\$50M

Helium Liquefaction

- Helium Liquefaction
- Storage
- ISO Containers
- Transport

Drivers of Size Opportunity

- Differentiated process
- Helium consistently in high demand
- Russia vast natural resources

200M

Molecules By Rail

- Gas by rail tender cars approved for use

Drivers of Size Opportunity

- Legalization of LNG by train in the U.S.
- Expected growth in EU

200M

Industrial Lasers

- High purity liquid nitrogen (gas assist) provides a faster cut and superior edge, free of impurities

Drivers of Size Opportunity

- Uptime requirements in manufacturing
- Reducing steps in production

200M

Space

- Cryogenic liquid propellants are used as fuel for rocket propulsion

Drivers of Size Opportunity

- Proliferation of private space travel industry

Hydrogen

2,650M

+\$250M

- H2 vehicle fueling stations, transport equipment and liquefaction storage at H2 production sites
- H2 storage and mobility equipment
- BAHX for H2 liquefaction
- H2 liquefaction
- CcH2 equipment

Drivers of Size Opportunity

- Buildout of hydrogen fueling infrastructure
- Development of "green hydrogen" industry
- Government stimulus packages
- Brand name fast followers

Chart's Strategic Acquisitions and Investments

2018 / 2019



2018:
Completes BAHX capacity expansion in La Crosse, WI



Skaff Cryogenics, Inc.

2018:
Acquires Skaff Cryogenics



2018:
Acquires VRV



2018:
Divestiture of oxygen concentrator business



2019:
Acquisition of Air-X-Changers

2020



Divestiture of cryobio product line to Cryoport for \$320M cash



Development Agreement for LH2 automotive



Completed master supply agreement



30M Euro investment with commercial MOU



Acquisition of cryogenic and H2 trailer business and former microbulk business



Acquisition of water treatment business



Investment in Canadian H2 integrator



Acquisition of SES, carbon capture technology

2021



\$15M Investment and commercial MOU Completed Feb 2, 2021



Joint development MOU February 10, 2021



Acquisition of Cryo Technologies for \$55 million cash (Feb 16, 2021)



Investment of \$25 million for 5% ownership and commercial MOU (March 31, 2021)



Intend to be Cornerstone, early investor in forthcoming Five T Hydrogen Fund (50 million Euro investment over coming years)



Commercial and development MOU (no investment) for control systems and instrumentation in our modular solutions



Minority investment of 6.5M euros and commercial agreement



Minority investment of \$5 million for 15% ownership and commercial MOU



Acquisition of L.A. Turbine for \$80 million cash (July 1, 2021)