

Chart's Expanded Carbon Capture Offering

February 2, 2021



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 acquisitions, cost synergies and efficiency savings, objectives, future orders, revenues, margins, earnings or performance, liquidity and cash flow, capital expenditures, business trends, 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.

Forward-looking statements contained in this presentation or in other statements made by the Company are made based on management's expectations and beliefs concerning future events impacting the Company and are subject to uncertainties and factors relating to the Company's operations and business environment, all of which are difficult to predict and many of which are beyond the Company's control, that could cause the Company's actual results to differ materially from those matters expressed or implied by forward-looking statements. Factors that could cause the Company's actual results to differ materially from those described in the forward-looking statements include: the Company's ability to successfully integrate recent acquisitions and achieve the anticipated revenue, earnings, accretion and other benefits from these acquisitions; risks relating to the recent outbreak and continued uncertainty associated with the coronavirus (COVID-19) and the other factors discussed in Item 1A (Risk Factors) in the Company's most recent Annual Report on Form 10-K filed with the SEC and Quarterly Reports on Form 10-Q, which should be reviewed carefully. The Company undertakes no obligation to update or revise any forward-looking statement.

Chart's Strategic Investment / Partnering Approach

Brings access to:

- (1) customers and commercial projects that could not be accessed without significant organic investment
- (2) geographies that otherwise could not readily be accessed due to lack of product experience in the region, certification requirements, or government funding and relationships.

2018 / 2019



2018:
Completes BAHX capacity expansion in La Crosse, WI



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



FIRSTELEMENT FUEL

Development Agreement for LH2 automotive



Completed master supply agreement



30M Euro investment with commercial MOU



Acquisition of cryogenic and H2 trailer business



Acquisition of water treatment business



Investment in Canadian H2 integrator



Acquisition of SES, carbon capture technology

2021

Svante

\$15M Investment and commercial MOU in carbon capture integration and technology

CHART PRODUCTS For the Clean Nexus of Power, Water, Food & Industrials


Natural Gas



Products


- BAHX
- Cryogenic Storage
- Vaporizers
- Std. Plant Solutions
- Modular Plant Solutions
- IPSMR® Technology
- LNG Fueling Stations
- LNG Dispensers
- Onboard Fueling Tanks
- Ship Fueling
- Rail Fueling
- Storage & Regas
- Transport Trailers
- ISO Containers

Carbon Capture Utilization & Storage



Products

- ACHX
- Cryogenic Storage
- BAHX
- Cold Boxes



Svante

Hydrogen Gas Storage



Products

- Cryogenic Storage
- Heavy & Light Duty Fueling Stations


Wind Power



Solar Power



Water Electrolysis



Products

McPhy Driving clean energy forward

Water Treatment



BluelnGreen
solutions for water quality

Products


Natural Gas Reforming



Products

- ACHX

Hydrogen Liquefaction



Products

- Liquefier
- BAHX
- Cryogenic Storage
- ACHX
- Cold Boxes

HTEC
Hydrogen Technology & Energy Corporation

FIRST ELEMENT FUEL

Hydrogen Distribution



Products

- ISO Containers
- Transport Trailers
- Ships & Railcars
- Bunkering, Loading & Regas
- Fueling Stations

Hydro Power



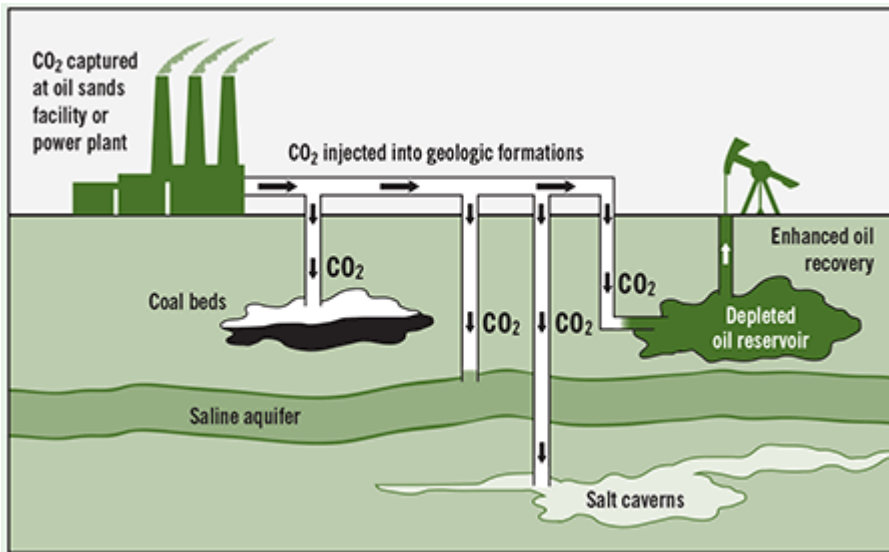
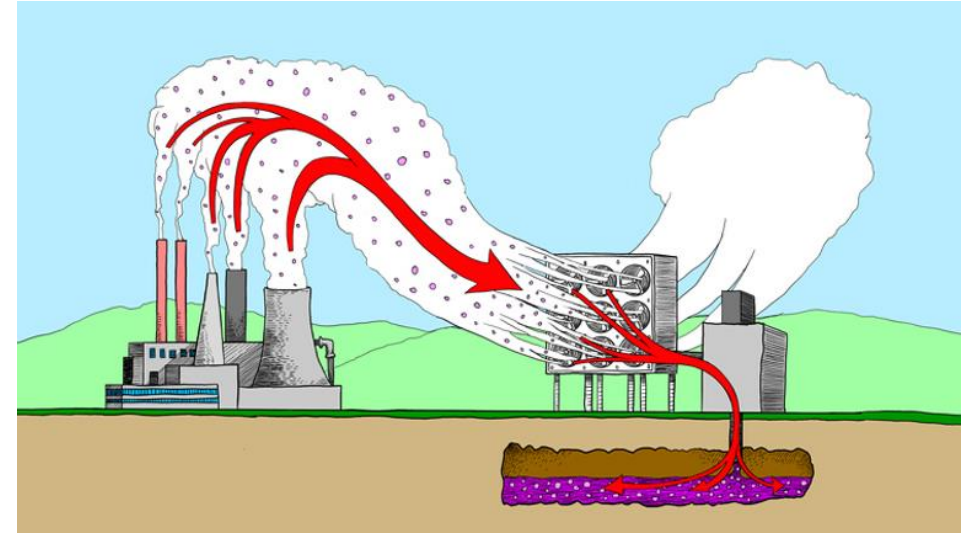
Products

- SDOX®
- StreamLineO2
- CDOX®
- StreamLineCO2
- HyDOZ®
- StreamLineO3
- SDOX-CS®
- Services

Carbon Capture Process

HOW IS IT CAPTURED?

Capture technologies allow the separation of carbon dioxide from gases produced in electricity generation and industrial processes by one of three methods: pre-combustion capture, post-combustion capture and oxyfuel combustion. The captured CO₂ is liquefied and pumped to pressure prior to entering the pipeline.



• WHERE DOES IT GO?

- Captured CO₂ is injected into a storage pipeline to send the CO₂ to underground storage reserves. These are typically depleted oil reserves, coal beds, saline aquifers and salt caverns.
- CO₂ is also used in Enhanced Oil Recovery (EOR) as well as fuel manufacturing.
- If the CO₂ is high enough quality, it can also be used in the merchant market for food and beverage purposes.

Types of CO2 Applications We Supply

Food & Beverage

- CarboMax tanks for microbrewing and onsite brew pubs
- Food freezing
- Convenience stores and national restaurant chains doing national upgrades



Concrete Curing

- PM 6000 HP tanks are perfect for the application
- Multiple channels
- Reduces curing time and cost for concrete pouring



Vaccine Storage

- Storage equipment at the front end of supply chain
- Work with dry ice
- Utilized in the dry ice mfg equipment, removing us from the chain of liability



Cannabis

- Election resulted in additional states legalizing marijuana
- COVID driving growth
- CarboMax 750 works well for CO2 enhanced atmospheric growing



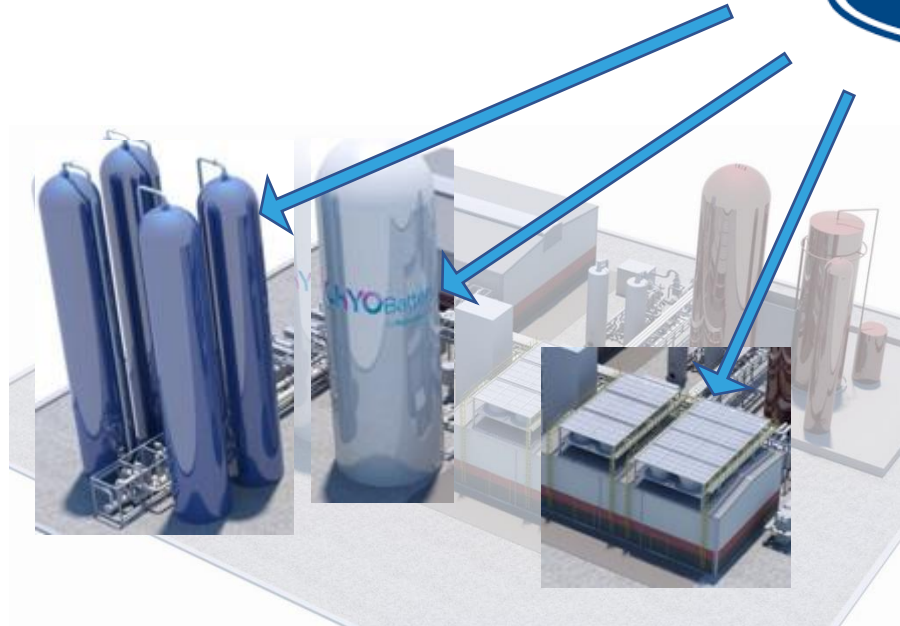
Others

- pH control for swimming pools, fitness centers, etc.
- Die cooling
- Dry ice pellets for fire fighting



Chart's Carbon and Direct Air Capture Capabilities

LIQUID AIR STORAGE



DIRECT AIR CAPTURE

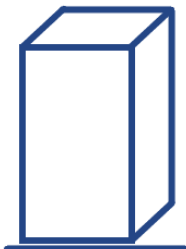


Post Combustion CO2 Capture

- Cryogenic process that delivers high purity liquid CO2 ready for transport and use
- Amine process using adsorption to deliver gaseous CO2

Direct Air Capture

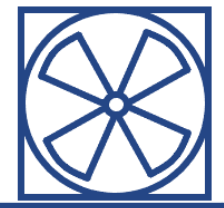
- Removal of CO2 directly from the atmosphere
- Uses air cooled heat exchangers as contactor surface to capture CO2 from air stream
- Air coolers are the most significant part of these projects



COLDBOX



BAHX



AIR COOLERS



STORAGE TANKS

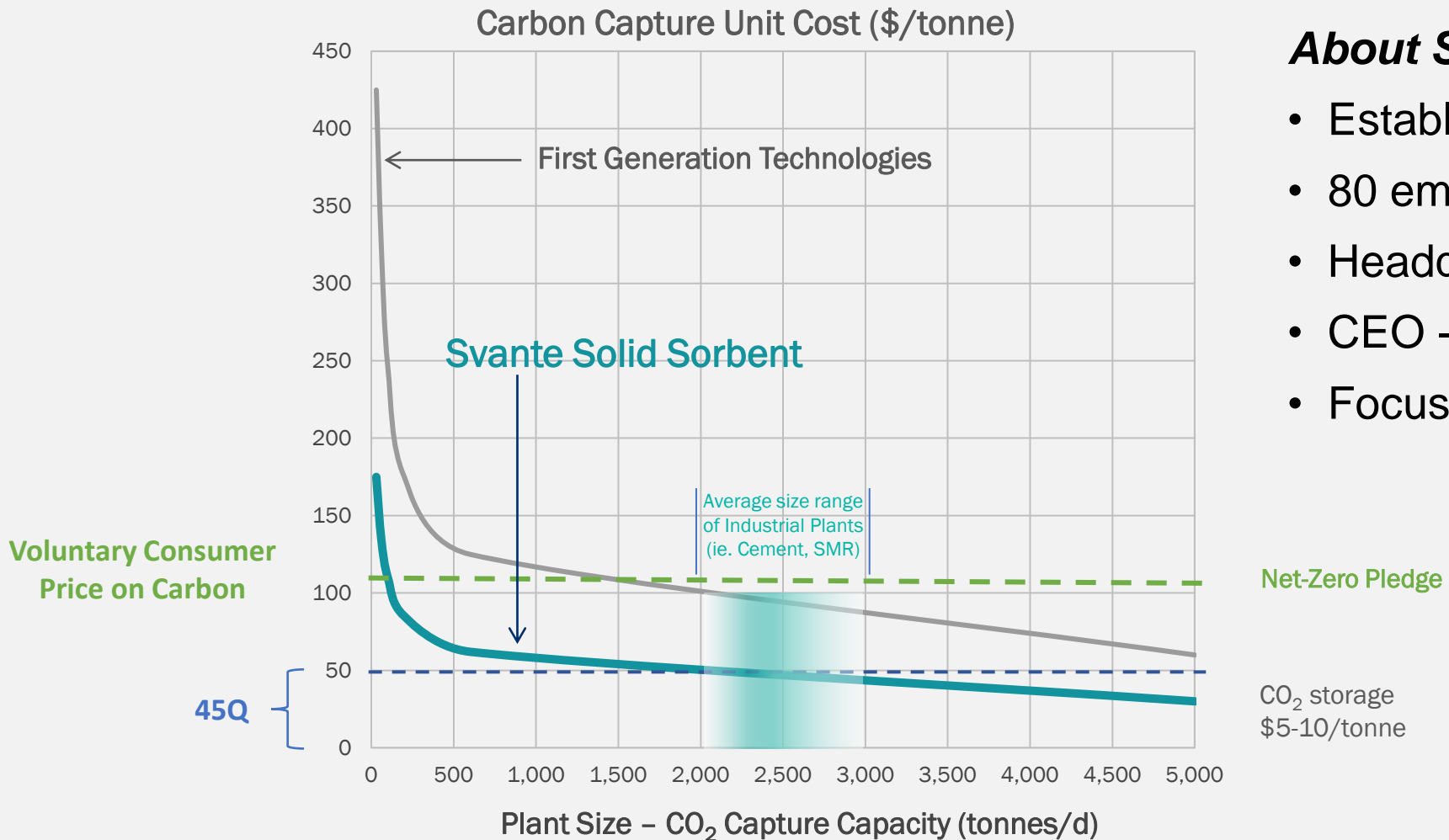


TRANSPORT CARRIERS



DOSERS, PIPE

Svante Capture Economics



About Svante:

- Established in 2007
- 80 employees
- Headquartered in Vancouver, Canada
- CEO - Claude Letourneau
- Focus on building a CO₂ marketplace

Svante Has Low Capex Cost...

- Svante's solid sorbent technology is industrial scale, low CAPEX and available today
- Replacing large chemical solvent towers with a single piece of compact equipment, a 50% reduction in capital costs is achieved compared to first generation approaches



...Chart and SES Have High Purity and Small Equipment Footprint...



AIR COOLERS

Chart's small footprint for air cooled heat exchangers

Opportunity to integrate Svante technology with SES CCC process in order to produce a pressured, high-purity CO₂ product stream at low cost.

Significant Intellectual Property in Chart, SES and Investment in Svante Creates Further Differentiation



- 82% of Chart's products & solutions have intellectual property associated with them



- 44 SES U.S. issued patents
- 17 SES U.S. patents pending
- Additional 20 patents issued internationally



- Building a CO₂ Marketplace
- Proprietary Equipment & Manufacturing
- > 130 patents worldwide

Chart equipment can be used in both Svante and SES carbon capture applications:

- SMR systems
- BAHX
- Cold Boxes
- Cryogenic tanks
- VIP
- Instrumentation
- Controls

Svante Focuses on Three Areas for Industrialization



Natural Gas

- 13 projects with start ups by 2025
- 6 individual customers



SMR Blue Hydrogen

- 5 projects with start ups by 2025
- 5 individual customers



Cement & Lime

- 9 projects with start ups by 2025
- 5 individual customers

Expanded CCUS Project Opportunity Set... Now!

- 30 Ton Per Day Canadian Plant at Husky Energy Operating since 2019
- Pipeline of 27 Potential Commercial Projects
- Three projects targeted to be completed by 2024

A compact solution integrated into an industrial environment



Demonstration Plant – Industrial natural gas boiler



- Canada 30 ton per day (optimization)
- California 25 ton per day (commission 2022)
- Colorado 5,000 TPD (shovel ready end-2023)

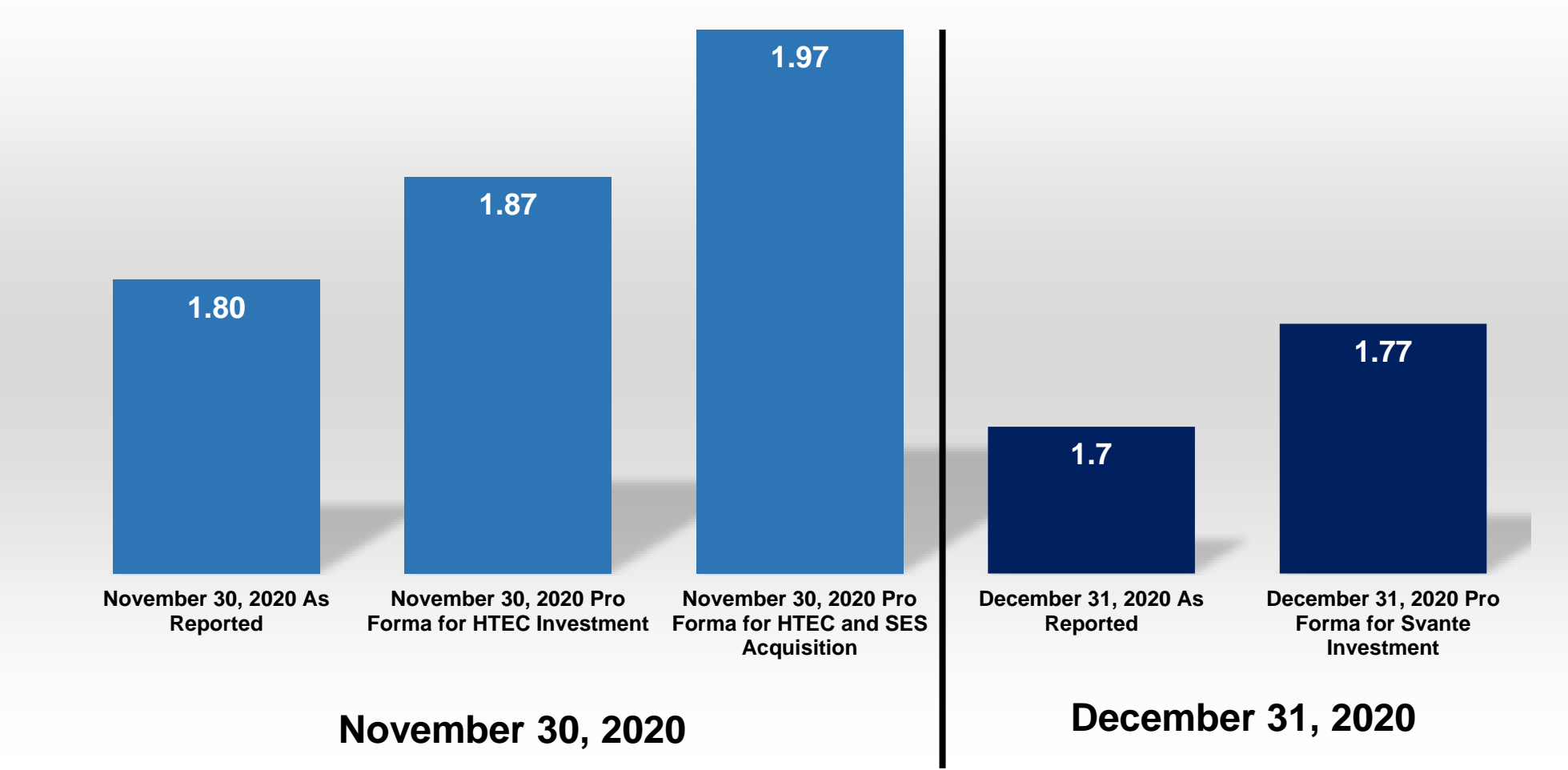
Commercial MOU Between Chart and Svante

- Svante Value Added Reseller Relationship with Chart
- Svante Preferred O&M Supplier Program
- Joint Development Agreement with Svante, SES and Chart to develop integrated solution to make high purity CO₂ product (99%+)
- Collaboration for Demonstration Projects

Chart's Strong Earnings and Cash Generation Continues



Net Leverage Ratio



Chart's Specialty Markets Keep Growing

700M

Water Treatment

- 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
- National and global chains
- Brand name fast followers

600M

Carbon & Direct Air Capture

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

Drivers of Size Opportunity

- Carbon emissions reductions 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.

200M

Molecules By Rail

- Gas By Rail tender cars approved for use

Drivers of Size Opportunity

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

750M

Over The Road Trucking

- LNG as alternative fuel to diesel for heavy duty vehicles
- HLNG vehicle tanks for onboard heavy-duty trucks
- HLH2 onboard tanks in development

Drivers of Size Opportunity

- Regulations in EU
- Reduced engine noise while addressing emission reduction

1100M

Hydrogen

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

Drivers of Size Opportunity

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

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

December 31, 2020 Record GTLS Backlog

Former External Reporting Segmentation

Current External Reporting Segmentation

December 31, 2020 Backlog Record?		December 31, 2020 Backlog Record?		December 31, 2020 Backlog Record?	
Total Chart	✓	Total Chart	✓	Specialty Products	✓
D&S East	✓	Cryo Tank Solutions	✓	Hydrogen	✓
D&S West	✓	Heat Transfer		HLNG Vehicle Tanks	✓
E&C Cryo		Repair, Service, Leasing		Water Treatment	✓
E&C FinFan	✓	Specialty Products	✓	Food & Beverage	✓

Fourth quarter and full year 2020 results will be discussed on Chart's earnings call on February 18, 2021