

LIQUEFACTION | DISTRIBUTION | STORAGE | VEHICLE FUELING



The SMART
Fuel System
for Today

LNG

Liquid Natural Gas



Innovation. Experience. Performance.®

THE LNG VALUE CHAIN

MAY 2014 – GREAT LAKES MARITIME RESEARCH INSTITUTE

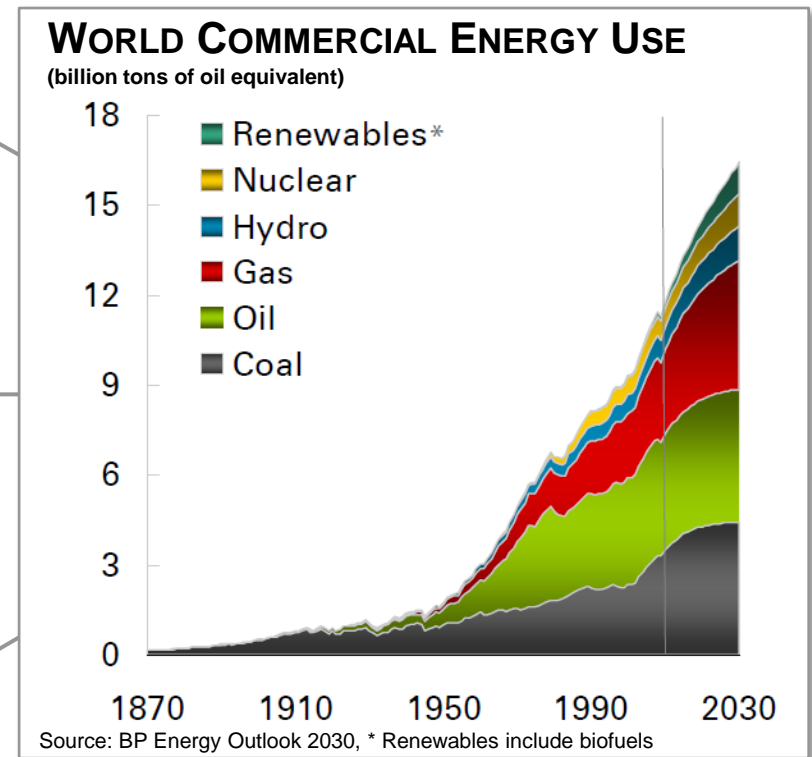
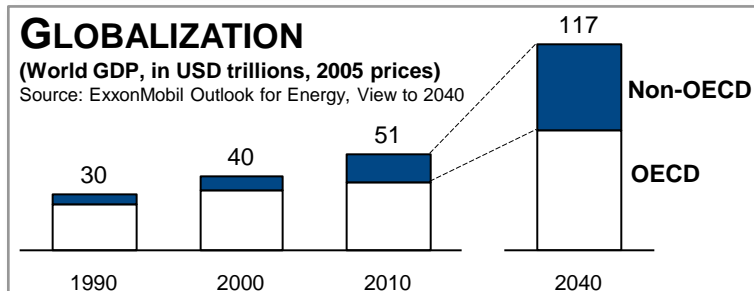
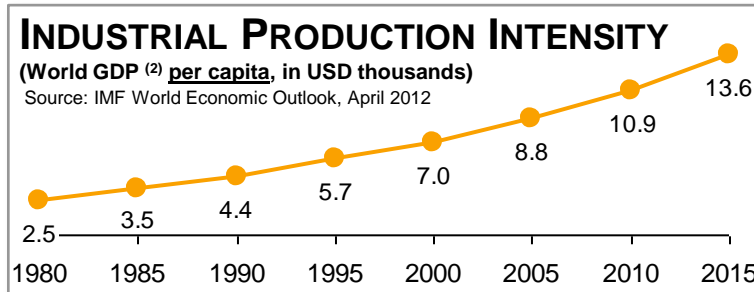
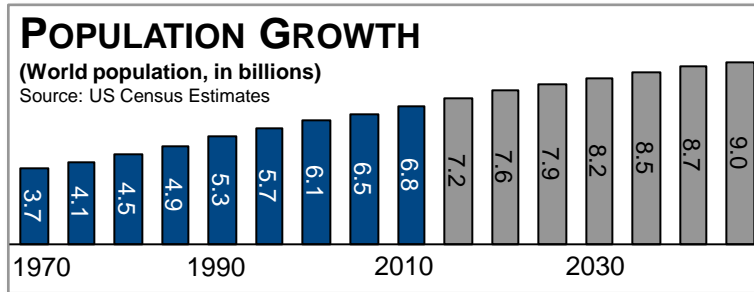


Forward-Looking Statements: This presentation includes “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995. The use of words such as “may”, “might”, “should”, “will”, “expect”, “plan”, “anticipate”, “believe”, “estimate”, “project”, “forecast”, “outlook”, “intend”, “future”, “potential” or “continue”, and other similar expressions are intended to identify forward-looking statements. All of these forward-looking statements are based on estimates and assumptions by our management as of the date of this presentation that, although we believe to be reasonable, are inherently uncertain. Forward-looking statements involve risks and uncertainties that could cause the Company’s actual results or circumstances to differ materially from those expressed or implied by forward-looking statements. These risks and uncertainties include, among others, the following: the cyclical nature of the markets that the Company serves; a delay, significant reduction in or loss of purchases by large customers; fluctuations in energy prices; the potential for negative developments in the natural gas industry related to hydraulic fracturing; changes in government energy policy or failure of expected changes in policy to materialize; competition; economic downturns and deteriorating financial conditions; our ability to manage our fixed-price contract exposure; the Company’s ability to successfully manage its costs and growth, including its ability to successfully manage operational expansions; our reliance on key suppliers and potential supplier failures or defects; the modification or cancellation of orders in our backlog; changes in government healthcare regulations and reimbursement policies; general economic, political, business and market risks associated with the Company’s global operations and transactions; our ability to successfully acquire or integrate new product lines or businesses, including the ability to successfully integrate those businesses; the loss of key employees and deterioration of employee or labor relations; litigation and disputes involving the Company, including product liability, contract, warranty, employment and environmental claims; the adequacy of our warranty reserves; fluctuations in foreign currency exchange and interest rates; the financial distress of third parties; the regulation of our products by the U.S. Food & Drug Administration and other governmental authorities; the pricing and availability of raw materials; potential future impairment of the Company’s goodwill and other intangibles; the cost of compliance with environmental, health and safety laws; our ability to protect our intellectual property; technological security threats; additional liabilities related to taxes; the impact of severe weather; risks associated with our indebtedness, leverage, debt service and liquidity; and volatility and fluctuations in the price of the Company’s stock. For a discussion of these and additional risks that could cause actual results to differ from those described in the forward-looking statements, see disclosure under Item 1A. “Risk Factors” in the Company’s most recent Annual Report on Form 10-K and other recent filings with the Securities and Exchange Commission, which should be reviewed carefully. Please consider the Company’s forward-looking statements in light of these risks. Any forward-looking statement speaks only as of its date. We undertake no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise, except as required by law.

Energy Demand Drivers



Global energy demand is expected to grow **35% by 2035**⁽¹⁾, driven by a few key structural growth drivers:



(1) Growth from 2010-2035, Source: IEA/OECD "World Energy Outlook Special Report - Golden Rules for a Golden Age of Gas", Golden Rules Scenario
 (2) World GDP based on Purchasing Power Parity (PPP)

Parameters for a New Energy Future



Changes to energy supply sources will be driven by three parameters:



Economics

- Solution must spread demand across energy supply sources
- New infrastructure projects must payback with low operating costs



Emissions

- Stricter legislation to reduce air pollution / carbon levels
- National energy plans focus on cleaner energy sources and technology



Energy Independence

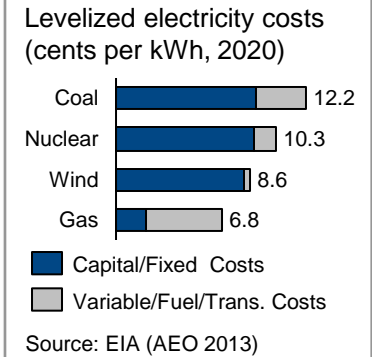
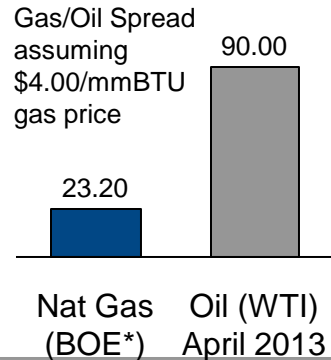
- Countries seek security in national resources
- Shift reliance away from OPEC
- Diversify energy portfolio

Benefits of Natural Gas



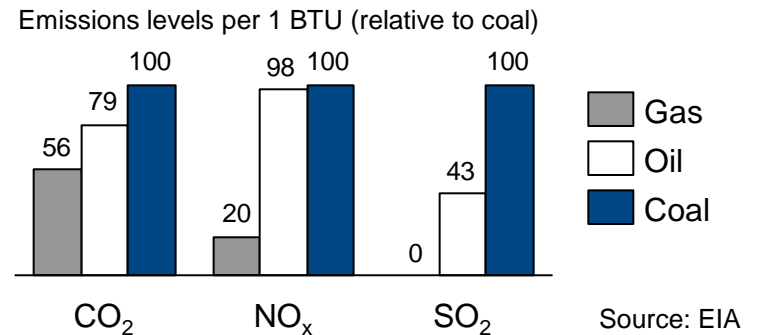
ECONOMICS

- ✓ Crude oil / natural gas spread continues to grow
- ✓ Lower expected power costs for gas fired combined cycle plants



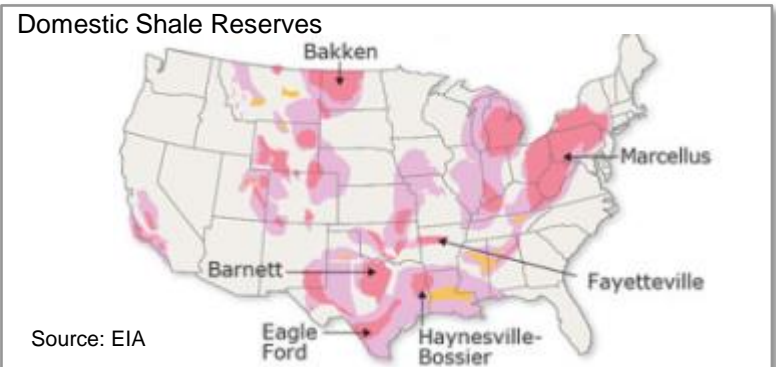
EMISSIONS

- ✓ The cleanest fossil fuel
- ✓ 1/2 of CO₂ emissions vs. coal
- ✓ Power gen. produces minimal sulfur oxides and particulates



ENERGY INDEPENDENCE

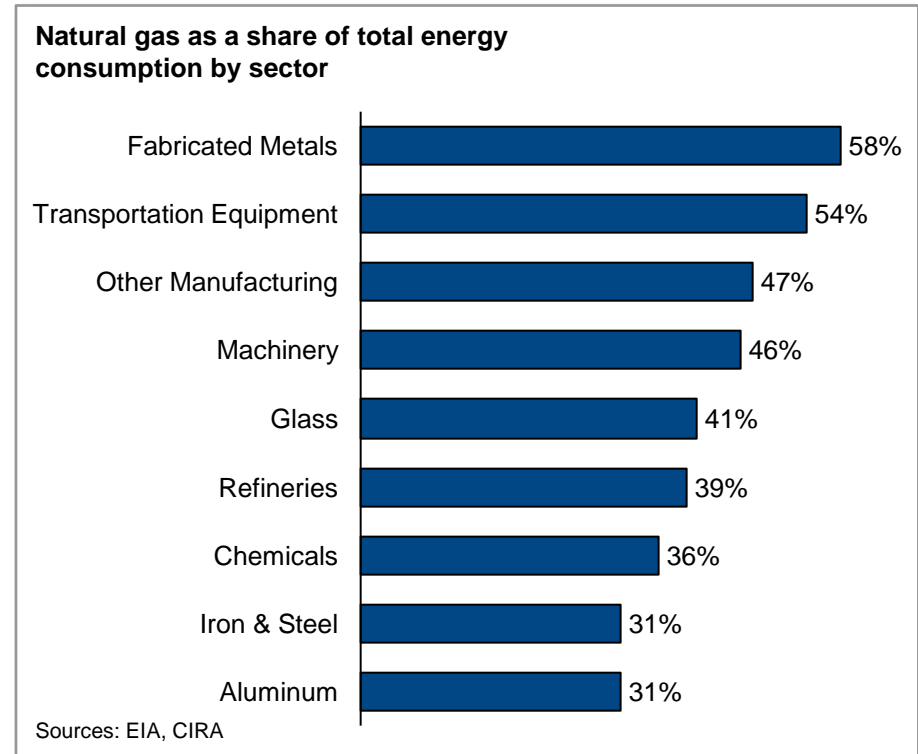
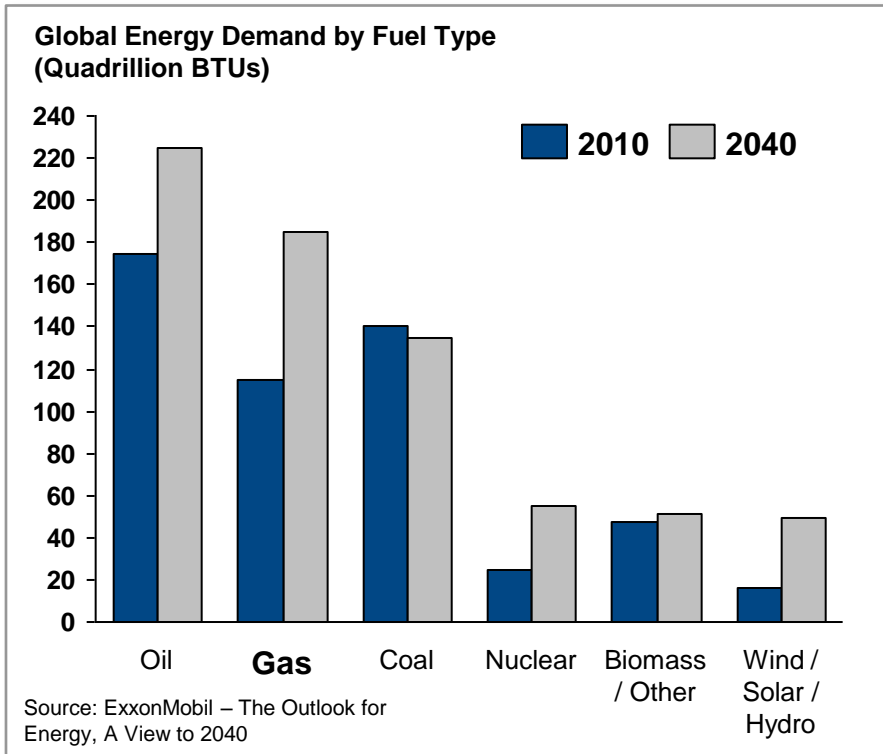
- ✓ Ample reserves both domestically and globally
- ✓ Reduced reliance on oil
- ✓ Growth of unconventional sources



Natural Gas Demand Growth



Given these parameters, **NATURAL GAS** stands to benefit.



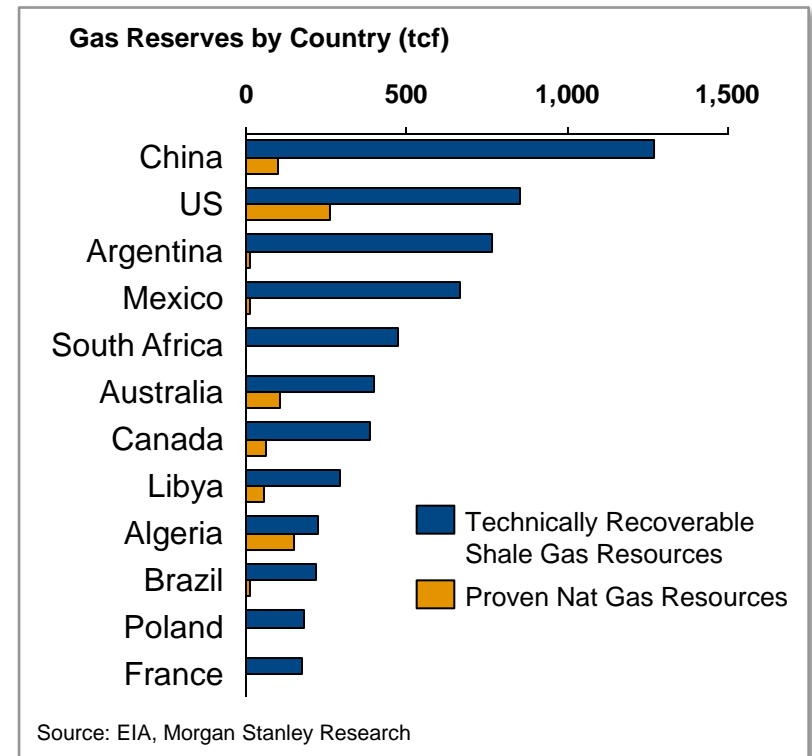
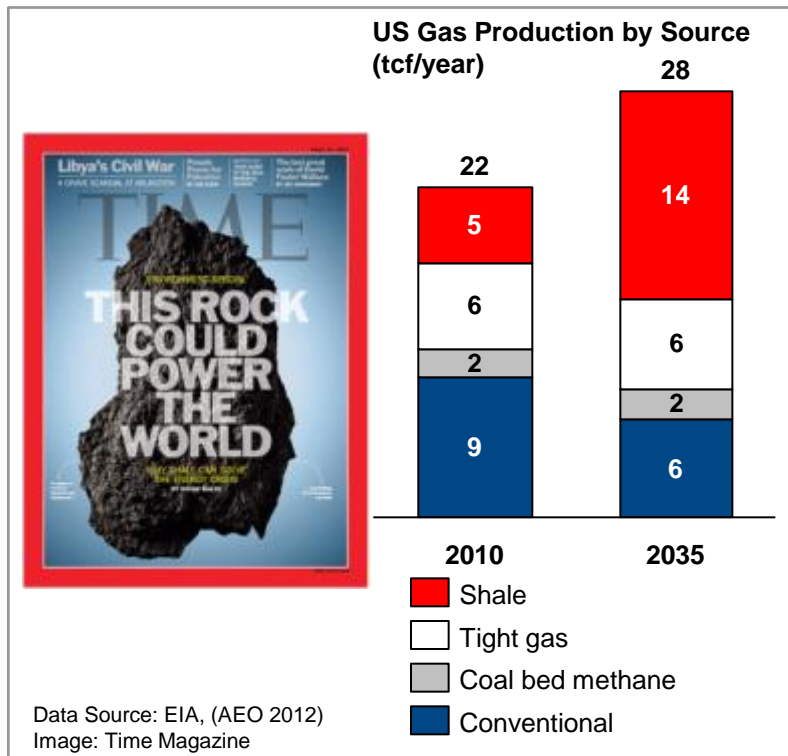
Natural gas demand is expected to grow faster than coal & oil

Low energy costs will drive demand growth in all sectors

Unconventional Gas “Revolution”



Advances in technology, including hydraulic fracturing, have led to higher production efficiency for unconventional gas and a growth in reserves.



Natural gas production in the US will continue to grow

International shale reserves have yet to be monetized

Liquefied Natural Gas (LNG)



❖ What is LNG?

- Natural gas cooled to -260 °F (-162 °C)
- Clear, colorless non-toxic liquid

❖ Efficient

- High energy density comparable to diesel and petrol
- 2.5x more fuel stored in the same space versus CNG

❖ Safe

- Not explosive in an uncontained environment
- Rapidly evaporates when exposed to atmosphere and leaves no residue on soil or water
- Non-toxic
- Non-pressurized
- No major accidents, safety or security issues in over 50 years of commercial use

❖ Transportable

- Reduced to 1/600th of its original volume making it easy to transport



LNG Opportunities



LNG fuel use predicted to increase, particularly in high fuel consumption applications:

- ❖ Drill rig (immediate)
- ❖ Pressure pumping (immediate)
- ❖ Truck (1 year)
- ❖ Marine (1-3 years)
- ❖ Mining (3-5 years)
- ❖ Locomotives (3-5 years)
- ❖ Other high fuel use industrial applications

LNG fuel supply and infrastructure expected to increase



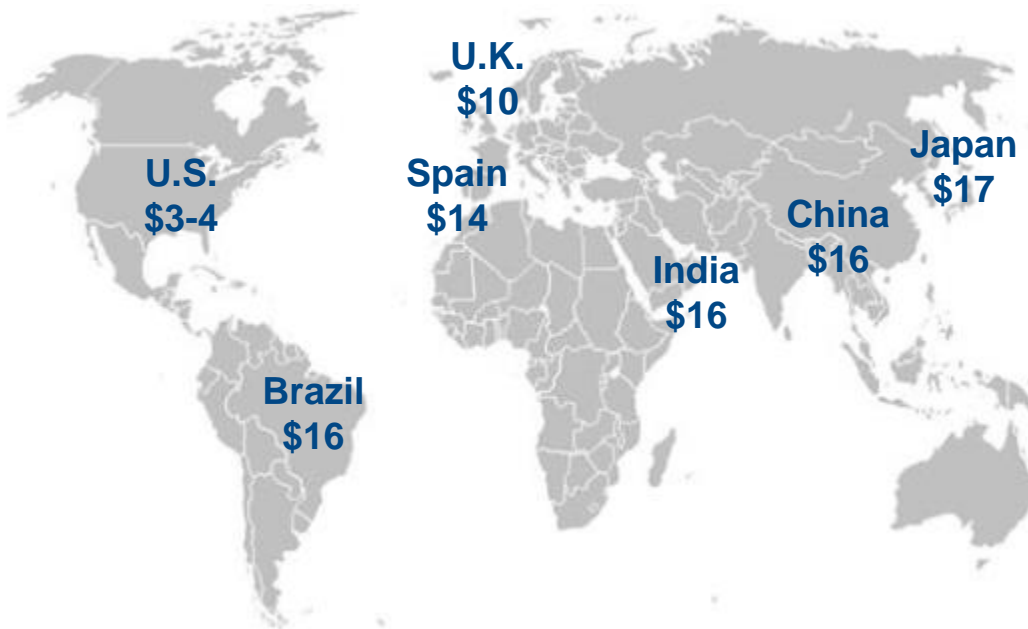
Source: Gladstein, Neandross & Associates – December 2012

LNG Opportunities

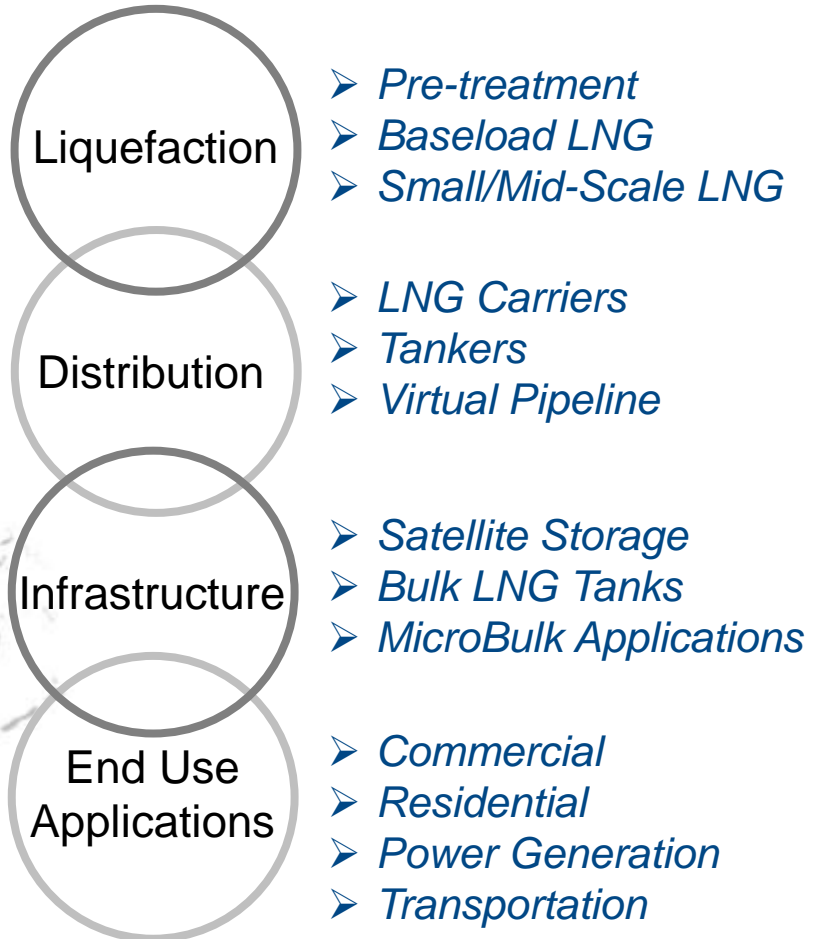


Current regional differences in natural gas supply, infrastructure, and prices provide support for investment in LNG applications & projects

World LNG Estimated Landed Prices (\$US / MMBTU)



Source: Federal Energy Regulation Commission and Waterborne Energy, Inc (Updated: 3/7/2013)

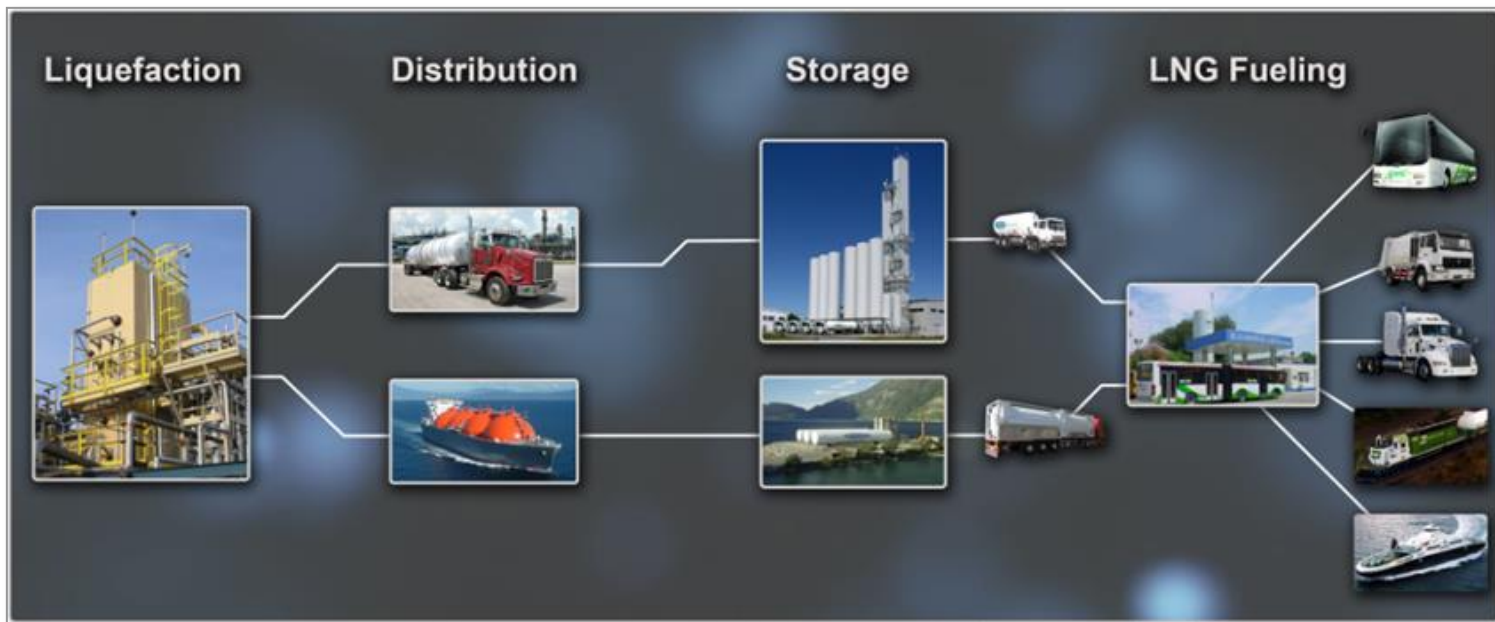


LNG Value Chain



Chart – the industry’s unrivalled integrated supplier and a worldwide leader in Liquefied Natural Gas (LNG) equipment for transportation and energy.

Uniquely positioned to address the **entire LNG Value Chain** – liquefaction, distribution, storage and end-use – we bring many years of experience in LNG solutions to our customers, facilitating the use of a clean-burning, safe fuel alternative to diesel into your future.



Innovation. Experience. Performance.®

Liquefaction – Overview



Chart is a leader in liquefaction solutions & Mission Critical Equipment

- Brazed Aluminum Heat Exchangers (BAHX)
- Cold Boxes
- Process Systems:
 - ✓ Proprietary process technology - IPSMR®
 - ✓ Standard LNG plants for small and mid-scale gas monetization
 - ✓ Modular LNG solutions



Brazed Aluminum Plate & Fin Heat Exchanger



Chart's Brazed Aluminum Heat Exchangers (BAHX) are a critical component for the liquefaction of hydrocarbon mixtures and the recovery or purification of methane (LNG), ethane, propane, and ethylene

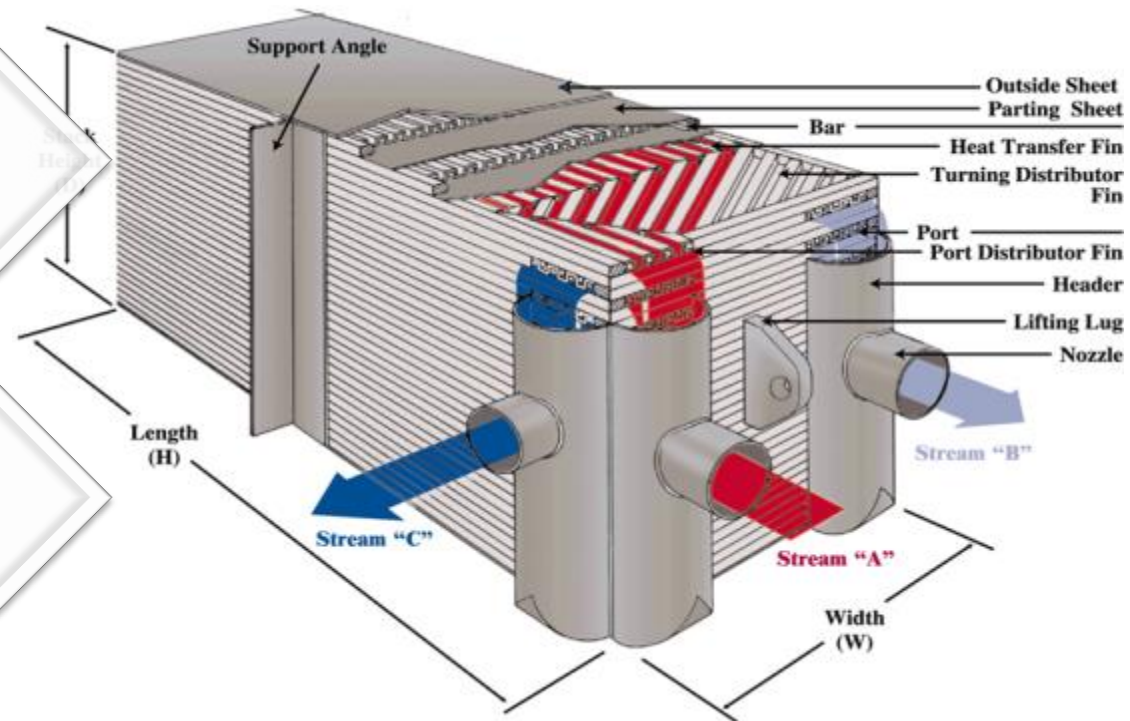
Chart's BAHX Advantage:

Versatile

- 2 - 20 streams
- -269°C / +204°C design
- 0 -160 bar

Compact

- Surface area-to-volume >1000 m²/m³
- 1°C approach
- Thermal margin



Cold Box Manufacturing





BAHX for LNG Liquefaction

Economy

- BAHX are significantly less expensive than coil wound heat exchangers (CWHE)
- Modular construction, 'plug & play' cold box solution and minimal field construction result in reduced installation costs and a shorter overall schedule
- CWHE are heavier & bulkier for the same level of performance, which means increased transportation limitations/costs and increased field construction
- Increased customer choice – several BAHX vendors versus two for CWHE

Efficiency

- Superior thermal performance – 300 to 1000m²/m³ heat transfer surface area versus 50 to 150m²/m³ for CWHE
- High thermodynamic efficiency through close ΔT at the outlet
- Multi-stream capability
- BAHX design permits high pressure on ALL streams
- Improved turndown capability of BAHX facilitates operational flexibility
- Simplified start-up

Chart has supplied > 500 BAHX for LNG liquefaction



BAHX for LNG Liquefaction

Cascade Cycle

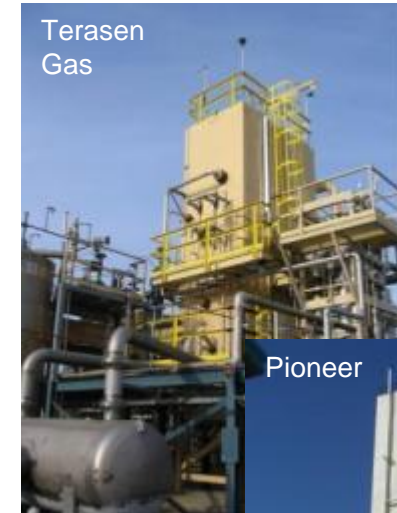
- ❖ Extensive use of BAHX provides high thermodynamic efficiency by exploiting the advantages of close temperature approaches and the compact size of the heat exchangers

N2 Expander Cycle

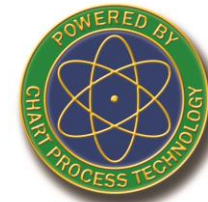
- ❖ Typically used for ship mounted re-liquefaction and small capacity plants where weight and space are at a premium hence compact nature of BAHX is a perfect solution

Single Mixed Refrigerant Cycle

- ❖ Multi-stream capability of BAHX permits a single service for the complete heat exchange process rather than having separate heat exchangers piped together in series



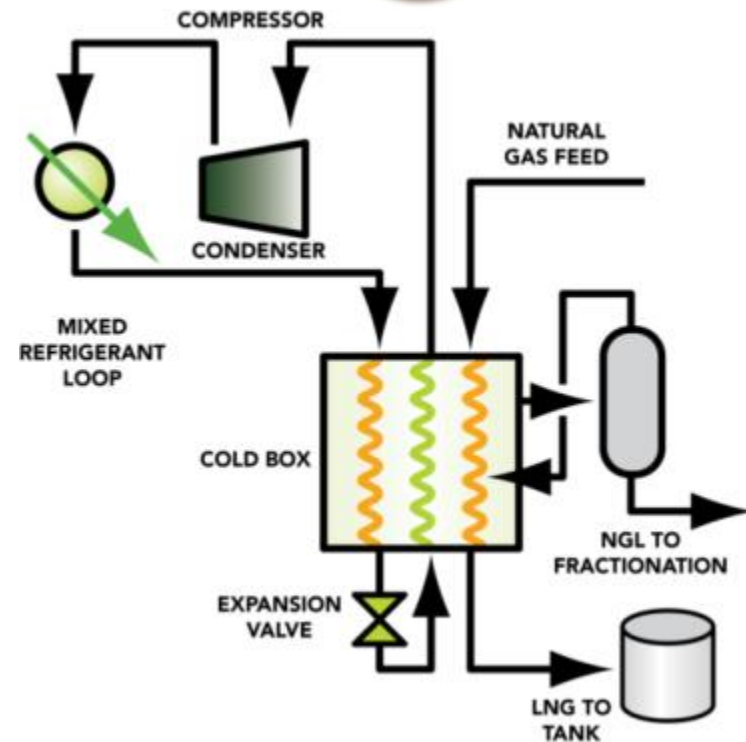
Chart's Advantage: IPSMR[®]



- IPSMR[®] is an improved integrated Single Mixed Refrigerant (SMR) process
- Separate vapor/liquid MR circuits to reduce energy and eliminate refrigerant issues

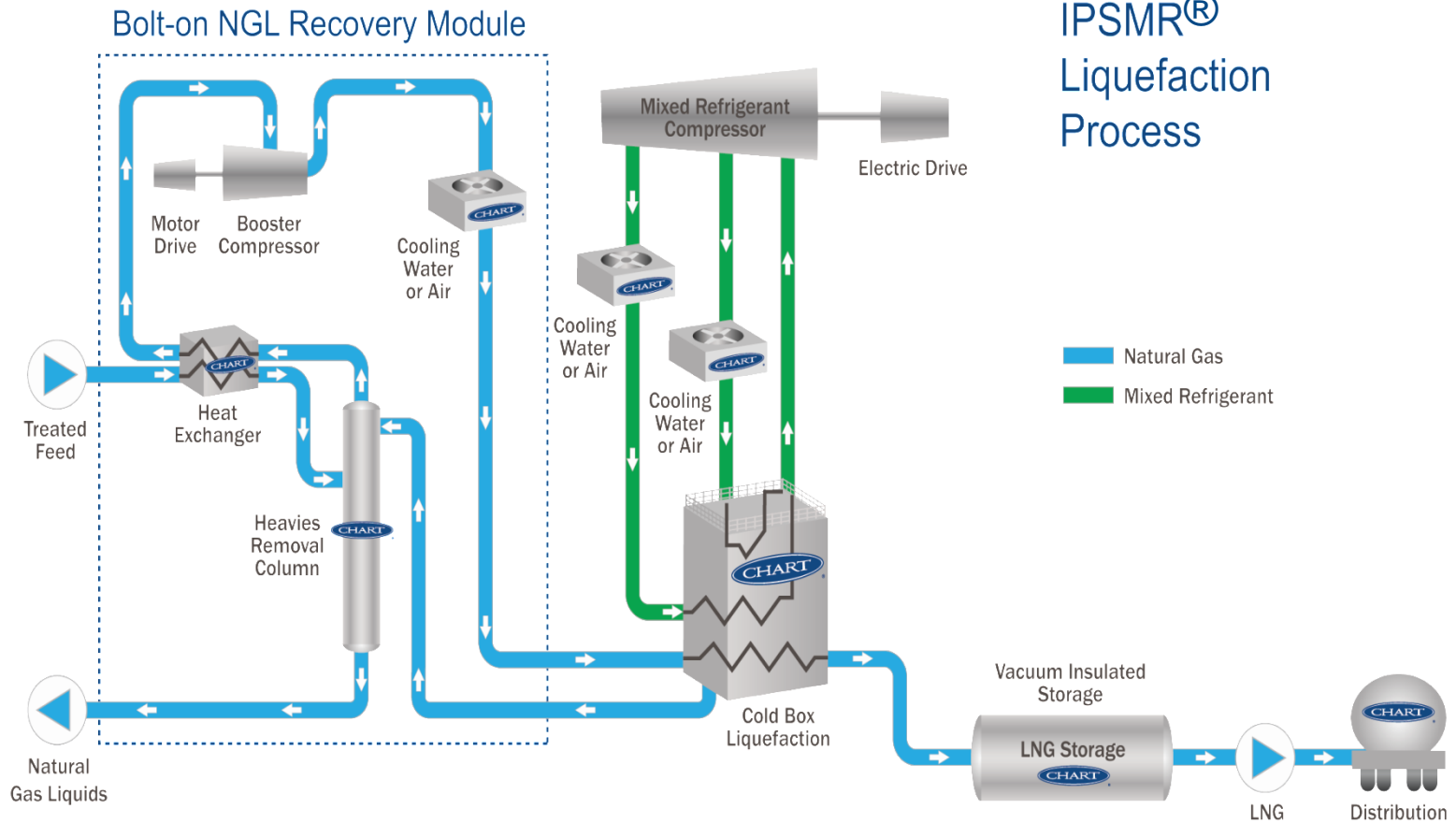
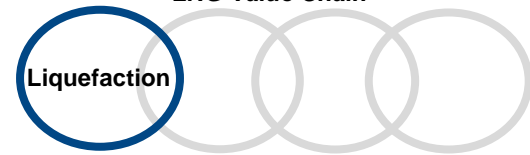
Integration

- **Optimized compression ratio in the mixed refrigerant compressor**
 - **Proprietary BAHX designs for vapor / liquid distribution, ensuring heat exchanger performance**
 - **Integrated NGL and nitrogen removal**
-
- Optimized to site conditions and other constraints

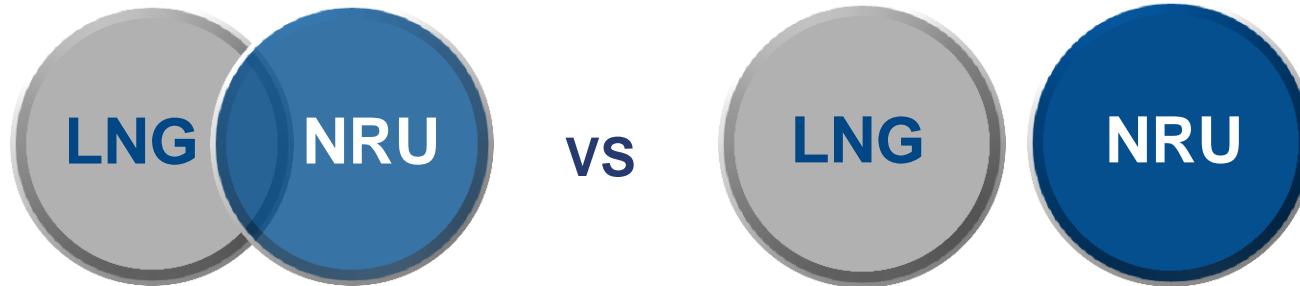


- Integrated heavies removal system to prevent freezing in the liquefier or N2 to meet LNG specification
- With IPSMR® the warm end cooling loop pre-cools the suction to the mixed refrigerant compressor, which lowers the overall compression horsepower compared to conventional SMR designs
- The warm end of the composite cooling curve is tighter, improves efficiency further reducing overall power consumption
- Heavy refrigerant components are kept out of the cold end of the process, thus mitigating potential refrigerant freezing problems
- A pre-cooled option further improves efficiency and significantly increases single train capacity

Chart's IPSMR[®] Technology

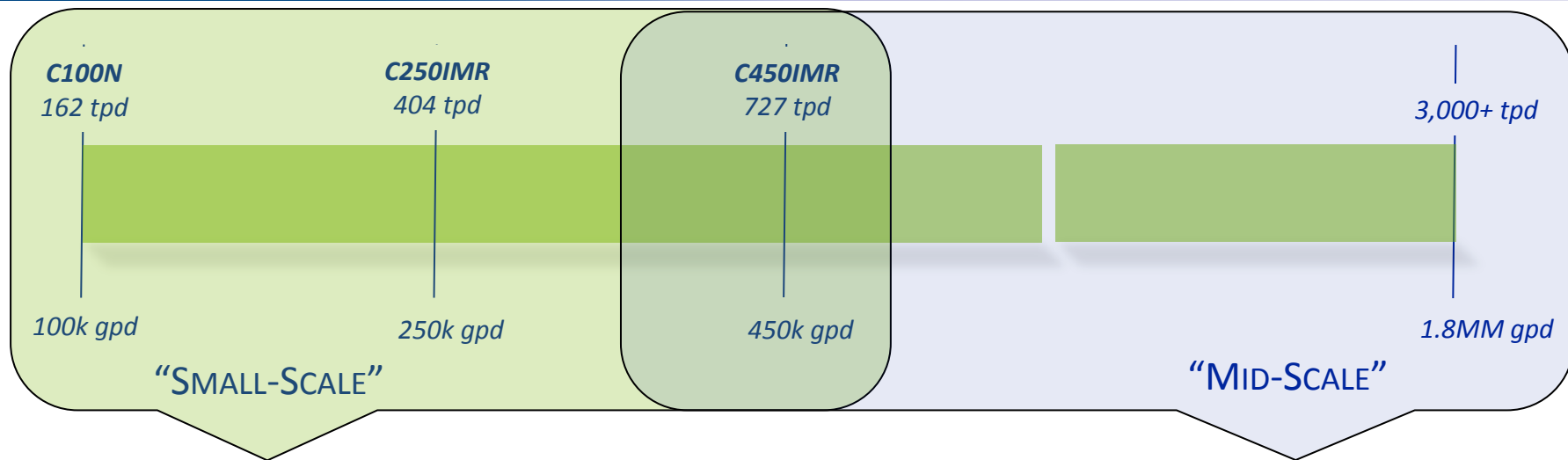


IPSMR[®] Liquefaction Process

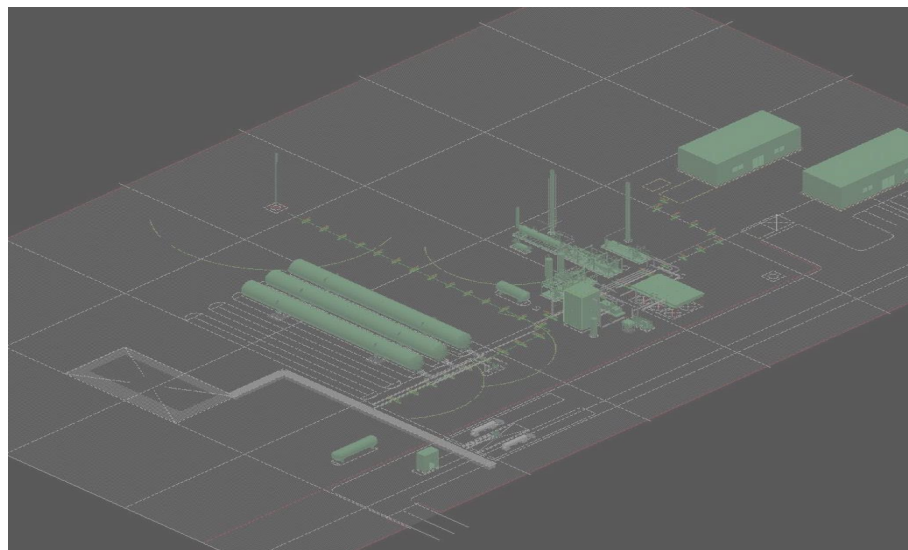


- ❖ Natural gas with high N₂ can be economically feasible as LNG feedstock
- ❖ Independent – Variable composition allowing for NRU shutdown during low N₂ feed
- ❖ Integration is a function of
 - LNG purity
 - Environmental regulations – CH₄ emissions
 - Facility demand for fuel
 - ✓ Gas turbines and low BTU burners ~ 37% N₂ or 25 MJ/Nm³
 - ✓ Sufficient fuel demand eliminates need for high purity N₂ product

Small- & Mid-Scale LNG



- ❖ Standard plant solutions
- ❖ Significant preassembly
- ❖ Virtual Pipeline – Truck shipment of LNG product
- ❖ Robust design, predictability key



- ❖ Replicable designs or multiple 'Modules'/Trains
- ❖ Less preassembly
- ❖ Gas Field Monetization – Ocean shipment of LNG product
- ❖ Integrated Process Design



Standard Plant Solutions

C100N – 100,000 gpd (165 tpd) liquefaction capacity
C250IMR – 250,000 gpd (400 tpd) liquefaction capacity
C450IMR – 450,000 gpd (725 tpd) liquefaction capacity

- ❖ Chart scope includes all equipment to liquefy pipeline quality natural gas
- ❖ Plants can incorporate 'bolt on' modules to handle gas pre-treatment, nitrogen rejection and natural gas liquids (NGL) recovery
- ❖ Key equipment, comprising heat exchangers, cold box and storage tanks, is designed and built in-house
- ❖ Chart proprietary liquefaction process technology
- ❖ Chart brazed aluminum heat exchangers (BAHX) for improved thermal performance and operating efficiency

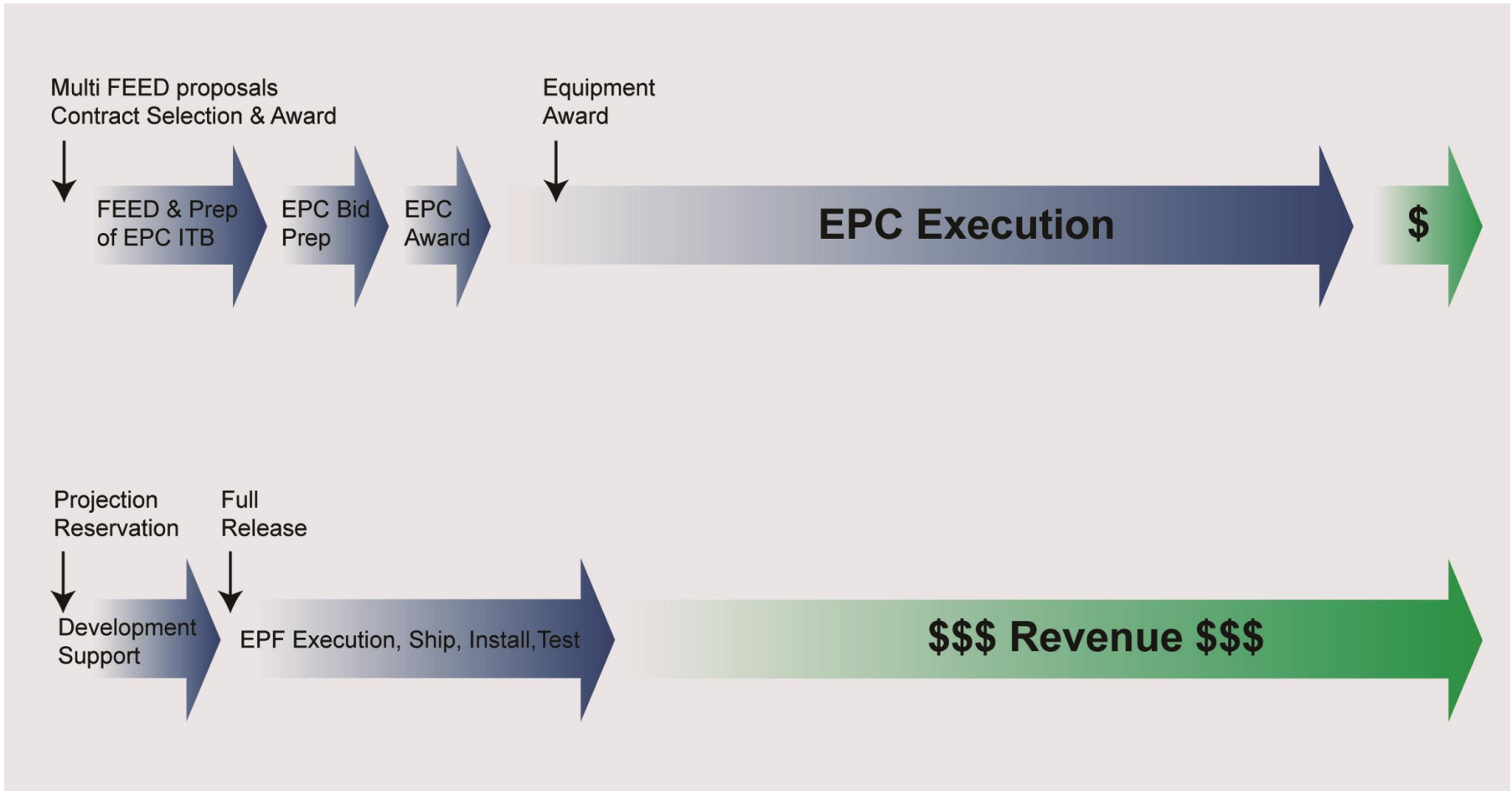


Standard Plant Advantages

- ✓ Reduced CAPEX by shorter delivery cycle
- ✓ “Off the shelf” designs – less engineering, faster procurement cycles
- ✓ Vertical Integration – Process plant provider also manufactures key processing equipment
- ✓ Efficient process design lowers overall cost of liquefaction
- ✓ Flexible designs to add “Bolt-On” modules for varying gas composition and multiple trains



Shorter Project Execution





Modular LNG Liquefaction

Component subsystems must be combined into one integrated system and managed to ensure that component parts function as a whole

Pre Treatment



Liquefaction



Compression

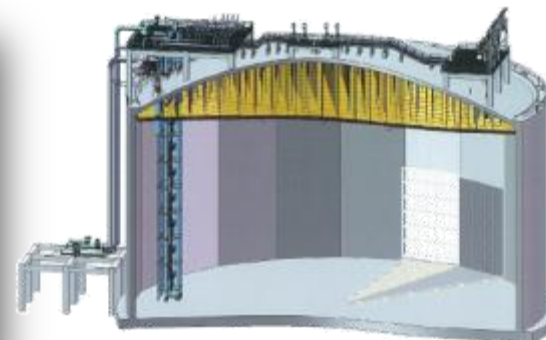


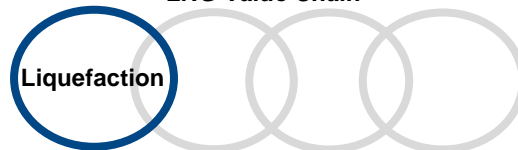
Photo courtesy of Siemens

Nitrogen Rejection



Storage





Modular LNG Case Study

References



ENERGY WORLD
CORPORATION LIMITED



Mid-scale LNG Liquefaction Sengkang, South Sulawesi, Indonesia

Customer : Energy World Corporation

Scope : Four (4) Trains, Single Mixed Refrigerant IPSMR®

Capacity: 0.5 MTPA / Train

Year: Construction underway

Project Highlights

- Pipeline Gas Feed
- EWC/Chart/Siemens Project Team
- Electric Motor Driven Compressors



Modular LNG Case Study

References



Schematic of LNG Newcastle Project at Kooragang Island (Image courtesy of Toyo Engineering Corporation)

Mid-scale LNG Liquefaction c/w Integrated NRU Newcastle LNG Plant, Kooragang Island, Australia

Customer : Eastern Star Gas

Scope : Two (2) Trains, Single Mixed Refrigerant IPSMR®

Capacity: 0.5 MTPA / Train

Year: FEED in progress 2011

Project Highlights

- Coal Bed Methane Gas Feed
- Toyo/Chart/Hitachi Project Team
- Electric Motor Driven Compressors
- Integrated NRU

Distribution - Overview

❖ Chart's Distribution & Storage Group offers a full portfolio of shop fabricated LNG transport equipment

- Railcars
- Trailers
- 'LNG Virtual Pipeline'



LNG



LNG Storage at Peakshaver



Distribution Truck



Above Ground Cryogenic Storage & Fueling Station



LNG Powered Vehicles

Virtual Pipeline → Liquid Distribution

LNG Value Chain

Distribution

Diesel



Diesel Fuel Storage at Refinery



Distribution Truck



Below Ground Storage & Fueling Station



Diesel Powered Vehicles

Look Familiar?

LNG



LNG Storage at Peakshaver



Distribution Truck



Above Ground Cryogenic Storage & Fueling Station



LNG Powered Vehicles

LNG Railcar Transport



- ❖ Chart's SR-603 Tank Car
 - DOT-113C120W
 - AAR Compliance
 - US DOT Compliance
 - ~30,680 gallon capacity

LNG Transport Trailers



The ST-12700 transport trailer is vacuum-insulated, cryogenic semi-trailer designed specifically for transporting Liquefied Natural Gas (LNG) over US highways.

The ST-16300 transport trailer is specific for Canadian use and exceeds the requirements of an MC-338 highway trailer.



Virtual Pipeline Distribution

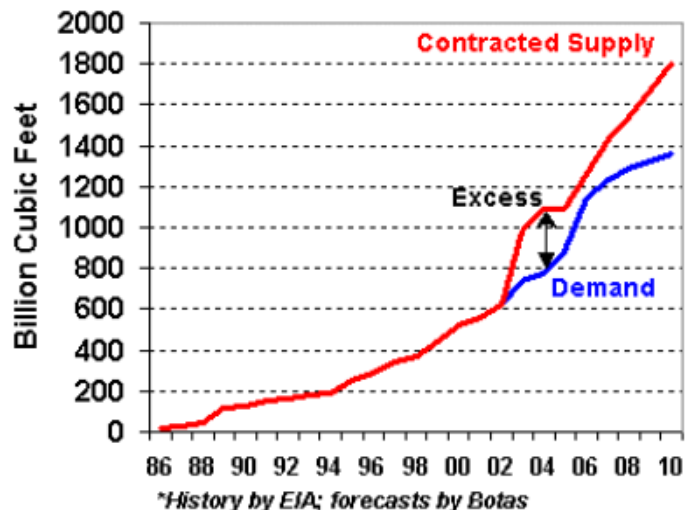


Virtual Pipeline Case Study

References



Turkey's Natural Gas Balance
1986-2010*



HABAS LNG Virtual Pipeline Istanbul, Turkey

Customer : HABAS Industrial and Medical Gases Production Industries, Inc

Scope : LNG storage, transport fueling stations, cryogenic transport tanks/trailers & end-user storage/regasification.

Project Highlights

- Habas, a leader in LNG/CNG distribution, provides services to customers who cannot connect to a gas pipeline.
- Excess LNG imports can be exported outside of Turkey and into Europe without further infrastructure.

Virtual Pipeline Case Study

References



LNG Heavy Truck



LNG Bus



Rudong LNG Receiving Terminal Rudong, Jiangsu, China

Customer : PetroChina

Scope : Phase I : 3.5 mm Ton/Yr
Phase II: 3.0 mm Ton/Yr

Year: 2012 Phase I in operation

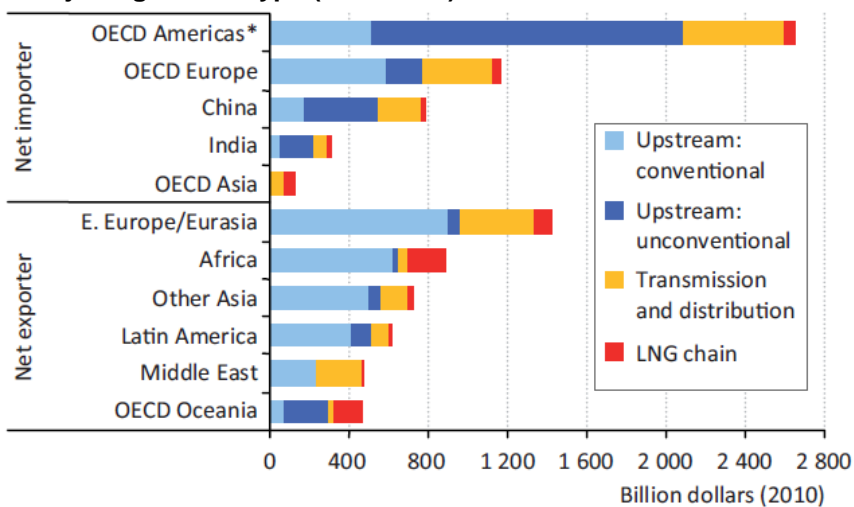
Project Highlights

- Approx. 350 LNG Semi-Trailers
- Transport LNG to Zhejiang province, Guangdong province, etc.
- Max. transport distance: 1000 km
- Chart supplied 40 LNG trailers, (1) LNG fueling station, most of the LNG vehicle tanks

Infrastructure/Storage - Overview

- ❖ Demand for LNG storage will rise with growth in distribution and global trade

Cumulative investment in natural gas-supply infrastructure by major region and type (2012-2035)



* OECD Americas becomes a net exporter of gas by 2020 in the Golden Rules Scenario

Source: IEA, Golden Rules for a Golden Age of Gas, Golden Rules Scenario



- ❖ Chart's Distribution & Storage Group offers a full portfolio of shop fabricated LNG storage solutions along with regasification equipment

- Bulk Engineered Tanks
- Satellite Storage
- Telemetry Solutions
- Vaporizers

Satellite Storage - Norway



Norwegian Filling Terminals Halhjem, Mosjoen, Vestbase, Heroya, Kolo, ORA

Experience: Several LNG terminals with connections for ships

Example Scope (Halhjem):

2 Horizontal Bulk Tanks (500 m³ each)
1,700 litre/min Cryogenic Pump
100 meters of Vacuum Insulated Pipe (VIP)



Project Highlights

- Used for refueling ferry ships nightly
- Interconnecting piping below roadway
- Full solution: storage and VIP → fueling module

LNG Storage Vessels



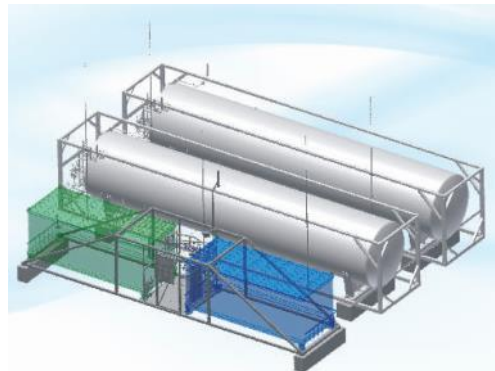
- **Chart's Vertical and Horizontal LNG Storage Tanks offer a range of volumes sized for your applications.**
- **Key Benefits**
 - Maximized internal liquid capacity allows for more storage
 - Easily integrates with existing systems, offering flexibility in vessel orientation
 - Highest thermal efficiency offers maximum hold times and less loss of LNG



ISO Intermodal Containers



- **Chart's 20 and 40 ft ISO's Containers for LNG and other cryogenic liquids**
 - Key benefits
 - Longest hold times in the industry
 - Higher grade of inner vessel allows for lighter container
 - Enhanced outer frame for long service life.



- **Chart's Experience with ISO's**

- 2 Decades of History – since 1994
- More than 1300 ISO containers manufactured, 20 ft and larger



End Use - Overview



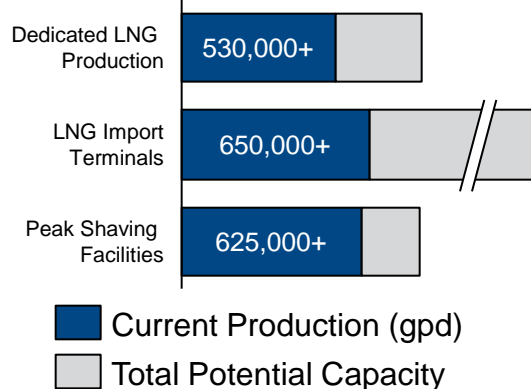
❖ Chart provides end user solutions to complete the LNG Value Chain, including:

- Natural Gas Vehicle Fueling
- Oil & Gas Production Applications
- Maritime Applications
- Railroad
- Industrial Applications

Vehicle Fueling

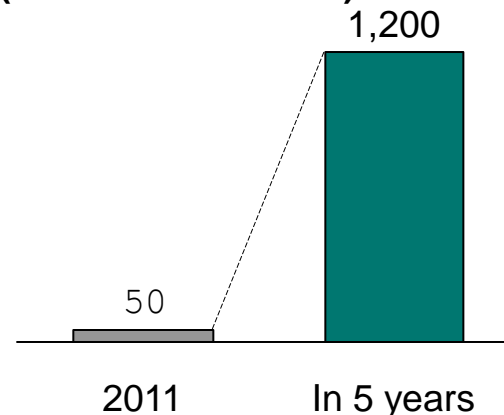
- ❖ **Opportunity:** replace diesel and gasoline powered vehicles with lower cost, cleaner burning, abundant, domestic natural gas vehicles
- ❖ **What's needed for LNG vehicle success?**
 1. available LNG from a production plant, peak shaving plant or import terminal
 2. refueling infrastructure or means to refuel the vehicles
 3. the appropriate vehicles (and engines) for the application
- ❖ **Current State in the US:**

1.) LNG Available for Fueling Stations



Source: Company Estimates

2.) Refueling Infrastructure (Total LNG Stations)



Source: Company Estimates

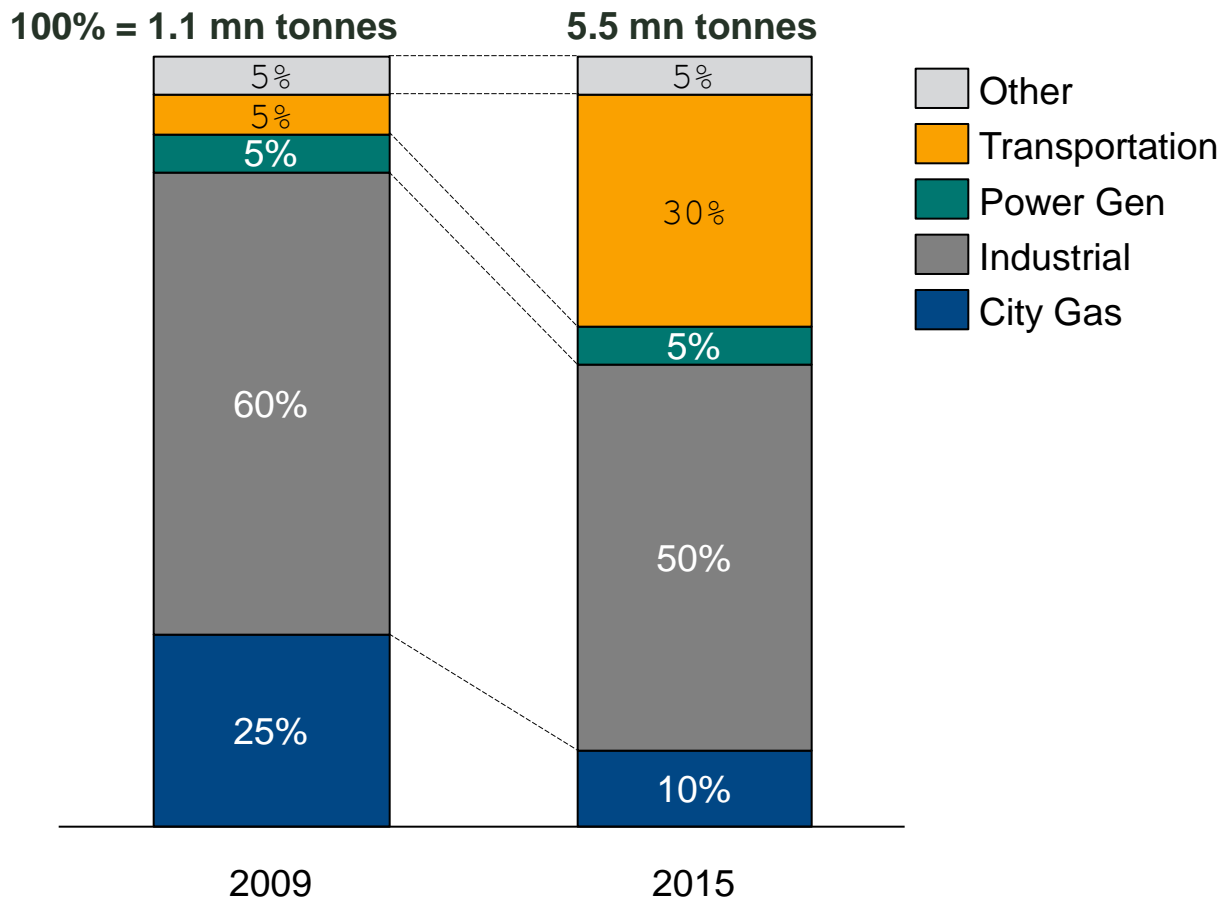
3.) LNG Vehicles/Engines

- ✓ **Est. 9,000+ LNG vehicles**
- ✓ **All Major Truck OEMs**
 (Including Freightliner, Peterbilt, Kenworth, Navistar, Volvo, Mack, and others)
- ✓ **Recent advancements in engine technology (improved power performance)**

Vehicle Fueling in China

Vehicle fueling in China is more established and set to expand

China LNG Demand by Sector



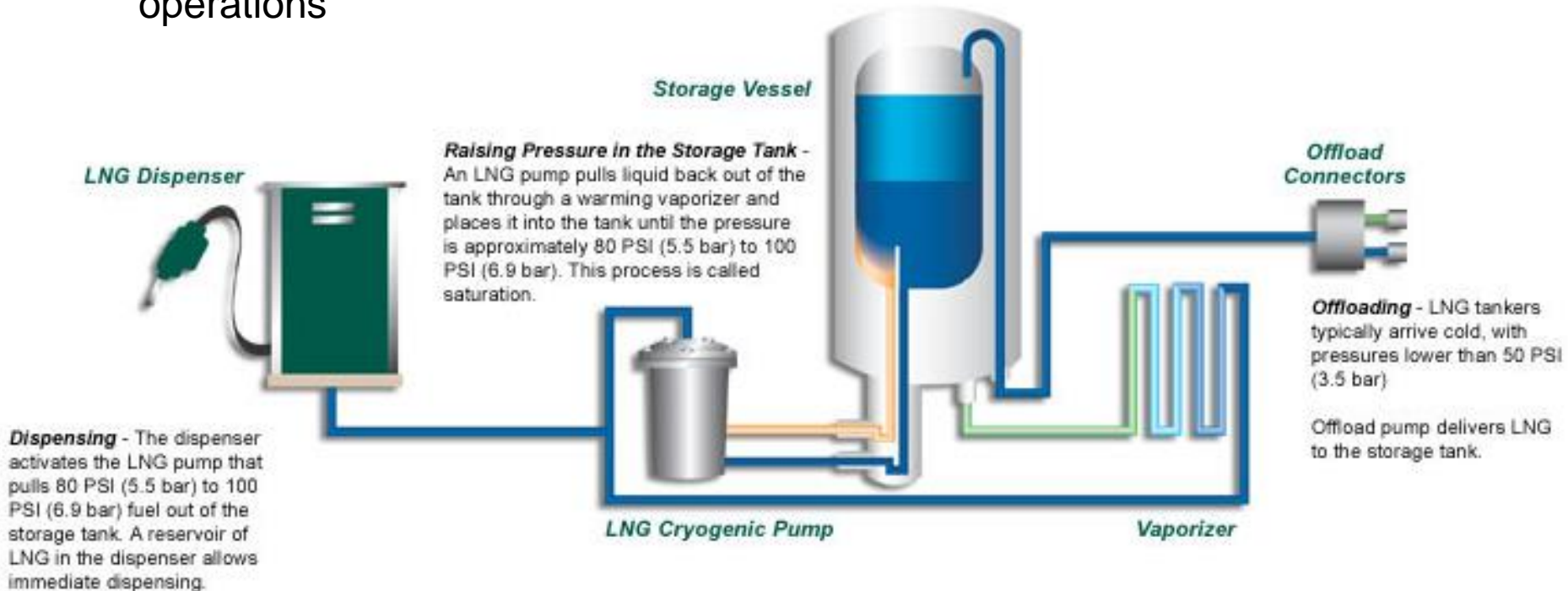
- ❖ Current LNG demand is to supplement pipeline gas for residential (city gas) and industrial applications
- ❖ New pipelines will replace need for supplemental LNG
- ❖ Demand for LNG will shift more toward vehicle fuel

Source: Company Estimates; SINOTRUST Research

LNG Filling Stations

❖ Chart's LNG Filling Station Features:

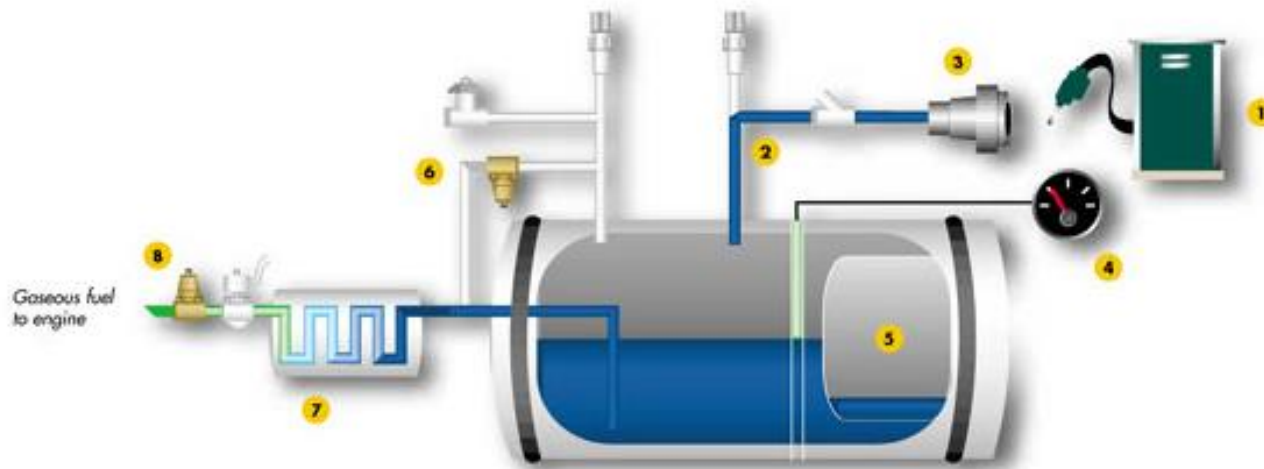
- ✓ Full solution from storage vessels to dispensers
- ✓ Various fleet size options (from 1 up to 200 vehicles)
- ✓ LCNG (LNG to CNG) options available
- ✓ Experienced partner to supervise and install, test, and debug early operations



On-board LNG Fueling Systems

❖ On-board LNG Fueling System Features:

- On-board tank, heat exchanger, pressure regulators, and fueling system to deliver natural gas to the engine
- Variety of sizes to fit multiple applications including trucks, cars, buses and even trains
- Chart has been a leader in fabricating vacuum-insulated storage vessels for multiple decades



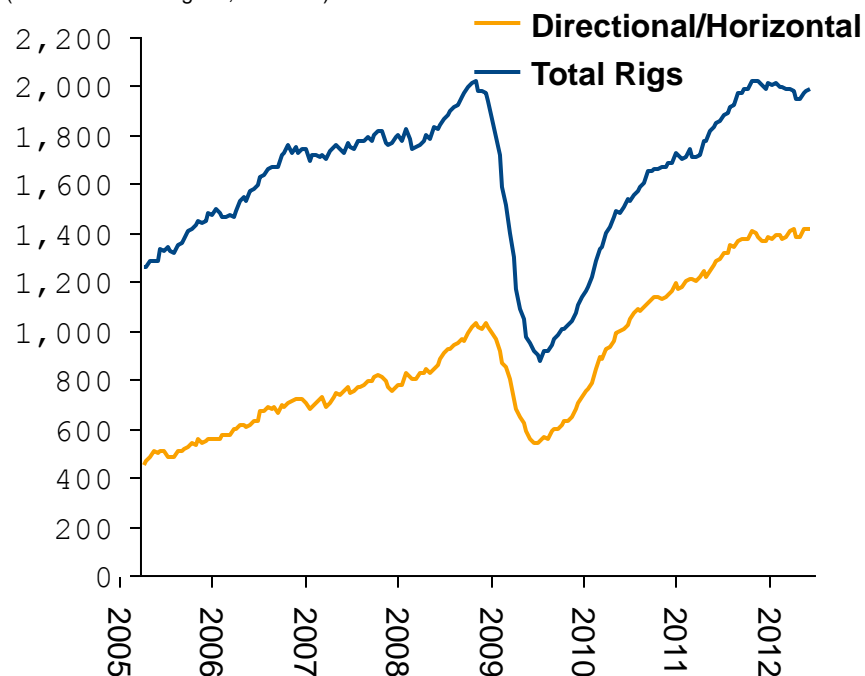
Oil & Gas Applications

❖ Opportunity: diesel replacement for drill rig power generator applications

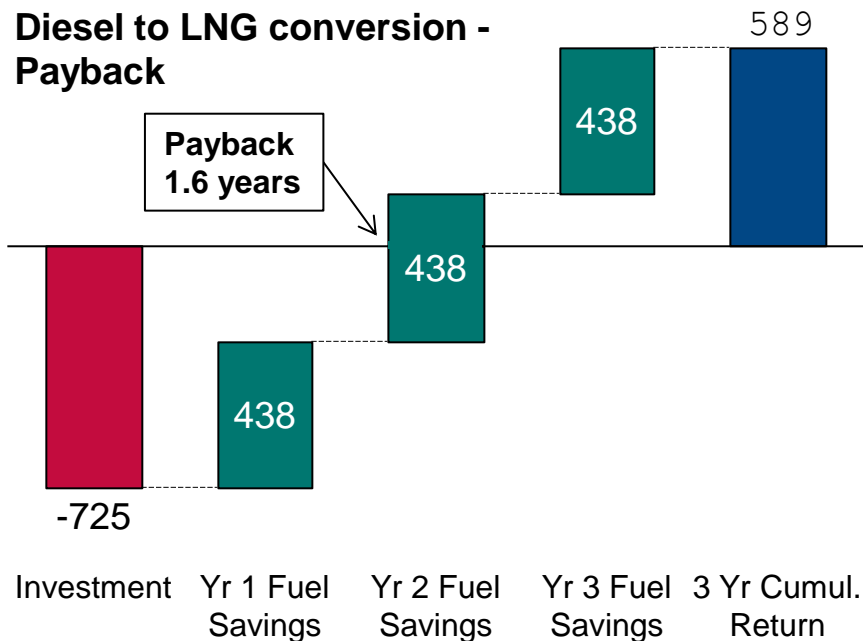
- Typical drill sites can consume between 700 to 2,500 gallons of diesel per day (gpd)
- Substantial operational savings by converting to LNG (est. payback 1-2 years)
- Non conventional drilling by directional or horizontal drilling which now comprise 59% of North American drill sites require more power

North American Rotary Rig Count by Type

(Source: Baker Hughes, 06/08/12)



Diesel to LNG conversion - Payback



USD in thousands

Company estimates. Assumptions: 1,200 diesel gpd replaced with 2,280 LNG gpd with \$1.00 of fuel savings per diesel gallon equivalent. Investment includes generator set repower and LNG storage & vaporization.

Oil & Gas Applications

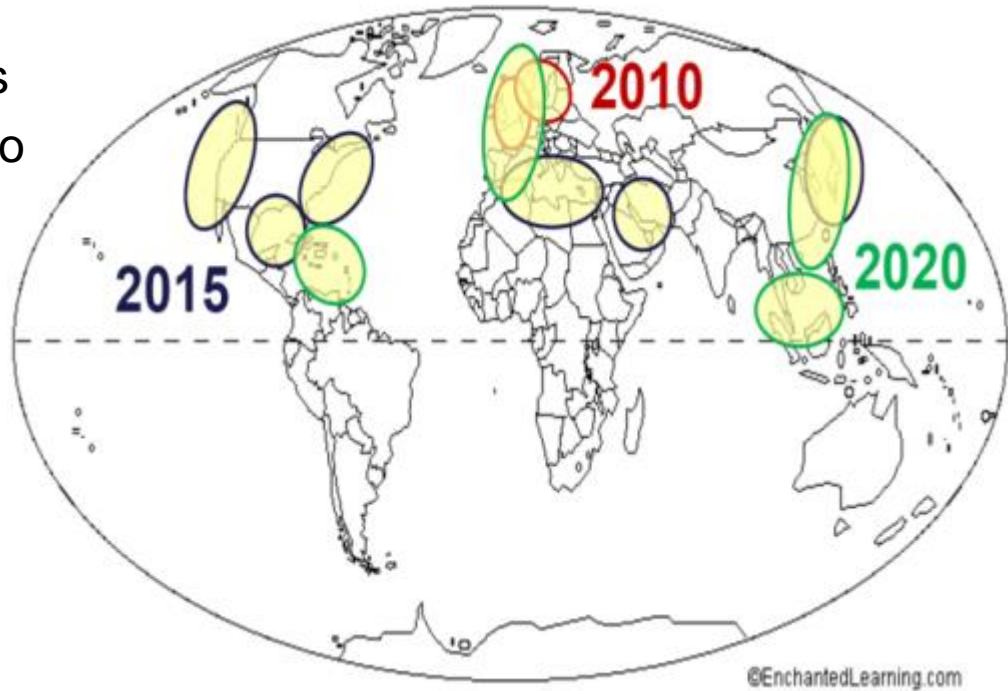
- ❖ Chart provides mobile LNG regasification systems, transport trailers, mobile (temporary) vehicle fueling systems and vehicle tanks
- ❖ Features:
 - ✓ 15,000 gallon LNG capacity
 - ✓ The high flow system delivers 14,000 SCFH at 50 psig continuously.
 - ✓ Telemetry capable - remote monitoring of liquid level, gas temperature, pressure and flow



Maritime Applications

- ❖ 15 biggest ships produce more emissions than 760 million cars
- ❖ Emission Control Regulations to take effect over next 10 years

Emission Control Areas (ECAs)

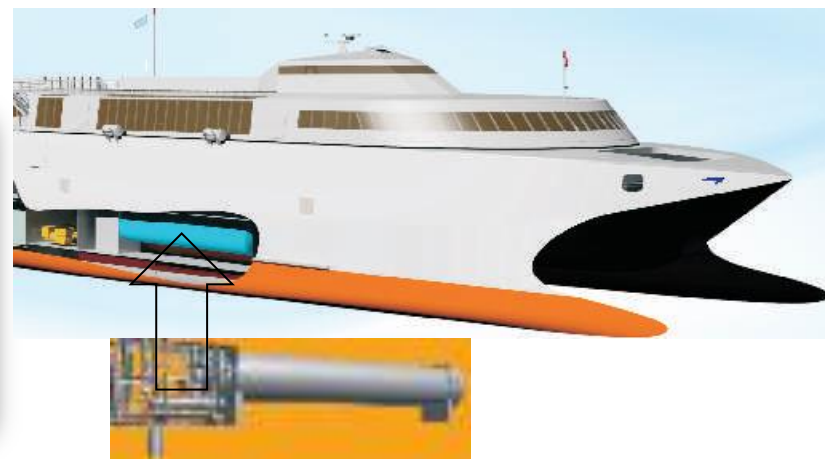
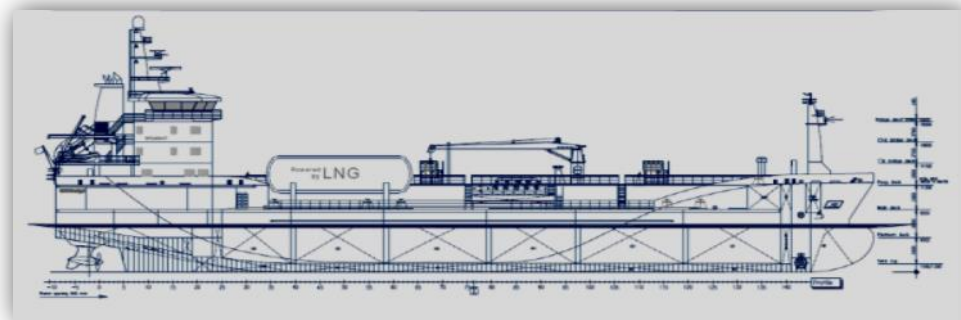


- ❖ Other advantages to switch:
 - ❖ High efficiency
 - ❖ Combustion friendly
 - ❖ Good engine technology
 - ❖ Fuel cost (short payback)

Maritime Applications

Chart's Solution for Marine

- LNG Satellite Storage, Offload, and Bunkering Systems.
- On-Board fueling systems –
 - Above or below deck
- Pipeline systems
- Offload Fueling solutions
- *Chart Europe is world leader in marine applications. Experience from those projects has been transferred globally utilizing team participation across sites.*



Railroad Applications

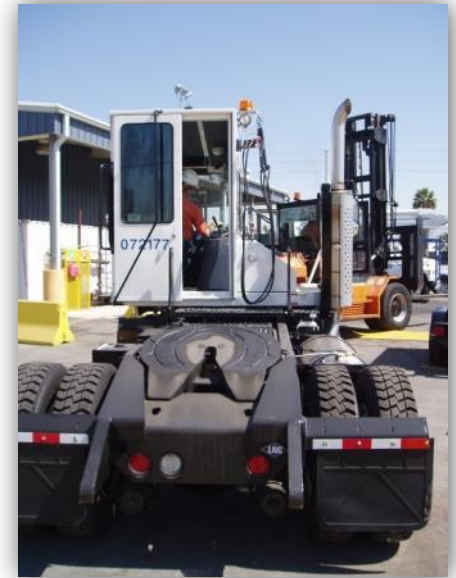
- ❖ 24,000 locomotives consume approximately 4 billion gallons of diesel per year
- ❖ 20+ years ago, Chart pioneered LNG solutions for the North American railroad industry to provide the ability to use Natural Gas on long haul locomotives and yard switch engines.
- ❖ Major rail companies reinitiating field trials
- ❖ Engine manufacturers in development to support full scale deployment within 2 years



Railroad Applications

Providing

- Tender cars
- Rail cars
- Fueling/bunkering solutions
- Load facilities



Industrial Applications

- ❖ A large assortment of industrial applications exist which burn expensive, dirty fuels and can take advantage of low cost, abundant natural gas
 - Asphalt production
 - Agricultural production
 - Standby power generation
 - Industrial boilers



Asphalt Plant



Grain Dryer



Industrial Boilers



Mobile Boiler

Why Chart.

The CHART logo, consisting of the word "CHART" in a serif font inside a blue oval with a white border and a registered trademark symbol.

why now.

Chart – The best value in Cryogenic Equipment and Cryogenic Engineered Systems

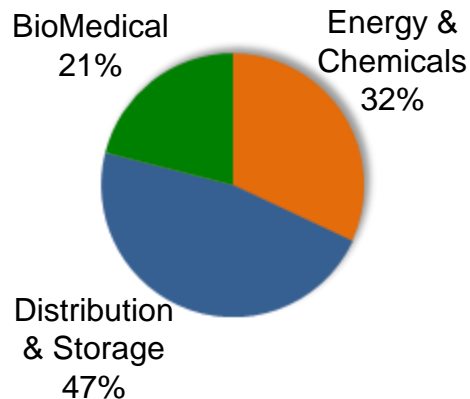
Company Overview



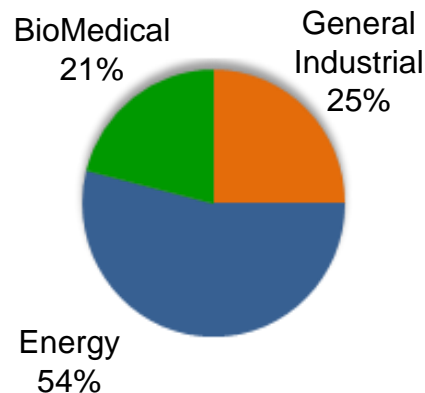
Chart Industries is a leading provider of highly engineered cryogenic equipment for the hydrocarbon, industrial gas, and biomedical markets

- ❖ Technology leader that provides high-end equipment to the energy industry, which is the largest end-user of Chart's products
- ❖ One of the leading suppliers in all primary markets served
- ❖ Global footprint for our operations on four continents with approximately 4,900 employees
- ❖ More than half of sales outside the U.S. and more than half made to the energy markets

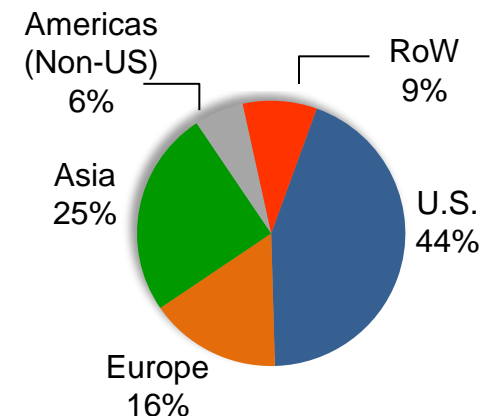
FY 2012 Sales by Segment



FY 2012 Sales by End-User



FY 2012 Sales by Region



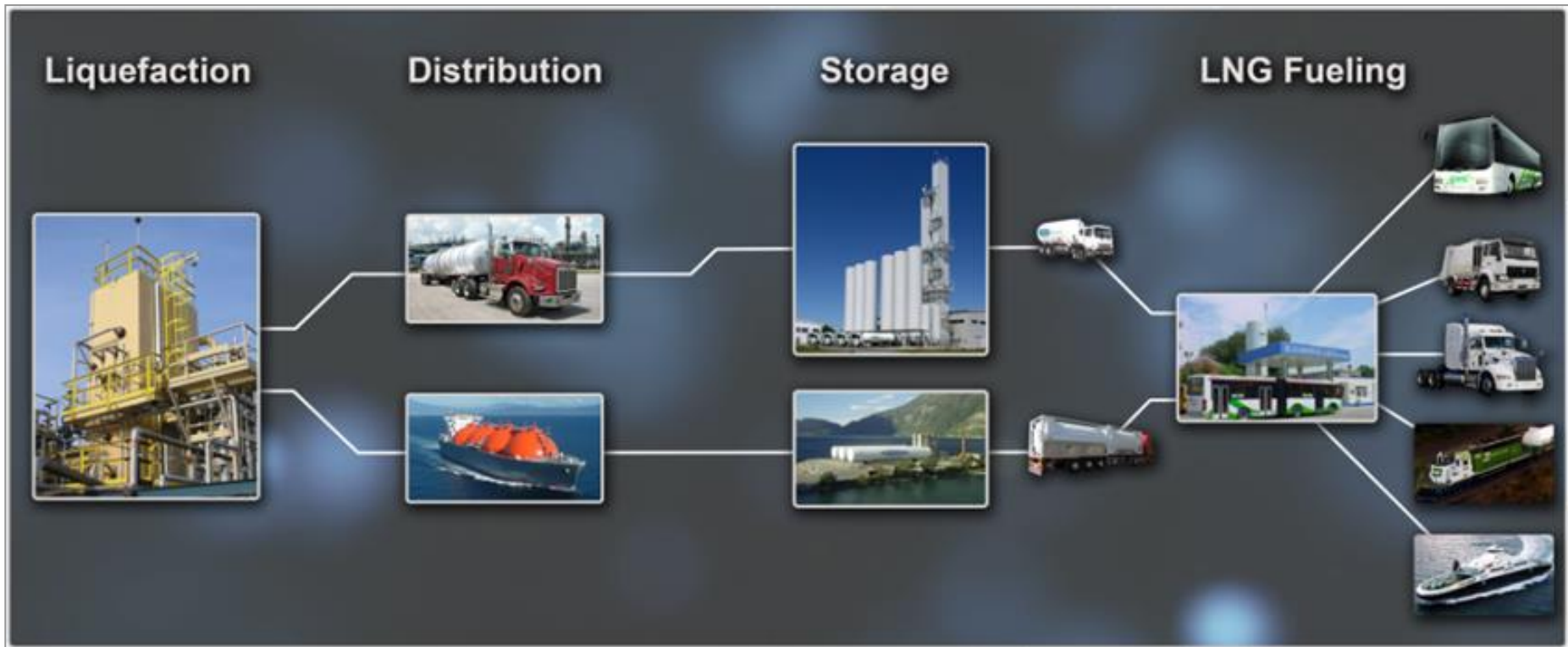
Innovation. Experience. Performance.®

LNG Value Chain



Chart – the industry’s unrivaled integrated supplier and worldwide leader in liquefied natural gas (LNG) equipment for the transportation and energy industries.

As the only company to address the **entire LNG Value Chain** – liquefaction, distribution, storage and end-use – we bring more than 40 years of experience in LNG solutions to our customers, facilitating the use of a clean-burning, safe fuel alternative to diesel into your future.



Innovation. Experience. Performance.®

Chart's U.S. Engineering and Manufacturing Facilities



New Prague, MN

- **Size:** 375,000+ sq. ft.
- **# Employees:** 400+
- **Function:** Design and manufacture LNG fuel stations



Owatonna, MN

- **Size:** 75,000 + sq. ft.
- **# Employees:** 75+
- **Function:** Manufacture mobile equipment

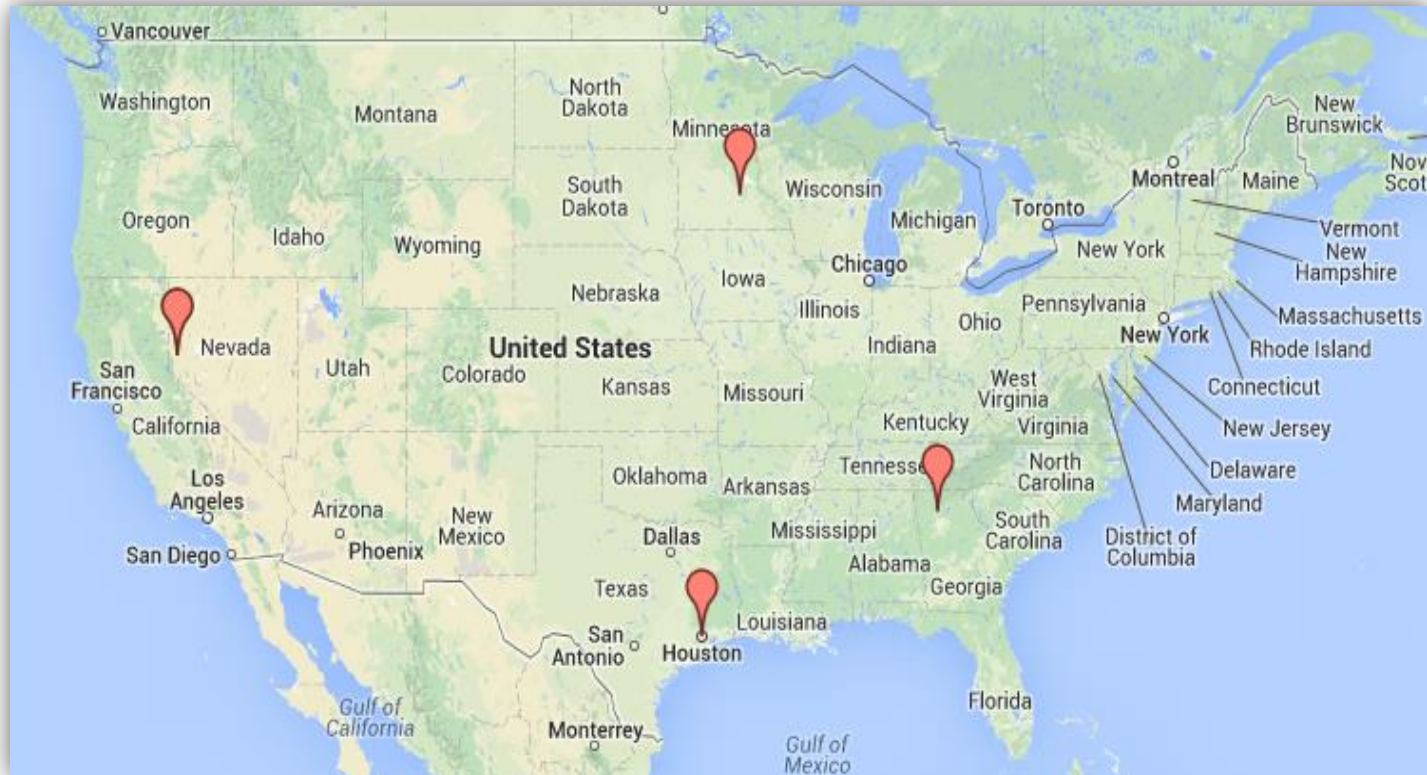


Canton, GA

- Size:** 156,000 sq. ft.
- # Employees:** 300+
- Function:** Manufacture on-board LNG vehicle fueling systems



Repair/Service Facilities



- New Prague, MN
- Houston, TX
- McCarran, NV
- Canton, GA
- 1-800 838 0856

Innovation. Experience. Performance.®

Full Service Accountability



- **Logic Controlled:** HMIs designed to fit specific application with remote view/control capability
- **Training:** Hands-on, classroom training on cryogenics, the entire equipment package and final inspection/safety review before startup
- **Startup & Commission:** Support from first fill to fine tuning system

Innovation. Experience. Performance.®

A Legacy of Innovation



Chart has the world's foremost experts in engineering LNG fueling systems

Innovation. Experience. Performance.®

Chart's LNG Pedigree



- ✓ *In-house design and manufacturing of key equipment*
- ✓ *Over 500 BAHX in LNG service*
- ✓ *Over 60% of world LNG liquefaction capacity installed and under construction since 2006 features BAHX*
- ✓ *80% of China LNG liquefiers use Chart BAHX and Cold Boxes*
- ✓ *Over 100 Chart LNG fueling stations installed*
- ✓ *Over 10,000 LNG vehicle tanks in service*
- ✓ *Design and manufacture of the world's largest shop built LNG storage tanks (1,000 m³)*

Chart is There



LNG Value Chain

Liquefaction



Distribution



Storage



End Use



Liquefaction, distribution, storage, and end use

The opportunities are vast and Chart is there:

- LNG production plants
- LNG storage capacity
- LNG fueling stations
- LNG powered vehicles
- LNG powered ships
- LNG powered drilling rigs
- LNG powered railcars
- ... and more

Innovation. Experience. Performance.®

Thank You



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Chart LNG Conversion Calculator App



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