



Natural Gas for High Horsepower

SUMMIT

October 27-29, 2015

Dallas, Texas

Kay Bailey Hutchison Convention Center

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WELCOME

On behalf of Pivotal LNG, I would like to welcome you to the 2015 H&P Summit in Dallas. We believe events such as H&P present an invaluable opportunity to meet with other industry leaders and share experiences that collectively will help move us toward a more secure and environmentally responsible energy future through the use of alternate fuels.

As you probably know, Pivotal is one of the largest producers/marketers of LNG and is committed to expanding the use of LNG as an alternative fuel. We continue to invest capital in the Southeast to supplement AGL's existing portfolio of LNG supply, thus increasing the availability of LNG and addressing the "uncertainty of supply" concerns we hear from some potential LNG customers. LNG demand continues to grow despite the drop in oil prices, and LNG is now being utilized in a variety of applications, including transportation, power generation and other high horsepower applications. Increasing environmental restrictions continue to make LNG a prudent alternative as it produces lower emissions than the use of petroleum-based fossil fuels.

As we will learn during this Summit, the use of LNG as a substitute fuel is inching as new technologies and applications emerge. The unprecedented growth in the domestic supply of natural gas continues to drive innovation, and we are seeing the results firsthand. Pivotal LNG business has grown rapidly since the 2012 Summit, and we anticipate demand of LNG to continue to increase for years to come.

Pivotal LNG is proud to be a presenting sponsor of H&P's program again this year. We hope you will visit our booth (#303) so we can explore your specific situation and how we would implement an LNG solution that meets your needs.

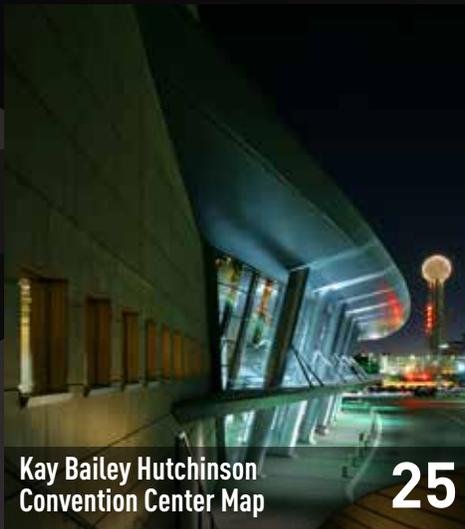
Sincerely,

Steve Ottadine
 President
 Pivotal LNG

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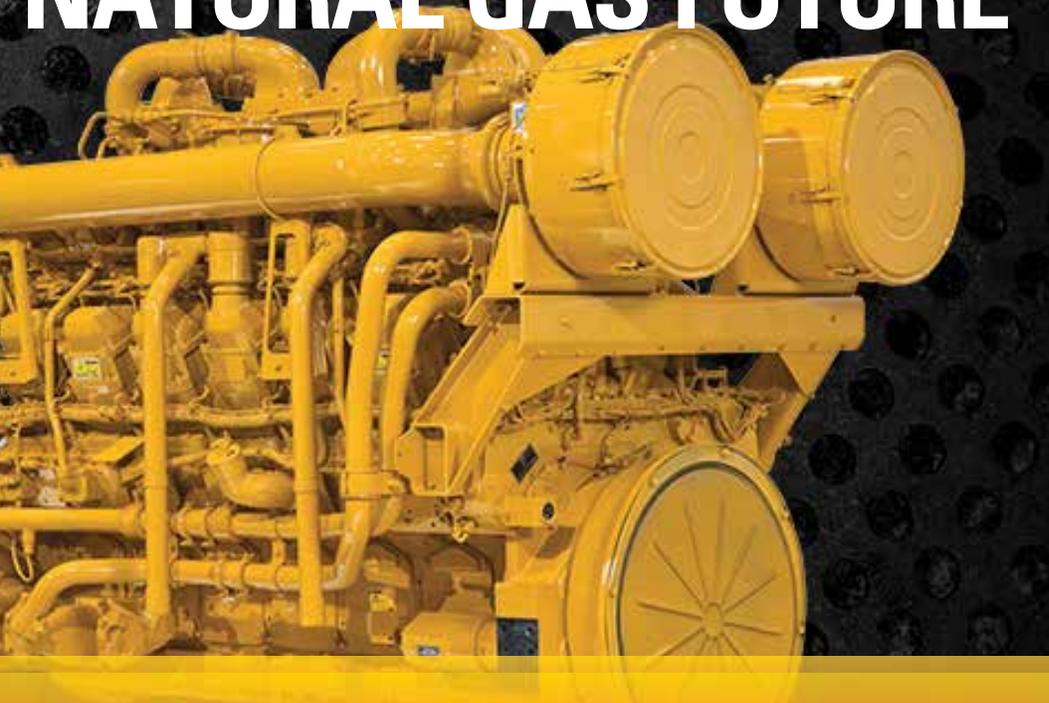


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HHP 2015 Customers and Industry Partners,

On behalf of Caterpillar I welcome you to this year's Summit and thank you for joining us. We're excited about the agenda for the next two days because we feel strongly that natural gas is of critical importance to our individual and shared futures. I'm confident the discussions we have at the event will underscore this perspective and will help us, collectively and individually, understand what we can do to make a bright future for natural gas a reality.

We're optimistic about the long-term potential of natural gas because the underlying economics are solid. Yes, we'll experience volatility. We've come to accept this as a condition of participating in energy markets. This doesn't diminish our commitment to do our part to grow the ecosystem for natural gas. We are continuing to invest in new products that deliver the performance and value our customers expect and deserve. I know many of you are also investing in natural gas technologies, infrastructure, supply chain, and applications. I herald your commitment and look forward to learning more about your progress, and the progress of the industry as a whole.

Together, we're creating a vision for how to bring the full promise of natural gas to life. Our conversations over the next two days will more firmly implant that vision in our minds and define actions each of us can take to help make that vision a reality.

Thank you, again, for being part of this important Summit. Please take time to visit the Caterpillar booth and introduce yourself to our product experts. We have a great story to tell about our commitment to gas and our customers' success, and we are anxious to share it with you here.

Warm Regards,

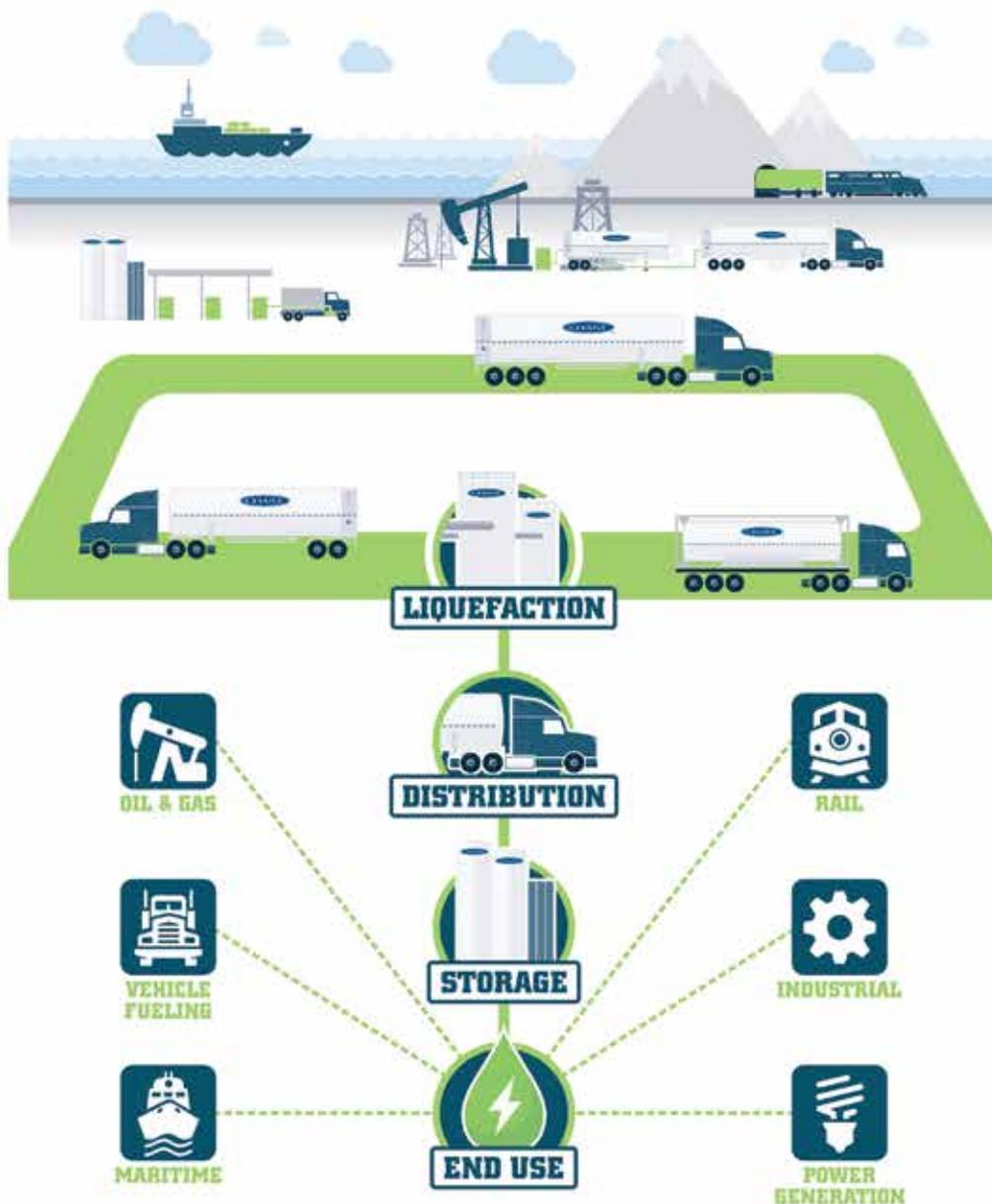
A handwritten signature in black ink, appearing to read "Tana Utley".

Tana Utley
Caterpillar Vice President
Large Power Systems Division





LNG VALUE CHAIN





Dear Conference Participants

On behalf of Chart Industries, I'm delighted to welcome you to the 2015 High Horsepower Summit in the city of Dallas, founded on a rich oil and gas history. This city continues to be the home of many companies that are directly related to each of our businesses. For years, industry leaders have stated that the transformation and use of natural gas as a dominant fuel source started because of the nearby Barnett Shale play. In its early years, which were not so long ago, the Barnett was instrumental to the development of horizontal drilling, fracking and standardized production equipment. As an industry, we continue to use and take those early concepts to the next evolution. Today, we look to expound on the success of these production techniques to produce abundant, clean burning and affordable natural gas as a fuel substitute to traditional oil based products.

Building towards that next evolution is this week's High Horsepower Summit, the fourth since its inception in 2012. Despite the current oil prices and the resultant business environment we are currently facing, we must remind ourselves just how far the natural gas for fuel industry has come in such a short time. We are far from what this industry will ultimately achieve in terms of fuel substitution, and as proof over the past four years, we have converted numerous high horsepower applications, including oil and gas drilling, marine, rail, mining, marine, power generation, on-road transportation, agriculture, industrial and pressure pumping services. All of which are enjoying both the economic and environmental benefits afforded by this safe, clean burning fuel.

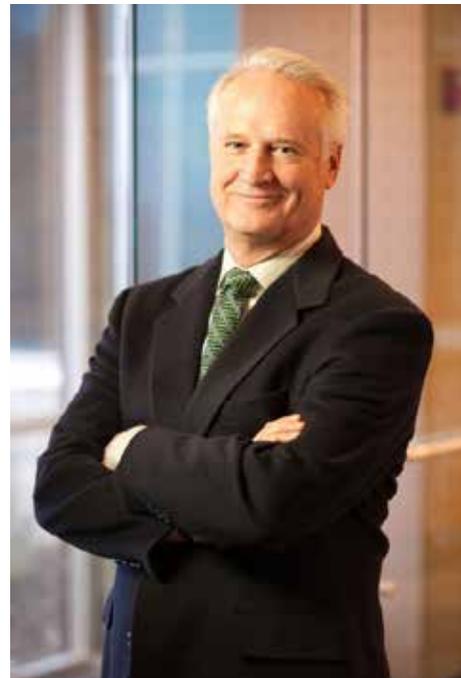
Since we last met in New Orleans the air around the port of Hamburg, Germany is cleaner thanks to Hummel, a hybrid barge using LNG to generate electric power for cruise ships while they're docked. The Stabilis small-scale liquefaction plant in George West, TX produced its first fuel for multiple applications in the Eagle Ford shale; and LNG fueled generator sets will enable Stornoway's Renard diamond mine to reduce both operating costs and environmental emissions. These are all examples of LNG being used as a substitute for diesel in high horsepower applications, and all utilizing Chart technology and equipment.

Chart remains fully committed to the natural gas revolution and its increasingly prominent role in the global energy mix. We look forward to renewing old acquaintances and making new ones during this week and, above all, exchanging and exploring ideas with visionaries who share Chart's passion for natural gas.

Enjoy the conference.

Sincerely,

Sam Thomas
Chairman, CEO and President
Chart Industries, Inc.





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Pivotal LNG is proud to be a presenting sponsor of HHP's program again this year. We hope you will visit our booth (#503) so we can explore your specific situation and how we would implement an LNG solution that meets your needs.

Sincerely,

Steve Cittadine

President
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Welcome to Dallas and the 2015 High Horsepower Summit. We are thrilled to have you here.

It has certainly been an interesting 12 months since we last convened in New Orleans! If you had told me then that oil would trade around \$50 a barrel for the next year, I would have waited for the punch line. Unfortunately there is no punch line and the market has weathered a difficult storm during this time. However, we continue to see incredible resiliency in the market and a tremendous amount of positive activity.

Several new LNG production plants have come on line in the last year and several more will commence operations in the next 12 months. With a robust supply of fuel, the market can now begin to grow. The North American market for LNG marine fuel has transitioned from zero vessels running on LNG to several vessels running on natural gas daily with significant growth expected to continue in the near term. The natural gas rail and mining sectors have continued to advance at a steady pace and new developments and announcements are expected. We have seen incredible innovation and growth in a variety of off-pipeline industrial applications using innovative supply chains to deliver natural gas for heat and power and expect considerable growth in these markets in the year to come. Meanwhile, as production in the oil and gas patch has decreased dramatically in the last year, natural gas-powered drill rigs and pressure pumps have remained in service, helping the industry to reduce operating costs in an otherwise tight environment. In each market segment, we are seeing growth and opportunity, a storyline that will continue here at the HHP Summit and in the year ahead.

While this last year has served as a stress test for our industry, we have seen an incredible response from everyone working in this market every day. We have all sharpened our focus and our pencils and have figured out how to deliver more value and better performance to the end-user. As oil prices rebound to an expected range of \$65 to \$80 a barrel, and with natural gas expected to remain in the \$3.00 to \$4.00 per MMBTU range for the long term, our industry will undoubtedly be significantly better positioned to take advantage of the 30 to 50 percent fuel cost savings that can be delivered to the customer.

As I have said repeatedly in the months leading up to this year's show, it does not matter what the price of petroleum diesel is today. The real question is, what will be the price of petroleum diesel in 2020, 2025, and beyond? For industries that buy assets with 20-, 30-, or 40-year lives, we must think strategically and long-term.

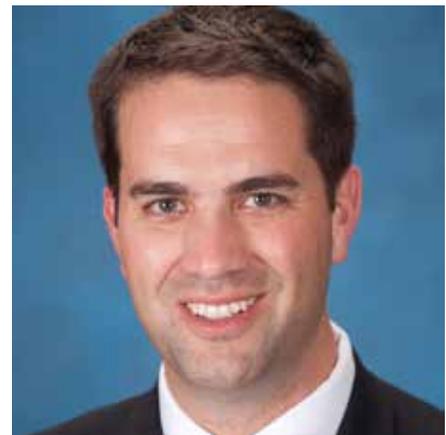
Over the next several days, we will hear more about the long-term business case for natural gas in the HHP sector and about an array of incredible success stories taking place in the market every single day. As is the case every year, we have worked with our presenting sponsors—Caterpillar, Chart and Pivotal LNG—our other industry sponsors and exhibitors, and leaders from throughout the industry to assemble an HHP Summit program that is timely, relevant, and provides value to each of our attendees. We have case studies and speakers from literally all over the globe here to talk about their projects, their technology, and their efforts to advance and drive growth within the natural gas HHP sector. The finely-tuned programming is an excellent complement to the impressive array of technology, innovation, and customer-focused companies being represented on the trade show floor.

We are thrilled to be back in Texas, the heart of the North American energy economy. We are pleased you have arrived at the HHP Summit and look forward to spending the next couple of days with y'all. On behalf of planning committees, event partners, speakers, endorsing organizations, media partners, and the extensive list of sponsors and exhibitors, I offer our sincere welcome and a heartfelt thank you for your participation.

See you on the show floor!



Erik Neandross
Chief Executive Officer
Gladstein, Neandross & Associates



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OFFICE OF THE GOVERNOR**

Greetings:

As Governor of Texas, I am pleased to welcome you to Dallas and the High Horsepower Summit.

Our state is blessed with plentiful natural resources, home to rich oil reserves, abundant shale plays and a variety of alternative energy projects. Thanks to our thriving economy, Texas also consumes more energy than any other state. As such, it is vital that we continue exploring ways to strengthen the energy industry as our state continues to grow and our nation strives for energy independence. As you gather to discuss the future of natural gas in your organizations' operations, I commend you for your commitment to innovation.

To those from out of town, welcome to Texas! Dallas is renowned for its many attractions. From the best in professional sports to excellent Texan fare and an array of cultural activities, this vibrant area has something for everyone. I encourage you all to explore and enjoy.

First Lady Cecilia Abbott joins me in sending best wishes for a successful event.

Sincerely,

A handwritten signature in black ink that reads "Greg Abbott".

Greg Abbott
Governor

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October 27, 2015

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MICHAEL S. RAWLINGS

MAYOR



CITY OF DALLAS

October 2015

Greetings,

As mayor of Dallas, it is my pleasure to welcome the High Horsepower (HHP) Summit, held October 27-29, 2015 at the Kay Bailey Hutchinson Convention Center.

Since its inception, the HHP Summit has served as the official meeting place of high horsepower industry stakeholders to discuss the opportunities and challenges offered by natural gas in high-fuel use operations.

We are pleased that your organization chose the city of Dallas to conduct its national meeting and I welcome each of you! As you descend upon Dallas for your national conference, I encourage each of you to enjoy our beautiful city and its diversity of things to do and see. I hope that you will discover why we love to call Dallas home.

On behalf of the citizens of Dallas, we wish you the best for a memorable, joyous and successful convention.

Best regards,

A handwritten signature in black ink, appearing to read "Michael S. Rawlings".

Michael S. Rawlings
Mayor

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JOHN CORNYN
TEXAS

United States Senate

WASHINGTON, DC 20510-4305

October 27, 2015

High Horsepower Summit

Dear Friends:

It is my pleasure to send my greetings as you gather for the 2016 High Horsepower Summit (HHP) in Dallas, Texas.

I understand this will be the largest conference and expo on the use of natural gas to fuel HHP applications in North America. Texas has long been a leader in energy technologies, and I hope you enjoy your time and experiences in Dallas.

I send my best wishes for a productive event.

Sincerely,

A handwritten signature in blue ink that reads "John Cornyn". The signature is written in a cursive, flowing style.

JOHN CORNYN
United States Senator



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Eddie Bernice Johnson
Congress of the United States
30th District, Texas

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October 27th 2015



Greetings:

It is with a tremendous sense of appreciation and gratitude that I welcome the participants in the 2015 HHP Summit to Dallas. Your presence reflects your interest in the safe growth of our nation through visionary technologies that your industry has helped to pioneer, and continues to utilize and promote.

Your forward thinking business practices and your high regard for the well-being of people is recognized and widely appreciated. As a nation we shall continue to be successful in developing our infrastructure needs with people such as you playing an essential role as we move forward.

I am hopeful that your time together will be fruitful, and that you will continue to set high standards for your industry that others can emulate. Enjoy your time together as you continue to work towards prudent solutions and strategies.

Sincerely,


Eddie Bernice Johnson
Member of Congress

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Senator Royce West
District 23
President Pro Tempore
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Dear High Horsepower (HHP) Summit Attendees:

A heart-felt welcome is extended to you from the City of Dallas, Texas Senatorial District 23, and the great State of Texas as you convene for your fourth High Horsepower (HHP) Summit.

I implore you to enjoy your visit to the great state of Texas and extend to you Dallas' unique brand of hospitality and more specifically, full access to a service-centered city that is home to more than 1.2 million citizens, some 450,000 households, hundreds of fine dining establishments, marvelous places to shop, and poised for growth.

I applaud the dedication and continued efforts of the HHP Summit organizers who have worked to bring together a network of over 1500 HHP and natural gas stakeholders for this year's conference. It is my sincere desire that the HHP Summit affords you every opportunity to identify ways to improve environmental performance, significantly reduce fuel costs, and increase public awareness of clean alternative fuels.

Again, we are pleased to have you join us in Dallas and best wishes for a successful and enjoyable experience during your stay!

Sincerely,

Royce West
State Senator
District 23



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MORGAN MEYER
HOUSE OF REPRESENTATIVES

DISTRICT 108

September 10, 2015

Dear Conference Attendees:

As the State Representative for House District 108, it is my pleasure to welcome all attendees of the 2015 Natural Gas for High Horsepower Summit to Dallas and the district I represent.

During your stay, I know you will be busy learning about the exciting developments in your industry, growing your business, and connecting with people from around the world who share your passions and goals. However, I hope you also take time to explore the wonders of our city. In addition to world class dining and shopping all across the city, Dallas has exceptional offerings in history, culture, and the arts.

- *History* – My district has the great honor of being the home of the George W. Bush Presidential Center at Southern Methodist University – Five presidents and nearly 9,000 visitors worldwide attended this venue’s debut in 2012.
- *Entertainment* – Thirteen entertainment districts are located in and near downtown, from historic Deep Ellum, Main Street and Bishop Arts districts, to Knox-Henderson, uptown, and Greenville Avenue. All have their unique history, customs and cuisine that contribute to our diverse culture.
- *Arts and Culture* – The Dallas Museum of Art, Nasher Sculpture Center, Crow Collection of Asian Art, Myerson Symphony Center, AT&T Performing Arts Center, Perot Museum of Nature and Science, and Klyde Warren Park are all located in the nation’s largest urban arts district. Dallas is also home to the largest collection of Spanish art outside of Spain at the Meadows Museum. Additionally, we hope you’ll visit the beautiful Dallas Arboretum set on more than 60 acres at White Rock Lake- the Southwest’s largest floral display.

Again, welcome to Texas and Dallas. I extend best wishes for a successful and exciting conference. I know you will look back and remember Dallas as a great place to hold the Natural Gas for High Horsepower Summit.

Sincerely,

A handwritten signature in black ink, appearing to read "Morgan Meyer".

Morgan Meyer

State Representative
House District 108

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Ernest N. Morial Convention Center Map

LEVEL 2 EXHIBIT



ELEVATOR



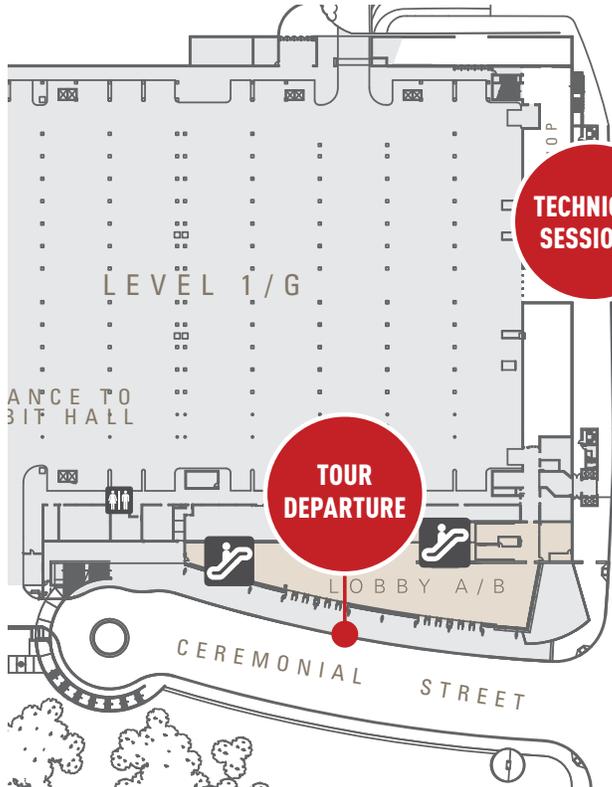
RESTROOMS



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LEVEL 1 GROUND

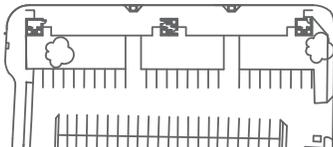
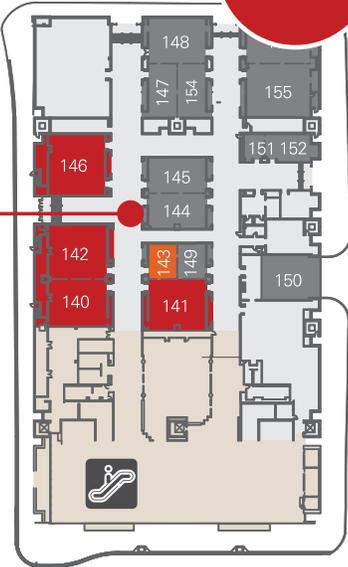


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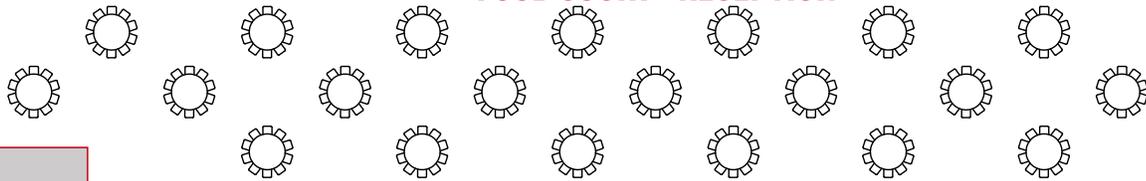
TECHNICAL SESSIONS



Expo Hall and Exhibitors



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ENTRANCE

REGISTRATION LOBBY

Expo Hall Schedule

Wednesday, October 28

12:00 noon - 3:00 p.m.
4:30 p.m. - 6:30 p.m.

Expo Hall Grand Opening & Luncheon, sponsored by GNA
Networking Reception in the Expo Hall



Thursday, October 29

8:00 a.m. - 9:00 a.m.
12:15 p.m. - 3:00 p.m.

Continental Breakfast in the Expo Hall, sponsored by Air Liquide
Networking in the Expo Hall



Exhibitors

Booth

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Ferus	323	Thipgen Energy	101
FIBA Technologies	307	Trinity Cryogenics, LLC.	827
FNX LNG Solutions LLC	530	W&O Supply, Inc.	727
Galileo	324	Worldwide Power Products	719
GE Power & Water	533	Worthington Industries	315

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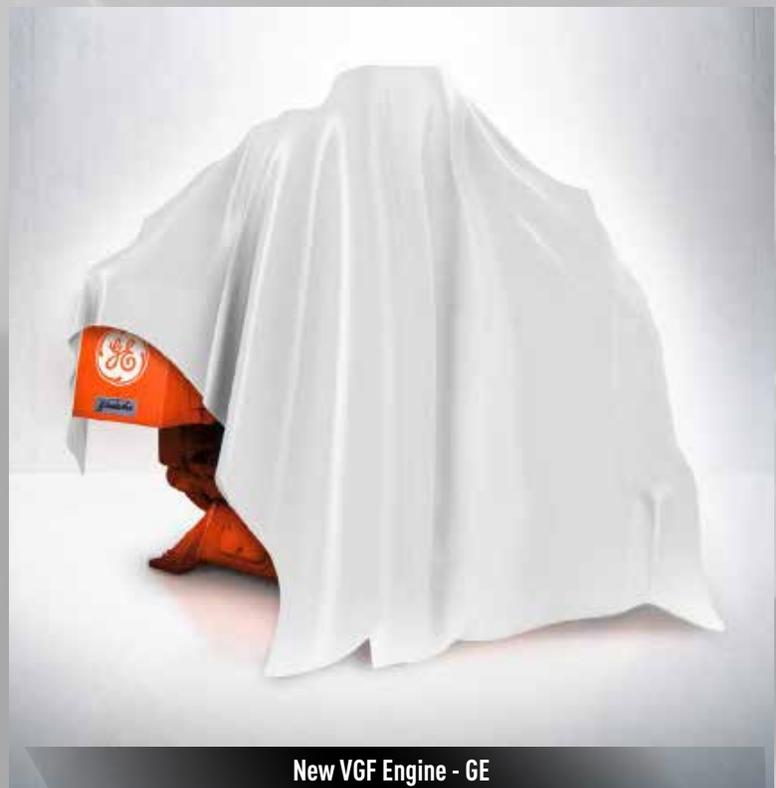
Transport Trailer – Trinity Cryogenics



LNG Mobile Regasification Trailer – Thigpen Energy



LNG Cryogenic Transport Trailer – Allied Cryo Technologies / Dragon Products



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Agenda Overview

TUESDAY, OCTOBER 27

11:00 a.m. | OFF-SITE TOUR

APPLIED LNG

Applied LNG Midlothian Plant Ribbon Cutting and Technical Tour

3:00 p.m. | TECHNICAL WORKSHOP

gna GLADSTEIN, NEANDROSS & ASSOCIATES

A Closer Look at Methane: From Production to Point of Use

3:00 p.m. | TECHNICAL WORKSHOP

ferus Natural Gas Fuels

Leveraging Existing LNG Assets to Grow the Market

3:00 p.m. | TECHNICAL WORKSHOP

anga Americas Natural Gas Alliance

Critical Path Issues for the North American LNG Marine Market

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-  Marine
-  E&P operations
-  Rail
-  Mining
-  Power generation

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WEDNESDAY, OCTOBER 28

9:00 a.m. | GENERAL SESSION

Summit Welcome

9:10 a.m. | GENERAL SESSION

Opening Address

9:30 a.m. | GENERAL SESSION

CATERPILLAR

Executive Roundtable: The Voice of the Customer

10:30 a.m. | GENERAL SESSION

Pivotal LNG An AGL Resources Company

Executive Roundtable: Building for the Long Haul

11:30 a.m. | GENERAL SESSION

TOTE

Keynote Address

12:00 noon

gna GLADSTEIN, NEANDROSS & ASSOCIATES

Expo Hall Grand Opening & Luncheon

3:00 p.m. | TECHNICAL SESSION 1.1



The North American LNG Marine Market has Launched

3:00 p.m. | TECHNICAL SESSION 1.2



Natural Gas for Remote Power Generation: A Global Phenomenon

3:00 p.m. | TECHNICAL SESSION 1.3



Updates and Progress in the North American Natural Gas Rail Market

3:00 p.m. | TECHNICAL SESSION 1.4



Staying Profitable by Reducing E&P Operating Costs in a Tight Market

4:30 p.m. - 6:30 p.m.

Reception in the Expo Hall

THURSDAY, OCTOBER 29

8:00 a.m.

AIR LIQUIDE GLOBAL GAS SOLUTIONS

Continental Breakfast in the Expo Hall

9:00 a.m. | GENERAL SESSION

Opening Remarks

9:20 a.m. | GENERAL SESSION

CHART

Executive Roundtable: Building Regional Customer Density and Market Diversification

10:30 a.m.

Networking Break

10:45 a.m. | TECHNICAL SESSION 2.1



Lessons Learned from the International LNG Marine Market

10:45 a.m. | TECHNICAL SESSION 2.2



Logistics and Management of Innovative Natural Gas Supply Solutions

10:45 a.m. | TECHNICAL SESSION 2.3



Mining for Savings: Increased Use of Natural Gas in Mining Operations

12:15 p.m.

Networking in the Expo Hall

2:30 p.m. | TECHNICAL SESSION 3.1



DNV-GL

An Update on LNG Marine Bunkering

2:30 p.m. | TECHNICAL SESSION 3.2



Natural Gas for Burner Tips, Utilities, and Off-Pipeline Industrial Applications

2:30 p.m. | TECHNICAL SESSION 3.3



Key Considerations for Future E&P Market Growth

2:30 p.m. | TECHNICAL SESSION 3.4



Moving Natural Gas Rail Down the Tracks

3:00 p.m.

Expo Hall Closes

4:00 p.m.

Summit Ends

Agenda

TECHNICAL WORKSHOP

GENERAL SESSION

TECHNICAL SESSION

NETWORKING EVENT

TUESDAY, OCTOBER 27

11:00 a.m. - 2:30 p.m.

OFF-SITE TOUR

Applied LNG Midlothian Plant Ribbon Cutting and Technical Tour

Sponsored by 
APPLIED LNG

Join Applied LNG for a unique visit to celebrate the opening of its Midlothian LNG Plant. Following the facility's official ribbon cutting, attendees will receive a tour of the brand new plant and a hosted lunch. Be among the first to see the facility's initial liquefaction train and the site's six LNG storage tanks. The plant will have 300,000 gallons of storage capacity, which will eventually reach 1.5 million gallons when the facility is fully built out. LNG produced onsite will be used by on- and off-road customers across Texas, Louisiana, Arkansas, Oklahoma, and New Mexico.

3:00 p.m. - 5:00 p.m.

TECHNICAL WORKSHOP

A Closer Look at Methane: From Production to Point of Use

Presented by  GLADSTEIN,
NEANDROSS
& ASSOCIATES

As the market for natural gas fuel in a variety of high horsepower applications continues to grow, so too does focus and attention on the fuel itself—methane. While methane fuel provides significant environmental and economic advantages to end-users, it is a greenhouse gas, and stakeholders throughout the supply chain are keenly aware of the financial and economic impacts of inadvertently releasing the fuel into the atmosphere. This workshop will highlight a number of studies, technologies, SOPs, and other efforts that are being made to reduce the release of methane within the supply chain—from the production of the gas to transmission, and through to the point of end-use. This workshop will focus on "big picture" national efforts to look at methane, and will provide specifics for various HHP sectors, especially marine, rail, and E&P operations.

MODERATOR: **Patrick Couch**, Project Director, Gladstein, Neandross & Associates

Ian Laurenzi, Advanced Research Associate, Exxon Mobil Corporate Strategic Research
From Well to Transmission: A Life Cycle Analysis of Methane

Scott Hartman, Downstream LNG Application Specialist, Shell

The Environmental Benefits of High Horsepower Marine Vessels: A Well to Wake and ECA Analysis of LNG and Diesel

Chris Underwood, Project Manager/Engineer, MAN Diesel & Turbo
Marine LNG, from Tank to Propulsion with ME-GI

Agenda

3:00 p.m. - 5:00 p.m.

TECHNICAL WORKSHOP

Leveraging Existing LNG Assets to Grow the Market

Presented by  **Ferus**
Natural Gas Fuels

Though it is a relatively recent fuel option for the transportation market, LNG use in North America is not a new phenomenon. Historically, LNG production infrastructure has been located at utility peakshave operations, merchant plants, and import/export terminals. To leverage additional value from these important assets, facility owners and operators have begun to progressively expand their use to meet the fueling needs of companies using natural gas to power on- and off-road equipment, as well as a variety of other regional stationary high horsepower applications. Utilities in particular have taken advantage of this opportunity to expand into new developing markets. To leverage existing LNG production and storage assets to accommodate these new users, a number of regulatory, technical, and operational considerations must first be addressed. Once these issues are managed, existing facilities can provide an important short-term LNG fuel supply solution to these growing markets. Not only can they deliver fuel to the market on an almost immediate basis, but they can provide a reliable and robust supply of that fuel in an interim period while a larger, dedicated LNG production facility is constructed. This workshop will showcase several success stories and facilities that are now contributing to the growth of these markets and provide critical knowledge, information, and insight to stakeholders looking to leverage existing LNG production assets to grow regional natural gas HHP market sectors.

MODERATOR: Bill Wells, Director, HHP & Utility Markets Eagle LNG Partners

Aaron Johnson, Vice President, Corporate Development, Citizens Energy Group / Kinetrex Energy
Navigating Utility Commission Approval for LNG Offtake and Third Party Sales

David Jaskolski, Senior Account Manager, Pivotal LNG / AGL Resources
Leveraging Multiple LNG Assets to Build a Robust LNG Market and New LNG Production

Kevin Markey, Director of Natural Gas Fueling Solutions, GP Strategies
Trailer Loading Facilities and Critical LNG Infrastructure for HHP Applications

Louis James, Director, Business Development, UGI Energy Services LLC
UGI Energy Services – LNG Asset Evolution

3:00 p.m. - 5:00 p.m.

TECHNICAL WORKSHOP

Critical Path Issues for the North American LNG Marine Market

Presented by  **anga**
America's Natural Gas Alliance

Though the North American marine sector has made significant strides in the transition to cleaner burning, domestic natural gas, there are still key barriers in place that limit market adoption going forward. In order to surpass these challenges, logistical and regulatory roadblocks must be overcome, including designing and revising regulation to better address key issues like LNG tank placement, simultaneous operations, ISO standards for bunkering, and other midstream logistics considerations to ensure the smooth adoption of LNG in North American marine operations. Listen in as industry experts, government agencies, and leading end-users address these critical path issues to drive LNG marine market growth.

MODERATOR: Charlie Riedl, Director of Transportation & Equipment, America's Natural Gas Alliance

Joseph McKechnie, LNG Project Manager, Moran Towing
An End-User's Perspective: Key Needs and Issues for Brownwater LNG Operations

Jan Andersen, Director of Business Development Solutions, DNV GL Maritime Advisory
LNG as a Fuel – Harmonization of Requirements, Standards, and Regulations

Trey Hartstern, Project Manager LNG Marine Fuel Americas, Shell Trading US
Supplier Interest in Efficient Delivery; SIMOPS for Marine Application

Ken Smith, Office of Design and Engineering Standards, Facilities and Vessel Operations Requirements, US Coast Guard
Regulations and Considerations for LNG as a Marine Transportation Fuel

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WEDNESDAY, OCTOBER 28

9:00 a.m. - 9:10 a.m.	<p>Summit Welcome</p>
9:10 a.m. - 9:30 a.m.	<p>GENERAL SESSION Opening Address</p> <p>Tana Utley, Vice President Large Power Systems Division, Caterpillar</p>
9:30 a.m. - 10:20 a.m.	<p>GENERAL SESSION Executive Roundtable: The Voice of the Customer</p> <p><i>There is no better way to kick-off the HHP Summit than to hear directly from customers considering and investing in natural gas power as a means to reduce fuel costs and the environmental impacts of their operations. Executive leadership from companies expanding the use of natural gas in the marine, locomotive, mining, and E&P industries will join us to provide the "voice of the customer" and to explore the key considerations necessary to develop a successful natural gas project, while ensuring the sustainability of these operations. Despite the upfront investment such a venture will require, the long-term nature of their assets means that operators can see significant lifetime cost savings and numerous benefits for their respective companies. However, to realize these gains, key project criteria must be established up front to reduce risk, ensure seamless operations, achieve operational reliability and redundancy, and provide a high level of certainty on economic payback and regulatory considerations. Hear from executive leaders from various end-user segments as they provide their perspective on these critical components required for successful project development and their goal and strategies to achieve the benefits natural gas can provide in these operations.</i></p> <p>Sponsored by CATERPILLAR</p> <p>MODERATOR: Tana Utley, Vice President Large Power Systems Division, Caterpillar George Piccioni, Director Business Development, AEP River Operations Mark Schulze, Vice President Safety, Training, and Operations, BNSF Railway Company Christian Buelow, Christian Buelow, General Manager Downstream LNG Americas, Shell LNG</p>
10:30 a.m. - 11:30 a.m.	<p>GENERAL SESSION Executive Roundtable: Building for the Long Haul</p> <p><i>The price of petroleum today is irrelevant. The real question is: what will the price of petroleum products be in five years, ten years, and beyond? Most agree that the current oil price environment is likely short-lived and the longer term fundamentals of energy dictate a fuel price spread based upon \$65 to \$75 per barrel of oil and natural gas prices in the \$4.00 per MMBTU range. At these energy prices, fuel cost savings are still significant, potentially in the 30 to 50 percent range. High horsepower projects—particularly those incorporating the use of natural gas as a transportation fuel—are long-term investments, requiring years of foresight and planning for implementation. This session will focus on the numerous reasons why leading industry stakeholders are continuing to invest in natural gas technologies and infrastructure as a strategy for the "long haul." Senior executives from leading HHP projects will present the continued business case for transitioning away from diesel and toward natural gas, including anticipated current and future net savings, and timelines for profitability and return on investment.</i></p> <p>Sponsored by Pivotal LNG An AGL Resources Company</p> <p>MODERATOR: Erik Neandross, Chief Executive Officer, Gladstein, Neandross & Associates Pete Tumminello, Executive Vice President, AGL Resources / Pivotal LNG Aaron Bridges, Vice President of Sales and Marketing, Chart Energy & Chemicals Roger George, Vice President Global Compression Sales, GE Distributed Power Matthew Jackson, Vice President LNG Business Development, Crowley Maritime Corp.</p>
11:30 a.m. - 12:00 noon	<p>GENERAL SESSION Keynote Address</p> <p>Anthony Chiarello, President and Chief Executive Officer, TOTE, Inc. <i>Marine LNG: Bringing a New Fuel to Ships and Ports</i></p>  <p>Anthony Chiarello</p> 

Agenda

12:00 noon - 3:00 p.m.

Expo Hall Grand Opening & Luncheon

Sponsored by  GLADSTEN, HEARDROSS & ASSOCIATES

3:00 p.m. - Technical Session #1

3:00 p.m. - 4:30 p.m.

TECHNICAL SESSION 1.1

The North American LNG Marine Market has Launched



For the first time in North America, multiple LNG vessels are operating in US and Canadian waters. Leading marine operators will share the results of their LNG projects from this past year and their continued focus on natural gas marine deployments in the years ahead. Case studies will highlight preliminary operational data, technologies employed, and the bunkering strategies developed to launch the domestic LNG marine market.

MODERATOR: **Gregory Denton**, Business Development Manager, GTT North America

Chad Verret, Executive Vice President Alaska & LNG Operations, Harvey Gulf
A Report on the First Year of Operations

Ben Christian, Project Manager, TOTE
TOTE: Pioneering the Marine Use of LNG

John Hatley, Americas Vice President Ship Power, Wärtsilä North America, Inc.
Energy Nexus & LNG Fuel: The Marine Business Case

3:00 p.m. - 4:30 p.m.

TECHNICAL SESSION 1.2

Natural Gas for Remote Power Generation: A Global Phenomenon



An emerging bright spot in the current natural gas HHP market is the use of LNG and CNG to fuel remote power generation applications in areas that lack access to pipeline infrastructure. Operators from the Yukon to the Caribbean are turning to "virtual pipeline" solutions to deliver low-cost natural gas as an alternative to diesel fuel. In addition to fuel cost and environmental savings, natural gas is providing long-term price stability for these operators. End-users on this session will address the challenges, benefits, and considerations associated with the development of an off-pipeline natural gas remote power generation project.

MODERATOR: **Brent Haight**, Publisher, Diesel & Gas Turbine Publications

Andrew Hall, President and Chief Executive Officer, Yukon Energy Corporation
LNG Supply Chain Development & Challenges for Remote Power Generation

Tim Scott, Regional Sales Manager, North America, Caterpillar, Inc.
CAT Power for Off-Pipeline Energy Production

Randall Hull, Vice President of Business Development, Prometheus Energy
LNG Supply Chain and Logistics for Remote Power Production

Aaron Trexler, Product Line Director, GE Power & Water
GE Waukesha's Gas Engines - Delivering Power and Performance for E&P Operations

Agenda

3:00 p.m. - 4:30 p.m.

TECHNICAL SESSION 1.3 Updates and Progress in the North American Natural Gas Rail Market



In spite of the recent dip in petroleum prices, Class 1 and short-line railroads across North America continue to aggressively advance their efforts to demonstrate, test, and deploy natural gas-powered locomotives in their operations. Like the freight trains themselves, these efforts can be long and slow to get going given outstanding questions such as federal standards for natural gas tender cars. However, stakeholders hope that once these projects are on the tracks, the momentum will be hard to stop. Leading rail executives will provide details on their companies' natural gas locomotive project efforts and strategies, key lessons learned thus far, and important forward considerations critical for the growth of this market.

MODERATOR: **Scott Nason**, Product Manager – Railroad Product Group, Chart Industries

Mike Swaney, Director Operations Analytics, BNSF Railway
An Update on BNSF's LNG Journey

Martha Lenz, Director Engine Systems, Electro-Motive Diesel
Powering a Natural Gas Future for Rail

Graciela Trillanes, LNG Product Leader – Locomotive, GE Transportation
GE's Gas Power for Locomotives

3:00 p.m. - 4:30 p.m.

TECHNICAL SESSION 1.4 Staying Profitable by Reducing E&P Operating Costs in a Tight Market



With an array of economic, operational, and competitive challenges in today's market, it is more important than ever for E&P operators to find ways to increase efficiency and improve performance. In this session, industry leaders from the oil & gas sector will discuss how they are reducing costs via the use of LNG, CNG, and field gas in E&P operations. This discussion will give attendees the opportunity to become acquainted with the latest advances in natural gas-powered technology, key considerations for maximum diesel displacement, and strategies to decrease fuel costs in daily drilling and pressure pumping operations.

MODERATOR: **Alan Grosse**, Vice President, Oil & Gas, FlexGen Power Systems

Jared Oehring, Director of Technology, US Well Services
Mobile Gas Turbine Power Units: The Solution to Increasing Power Demand in the Growing Well Stimulation Market

Sam Goswick, Drilling Engineer – Well Construction and Technology, Devon Energy Group
Fracking with Field Gas

Lyle Jensen, President and Chief Executive Officer, American Power Group, Inc.
Capturing and Converting Flare Gas at Remote and Stranded Well Sites

Greg Kessler, Senior Manager, Maintenance, Global Operations, Calfrac Well Services Corp.
Hydraulic Fracturing with LNG: A Case Study

4:30 p.m. - 6:30 p.m.

Networking Reception in the Expo Hall

Agenda

THURSDAY, OCTOBER 29

8:00 a.m. - 9:00 a.m.

Continental Breakfast in the Expo Hall

Sponsored by  **AIR LIQUIDE**
GLOBAL GAC SOLUTIONS

9:00 a.m. - 9:15 a.m.

GENERAL SESSION Opening Remarks

Joel Feucht, General Manager of Gas and Medium Speed Engines, Caterpillar Inc.

9:20 a.m. - 10:30 a.m.

GENERAL SESSION Executive Roundtable: Building Regional Customer Density and Market Diversification

From California and British Columbia, to Texas, North Dakota, and Florida, never before have we seen such a dramatic increase in the development of new LNG production facilities dedicated to the HHP market. While a single large customer or dominant market segment in a particular geography may provide the opportunity to construct such plants, building a diverse customer portfolio reduces risk and provides the greatest opportunity for long-term business growth. In this session, industry executives from leading fuel suppliers will discuss critical strategies for leveraging their initial infrastructure investments to build greater customer density in a given market.

MODERATOR: **Sam Thigpen**, Vice President & General Manager-Lifecycle Products & Services, Chart Energy & Chemicals, Inc.

Jim Reddinger, Chief Operating Officer and Chief Financial Officer, Stabilis Energy

Dick Brown, President and Chief Executive Officer, Ferus Inc.

Christian Buelow, General Manager Downstream LNG Americas, Shell LNG

James Hulse, Business Development Manager, Applied LNG

Sponsored by  **CHART**

10:30 a.m. - 10:45 a.m.

Networking Break

10:45 a.m. - Technical Session #2

10:30 a.m. - 12:15 p.m.

TECHNICAL SESSION 2.1

Lessons Learned from the International LNG Marine Market



LNG marine vessel owners and operators from the European market will join us to share their extensive experience and real-world in-use data from running natural gas in their operations over the last decade. The case studies presented will provide details on how these operators are reducing operational costs—beyond fuel price spreads—via the use of clean burning natural gas. Insight will be provided on key planning considerations when undertaking a natural gas marine vessel project; challenges and successes identified in the conversion process; and the operational, environmental, and cost improvements that have been achieved.

MODERATOR: **John Grubic**, Team Lead – LNG Business Development, Shell

Tor Borge, Chief Executive Officer, NOR Lines
Dedicated LNG Power for Norwegian Cargo Ships

Ruud te Selle, Project Manager, Anthony Veder Group
Lessons Learned During Development of LNG Fueled Ships, Ship Retrofits, and New Build LNG Bunker Ships

Leif Gross, Product Definition / New Product Introduction Manager, Caterpillar Marine Power Systems
CAT Marine Engines: Leveraging Fuel Flexibility with Reliable Performance

Sindre Håberg, Area Sales Manager Commercial Marine, Rolls-Royce Marine
Dedicated Gas Engines for Marine Power and Emissions Performance

10:30 a.m. - 12:15 p.m.

TECHNICAL SESSION 2.2

Logistics and Management of Innovative Natural Gas Supply Solutions



Though lack of natural gas infrastructure has been an impediment for many remote engine operators, “virtual pipelines” now facilitate the widespread availability of easily accessible natural gas supply in regions where traditional pipeline infrastructure does not exist. While delivered natural gas may come with its own set of startup challenges, innovative supply solutions can bring end-users relief from high operating costs associated with the use of diesel. This discussion will highlight projects where LNG and CNG are delivered to off-pipeline customers via the use of ISO containers, tube trailers, rail cars, and other innovative transport methods, and will provide an overview of the logistics and management considerations necessary when implementing natural gas into daily operations. The panel will discuss key project elements including decision points for choosing a fuel provider, selecting locations, and fuel delivery methods for a variety of remote operations. Regulatory compliance and the need for an open dialogue with first responders, government agencies, and the communities at large will also be among the topics explored by the panel.

MODERATOR: **Ian Patterson**, Sales Director, Americas and Europe, JC Carter

Pedro Frazão, Director and Chief Operating Officer, GÁSLINK
Case Study: The Portuguese LNG Virtual Pipeline

Sam Thigpen, Chief Executive Officer, TRF Energy Solutions / Thigpen Energy
Delivering 1 Billion BTUs per Hour with Portable Natural Gas

Chris Schmalbruch, President, VTG North America Inc.
Delivering the First LNG Tank Car for Commodity Transport of Natural Gas

Randall Hull, Vice President of Business Development, Prometheus Energy
Optimizing Fuel Sourcing for HHP Applications

10:30 a.m. - 12:15 p.m.

TECHNICAL SESSION 2.3

Mining for Savings: Increased Use of Natural Gas in Mining Operations



Open pit mining operations offer tremendous opportunity to reduce fuel costs and emissions by substituting diesel with natural gas. With the abundance of this lower cost and cleaner burning fuel in North America, many forward-thinking mining sector representatives are currently evaluating the use of natural gas to fuel both haul trucks and on-site power generation equipment. At a time when the mining industry is facing a number of economic and regulatory challenges, a transition to natural gas can result in a direct improvement to companies’ bottom lines. This panel will include a discussion by leaders in the mining industry who are currently using or are seeking to utilize natural gas technology in their own operations. Panelists will showcase real world opportunities and challenges, as well as actual cost savings achieved by incorporating natural gas into mining operations.

MODERATOR: **Bobby Cushman**, Vice President CryoLNG, Taylor-Wharton Cryogenics LLC

Jeffery Castleman, Large Mining Truck New Product Introduction and Strategy Manager, Caterpillar, Inc.
Extracting Customer Value with Natural Gas for Large Mining Trucks

Dean Purcelli, Senior Vice President, Business Development, Stabilis Energy
Supply Chain Fueling & Infrastructure for Mining Operations

David Branyon, Staff Engineer, Engine Development, Southwest Research Institute
Optimization of Dual-Fuel Engines for Maximum Diesel Replacement

Kevin Frantz, LNG Engineering Manager, Crowley Maritime/ Carib Energy
The Seven Wonders of LNG

Agenda

12:15 p.m. - 2:30 p.m.

Networking in the Expo Hall

2:30 p.m. - Technical Session #3

2:30 p.m. - 4:00 p.m.

TECHNICAL SESSION 3.1

An Update on LNG Marine Bunkering

Sponsored by  DNV-GL



With natural gas marine vessels now on the water, a diversity of bunkering options are now beginning to emerge. In this session, speakers will review the various methods available to deliver natural gas aboard vessels utilizing a variety of bunkering solutions and the associated costs. They will discuss the current fuel supply availability in North America, as well as the merits of dock-side fueling via tanker truck, bunker barge delivery, direct loading from a dock-side LNG plant, and other similar strategies. Attendees will leave with a better understanding of how to navigate LNG production, fuel sourcing and delivery, regulatory and safety requirements, and other key considerations in the development of a natural gas fueling plan.

MODERATOR: Jason Smith, Commander, United States Coast Guard
USCG Policy Letters on LNG Bunkering, Personnel Training and Waterfront Facilities

Paul Herrgesell, Director LNG Logistical Operations, Southeast LNG / AGL Resources / Pivotal LNG
LNG Bunkering – Dockside in Jacksonville, Florida

Pace Ralli, Chief Executive Officer and Co-Founder, Clean Marine Energy LLC
Finding a Home for America's Natural Gas in the Marine Market

William Hutchins, Marine Project Engineer, Shell Trading US
Articulated Tug-Barge for the Future of LNG Bunkering in the US

Gary Van Tassel, Senior Vice President LNG Technical, Argent Marine
Key Considerations for Brownwater Midstreaming

2:30 p.m. - 4:00 p.m.

TECHNICAL SESSION 3.2

Natural Gas for Burner Tips, Utilities, and Off-Pipeline Industrial Applications



With an abundance of natural gas and LNG supply in North America and a growing array of innovative means by which to deliver it to a customer, a wide range of off-pipeline industrial projects are increasingly turning to the use of natural gas as a low-cost, stable, and environmentally preferred fuel for remote utilities, boilers, dryers, and other heat and steam needs. Paper plants, power plants, hospitals, stone and gravel operations, portable asphalt plants, greenhouses, and agricultural operations are now able to access a secure, steady supply of natural gas to meet the needs of their daily operations. Off-pipeline customers on this panel will share their reasons for moving to natural gas (LNG and CNG), specifications of the technologies used, implementation challenges, and how these technologies fit in with the broader strategic vision of each company.

MODERATOR: Mark Babcock, Compressed Natural Gas Business Development Manager, Algas-SDI International, LLC

Matthew Jackson, Vice President LNG Business Development, Crowley Maritime Corp.
Advantages of LNG in Industrial Applications

Ron Cox, Vice President Power Supply, Hawaiian Electric
LNG for Clean Power Generation in Hawaii

Austin Hastings, Senior Manager LNG/CNG Engineering and Operations, PG&E
Large-Scale Portable LNG and CNG to Preserve Customer Service During Planned Outages

Ben Deal, Business Development Manager – LNG, IPC USA, Inc.
Delivering LNG to Asphalt Plants and Other HHP End-users

Agenda

2:30 p.m. - 4:00 p.m.

TECHNICAL SESSION 3.3 Key Considerations for Future E&P Market Growth



To stay profitable in a difficult economic environment, E&P companies must continually innovate, increase operational efficiency, reduce fuel costs, and prepare to meet inevitably more stringent emission regulations. While this can produce many challenges, it is an exciting time and proper preparation can provide opportunities for growth and increased efficiency. Here, panelists will discuss emerging methods for natural gas well development, exploring technologies to reduce an array of emissions, utilize field gas, and reduce operating costs for drilling and pressure pumping operations. Speakers will discuss the status of these innovations, their current phase of development, end-users testing their technologies in the field, and the long-term viability of each technology.

MODERATOR: Dean Purcelli, Senior Vice President, Business Development, Stabilis Energy

Darin Bohlmann, Land Drilling Segment Manager, Caterpillar, Inc.
An Exploration of the Diversity of Natural Gas Sources

Michael Lutz, Vice President Midstream Development, Hess Corporation and Chief Operating Officer, Hess Infrastructure Partners
Bakken CNG Station Start-up Supports Industry Drive for Cost Efficiency

Chris Mellos, Market Development Manager, Solar Turbines Incorporated
Solar Gas Turbines: Reliable Power Anytime, Anywhere

Hannah Kaplan, Senior Business Development Manager, GE Power & Water
Diesel Displacement in Uncertain Times

2:30 p.m. - 4:00 p.m.

TECHNICAL SESSION 3.4 Moving Natural Gas Rail Down the Tracks



Despite rising interest in LNG and CNG locomotives, considerable challenges still exist when it comes to the transition of rail operations from diesel to natural gas. Standards and regulations have been slow to progress, engine and fuel storage technologies continue to be developed, significant questions about fueling and operational considerations still remain, and thus, comprehensive project economics remain unknown. Those joining us for this discussion include the key industry players who are working hard to build the foundations required for the long-term success of the natural gas rail sector. This session will highlight the progress that has been made to facilitate the shift to natural gas locomotives, as well as the work that is still necessary for the industry to advance these projects from the testing phase to full-scale deployment.

MODERATOR: Joshua Soles, Senior Manager, Business Development, Ferus Inc.

Frank Haeberti, Vice President Mobile Pipeline, Hexagon Composites
Miguel Raimao, Vice President Business Development, RailGas, Inc.
The Case for CNG Rail

Karl Alexy, Staff Director, Hazardous Materials Division, Federal Railroad Administration
Regulatory Overview of Natural Gas Locomotives and Tenders

Scott Nason, Product Manager – Railroad Product Group, Chart Industries
Progress on LNG Fuel Tenders and Tank Cars

3:00 p.m.

Expo Hall Closes

4:00 p.m.

Summit Ends

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Featured Speaker Biographies



Peter Keller **Executive VP, TOTE, Inc.**

Peter Keller is executive vice president of TOTE, where he assists in the oversight of both TOTE Shipholdings and the TOTE Maritime Division of TOTE, which includes Sea Star Line and Totem Ocean Trailer Express. Mr. Keller joined TOTE in February of 2012 as president of Sea Star Line and has been leading the conversion of the company's fleet to LNG. Previously he was the principal of Peter I. Keller and Associates, LLC, a consulting and advisory practice serving the international maritime industry. Mr. Keller has extensive experience in port and terminal development, liner industry activities, labor relations, intermodal operations, and supply chain economics and strategies. From 2000 until 2010, Mr. Keller was executive vice president and chief operating officer of NYK Group Americas, Inc., overseeing policy matters for the NYK Group operating companies in North America, including NYK Line, NYK Logistics, Yusen Terminals, and Ceres Terminals. Prior, he was president of NYK Line (North America) Inc. and a member of the governing board of NYK in Tokyo. Together with Target Stores and TTSI he founded the Coalition for Responsible Transportation (CRT). Mr. Keller was inducted into the International Maritime Hall of Fame in 2006 at the United Nations in New York.



Peter Tumminello **Executive VP, Nonregulated Businesses, AGL Resources**

Peter Tumminello was named executive vice president of nonregulated businesses for AGL Resources in May 2015. In this role, he is responsible for all operations outside of the regulated entities, including wholesale services, retail energy, and retail services. He also serves as president of Sequent Energy Management and has executive responsibility for midstream operations. Mr. Tumminello brings more than 30 years in the energy industry to his current position. He joined the executive management team of Sequent in August 2003 as vice president of asset management and origination and has held several positions of increasing leadership and responsibility with that organization. In addition, he served as vice president of corporate development for AGL Resources. Mr. Tumminello has served on the AGL Resources Policy Committee since April 2010. Prior to joining AGL Resources, Mr. Tumminello was vice president of energy supply for Green Mountain Energy Company, and he worked for TPC Corp and ARCO Oil and Gas Company in various capacities. Mr. Tumminello earned an MBA from the University of Southwestern Louisiana and a BS degree in petroleum engineering from Louisiana Tech University.



Aaron Bridges **VP of Sales and Marketing, Chart Energy & Chemicals**

Aaron Bridges is the vice president of sales and marketing for Chart Energy & Chemicals, responsible for global sales of Chart's brazed aluminum heat exchangers, air-cooled heat exchangers, and technology-driven LNG and cryogenic process facilities. During the past three years with the company's Systems division, he has been at the forefront of Chart's global sales efforts of LNG for fuel process plants using its own process designs and equipment. Prior to joining Chart, Mr. Bridges worked 14 years for an industry-leading EPC company where he served in several operational and sales roles that focused on oil refining, LNG regasification, and cryogenic gas processing and fractionation. Mr. Bridges holds a master's degree in business from Northern Illinois University and a bachelor's degree in mechanical engineering from the Auburn University.



Tana Utley **VP Large Power Systems Division, Caterpillar**

Tana L. Utley is a Caterpillar Inc. vice president with responsibility for the Large Power Systems Division. Through this global organization, Caterpillar provides the most comprehensive lineup of diesel and gas large (greater than 18 liter) engines in the industry. Caterpillar large engines are used to power marine, electric power, oil and gas, and rail applications as well as Cat mining machines. For more than 25 years, Utley has led the advancement of Caterpillar's world renowned engines with a key focus on reducing emissions in accordance with US EPA and equivalent global regulations. In her prior role as Caterpillar's chief technology officer, she provided enterprise leadership to Tier 4 product development—the largest new product introduction effort in Caterpillar history—and to the introduction of the company's first integrated product and technology strategy. Utley earned a bachelor's degree in mechanical engineering from Bradley University and a Master of Science in management from the Massachusetts Institute of Technology where she was a Sloan Fellow.



Mark Schultze **VP, Operations Support, BNSF Railway**

Mark Schultze is vice president, Operations Support, for BNSF Railway. In this role, he leads a team that supports key company initiatives, as well as passenger operations, joint facilities and contracts, operations analytics, network control, and technical research and development. Mr. Schultze was named to his current position on June 1, 2005. He had previously served as general manager of BNSF Railway's Texas Division and was named to that position in May 2004 after serving as vice president and chief sourcing officer since November 2002. Prior to being named to the sourcing post, Mr. Schultze had been assistant vice president, Consumer Products Marketing, since early 2001. Mr. Schultze joined the railroad in October 1990 as a corporate management trainee. He progressed through the company, holding financial positions in Coal and the Treasury department, and became manager, Finance, in 1995. In 1997, he was promoted to director, Operating Budget and Measurement, in the Finance department. He joined the Marketing department in 1998 as general director, Business Unit Support. Mr. Schultze earned a Bachelor of Science in business administration from Nebraska Wesleyan University, and a Master of Business Administration in finance and accounting from the University of Texas at Austin.



George Piccioni **Director of Business Development, AEP River Operations**

George Piccioni is director of Business Development for AEP River Operations, a wholly-owned subsidiary of American Electric Power. He is responsible for the initiation of new business ventures and value-added services. These opportunities include leveraging the current customer base as well as research and development efforts into new and emerging markets. In his role, Mr. Piccioni also works closely with various state and local economic development agencies to educate potential customers on the strategic advantages, both economic and operational, of utilizing the inland river system. He has full responsibility for developing AEP's river properties and leads initiatives related to fleet and operating innovations. Mr. Piccioni came to AEP River Operations in 2008 from the AEP Corporate Utility division based in Columbus, Ohio, which he joined in 2004. He has held a number of positions at AEP and his most recent was manager of mineral development, strategic initiatives in the Fuel, Emissions & Logistics department. Prior to joining AEP, he worked as the corporate director of distribution and logistics for the Penn Traffic Company. During his tenure with Penn Traffic from 1995 to 2004, he held various positions related to operations, strategy, marketing, and finance. From 1986 to 1995, he was an industrial engineer/project engineer with Eljer Industries. Mr. Piccioni earned a Bachelor of Science degree in industrial engineering from Pennsylvania State University in 1986, and a Master of Science degree in industrial administration (MBA) from Carnegie Mellon University's Tepper School of Business in 1995.



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Company Descriptions



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www.rapidcastings.com



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Air Liquide Global E&C Solutions is a strategic partner and a leader in cryogenic and petrochemical technologies with more than 4,000 people located in 15 engineering and three manufacturing centers located around the world. Air Liquide Global E&C Solutions has been a leader in LNG technologies for 50 years; from the first baseload LNG facilities in Algeria in the 1960s, to the 15 peak-shaving facilities in North America in the 1990s and small- and mid-scale LNG facilities today. We have operating references from 50,000 gpd to several hundred thousand gpd, with nitrogen, mixed, or methane refrigerant cycles. Manufacturing our own proprietary equipment is an advantage thanks to our network of manufacturing facilities located in China and the Middle-East.

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www.anga.us



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Applied LNG is a leading marketer, producer, and distributor of LNG throughout the US. Applied LNG serves a valued customer base in various market sectors such as industrial/commercial, transit, refuse, regional trucking, asphalt, agriculture, mining, rail, marine, and oil & gas. The company operates two LNG production trains in Topock, Arizona, capable of producing 60 million gallons per year, and one liquefaction train in Midlothian, Texas, with a production capacity of 30 million gallons per year. Applied LNG provides full-service solutions to customers, including delivery from a fleet of 49 LNG trailers, temporary or permanent fueling stations, equipment leasing, technical services, and training.

www.appliedlng.com

Company Descriptions



Ariel Corporation

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www.arielcorp.com



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Company Descriptions



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www.chartlng.com



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www.chesterlng.com



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Clean Energy Cryogenics, a division of Clean Energy Fuels Corp. (NASDAQ: CLNE) has developed over 70% of the LNG & LNG/CNG combination stations across North America. As LNG fueling pioneers, they support the growth of the industry as LNG use expands into new markets including railroads, marine, and energy E&P.

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Company Descriptions



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www.cmr-group.com



Corban Energy Group

Corban Energy Group establishes natural gas fueling stations throughout the US and has been sourcing quality CNG/LNG equipment for the US market with our worldwide network of sister companies in the industry. We are also working with domestic partners who design and manufacture innovative solutions for utilization of LNG. Coupled with international & US industry leaders, Corban is poised to provide superior equipment as well as trusted solutions for any natural gas-related issues its customers may encounter. Our line of products includes ISO LNG containers, LNG storage tanks, LNG/CNG equipment including compressors, vaporizers, and expanders. We also provide natural gas power source conversion. Call us at 201-509-8555.

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Company Descriptions



Cryogenic Industries

Cryogenic Industries' group of companies are leading suppliers of cryogenic equipment for the industrial gas and natural gas markets, serving applications in high horsepower, rail, mining, trucking, oil field, peak shaving, and virtual pipelines. ACD is a leader in cryogenic pumps and turboexpanders. Its product lines include cryogenic pumps, hi-pressure cylinder/storage filling, trailer off-loading, and LNG bunkering operations. With over 400 installations, COSMODYNE engineers and manufactures small- to mid-scale natural gas liquefaction systems. CRYOQUIP is a leader in the engineering and manufacture of a diversified line of cryogenic vaporizing systems utilizing any available heat source. They design LNG vaporizers to supply natural gas at a wide range of pressures, capacities, and flow profiles.

www.cryoind.com



Cryoquip

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www.cryoquip.com



Cryostar

Cryostar is a leading global supplier of cryogenic equipment for both industrial and natural gas applications. Our products include cryogenic pumps, pump systems, turbo-expanders, small-scale liquefaction plants, LNG boil-off gas compressors, LNG vaporizers, and LNG regasification units. With offices around the world and three locations in the United States, Cryostar supplies most of major gas companies, gas distributors, and service providers. Cryostar USA provides equipment and solutions for LNG and LCNG refueling stations, LNG bunkering stations and equipment, LNG trailer loading systems, and peak shaving systems which have been proven with a number of references and projects across the world.

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www.dfwcleancities.org



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www.dixonvalve.com

Company Descriptions



Dragon Products

Dragon Products is a 50-year family-owned manufacturer of oil field equipment out of Beaumont, Texas. Dragon manufactures and distributes LNG, cryogenic, and NGL transportation, distribution, and on-site storage, vaporization, and pumping equipment. Products include transports, regasification, ambient and powered vaporization skids, pumping skids, manifold distributors, ISO containers, and mobile fuelers. Dragon offers turnkey gas and liquid solutions to HHP dual-fuel and dedicated LNG engines. Dragon specializes in gas fuel supply to drillers and pressure pumpers. Dragon offers storage and transportation equipment for NGL gathering and distribution. Dragon is a master distributor for Applied Cryogenic Technologies (ACT) of Houston, Texas.

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ELM Energy, LLC provides energy solutions that enable data centers, hospitals, industrial plants, oil and gas producers, and other critical facilities operators to achieve and maintain distributed energy goals, 100% backup power, and environmental compliance while indemnifying their environmental risk and supporting the achievement of their business, operational, and financial goals with state-of-the-art technology, expert engineering, and innovative financial options. With a primary focus on alternative energy solutions and optimization, ELM Energy's MaxM product line will bring to market the largest CNG storage and distribution system available, enabling greater expansion of CNG as a fuel for HHP solutions in both domestic and foreign markets.

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Company Descriptions



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www.emerson.com



Federal-Mogul Corporation

Federal-Mogul Powertrain is a leading global supplier of original equipment powertrain components and systems protection products to the world's manufacturers of vehicles and equipment in the automotive, light/medium/heavy-duty commercial, marine, rail, aerospace, power generation and industrial markets. The company's products enable improved fuel economy, reduced emissions and enhanced vehicle durability.

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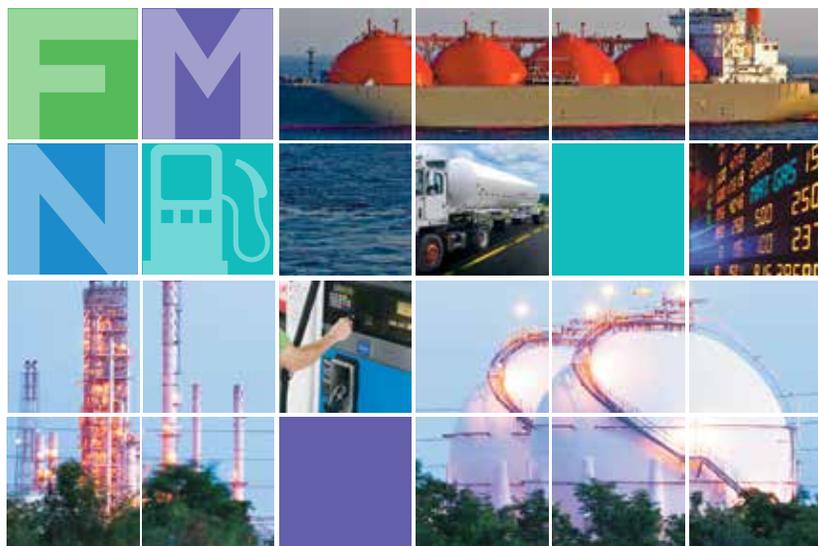


Ferus Natural Gas Fuels

Ferus Natural Gas Fuels (Ferus NGF) provides end-to-end LNG and CNG fueling services including production, transportation, storage, and dispensing to customers in high horsepower and clean power industries. Ferus NGF built the first merchant LNG plant in Canada and is jointly building a second LNG plant with ENN Canada in Alberta. In the US, Ferus NGF is partnered with GE Ventures in Eagle LNG Partners, a joint venture partnership developing regional LNG projects for domestic and international marine, remote power, rail, oil and gas, and transport trucking industries. Ferus NGF is also partnered with GE in The Last Mile Fueling Solution, a full service flare gas capture and fully-integrated CNG supply solution for transportation, oil and gas, and other high horsepower operations.

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Company Descriptions



FIBA TechnologieslexGen Power Systems

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www.fibatech.com



FNX LNG Solutions LLC

FNX LNG Solutions is a multi-national manufacturer of small-scale LNG plants. Our modular, scalable, skid-mounted LNG plants are based on closed-loop nitrogen cooling, and range from 17,000 to 84,000 LNG gallons. The plants can be installed and uninstalled in just a few weeks. We also offer the full scope of support for clients looking to outsource a larger percentage of plant construction and operation, or high horsepower end-users looking for full-solution support to displace diesel use. Our global headquarters is located in Florida. Our manufacturing facilities are located in the North of Spain, a region renowned for its technologically advanced industrial companies, where the FNX engineering team designs, builds, and tests our equipment.

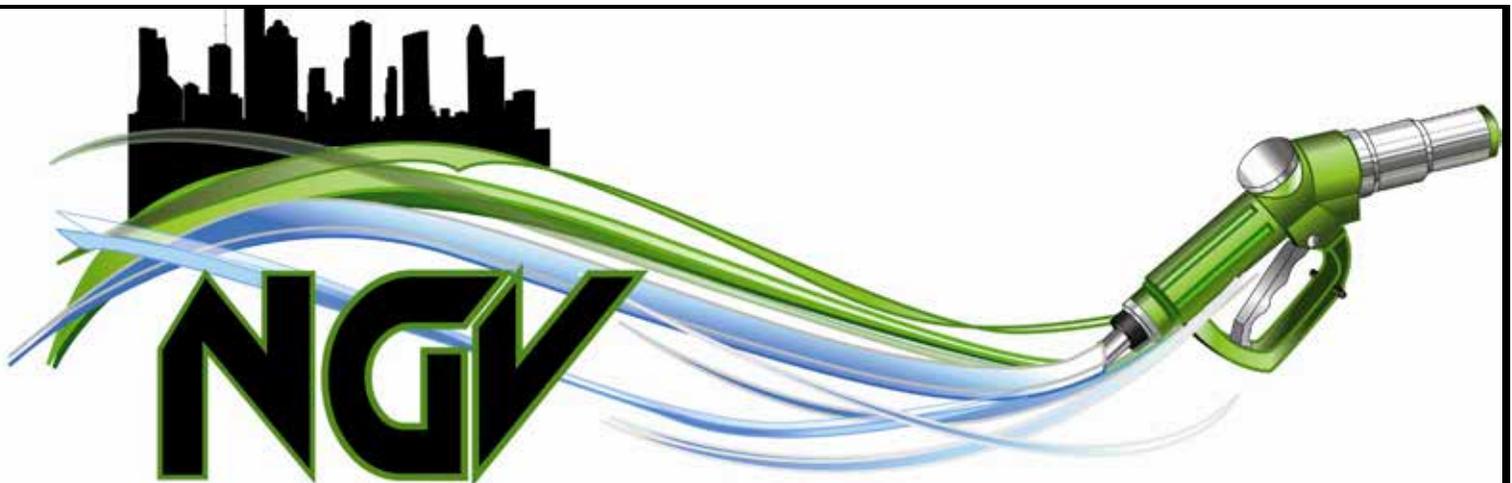
www.fnxlngsolutions.com



Fuel Marketer News

Fuel Marketer News is the downstream petroleum industry's established and growing information source for news as well as education. Encompassing a content-rich online web magazine, weekly e-newsletter, vendor marketplace, and event-focused print magazines, it reaches fuel-marketers, jobbers, distributors (wholesale and retail), retail dealers, terminals, truck fleets, transportation companies, fuel suppliers, service distributors, tank operators, and lubricant distributors.

www.fuelmarketernews.com



Greater Houston Natural Gas Vehicle Alliance

Our mission is to support the development of new and expanding natural gas transportation markets and refueling stations in the Greater Houston area, by bringing together industry initiatives, government programs, energy education and community relations.

Resources ♦ Networking ♦ Conferences ♦ Workshops ♦ Funding/Grants Information

WHERE THE INDUSTRY MEETS

www.HoustonNGValliance.org

Company Descriptions



Galileo Technologies

Since 1983, Galileo has been a global reference in modular technologies for both CNG and LNG production and transportation. Its portfolio includes the widest range of compressors and pumps for vehicles and vessels—pipeline boosters and wellhead compressors—and the Virtual Pipeline® system for gas distribution by road, which can reach remote communities and industries without pipeline network connections. Based in Buenos Aires, Argentina, with a service and training hub in Los Angeles, USA, Galileo exports and provides ongoing assistance to customers in 65 countries in Latin America, North America, Europe, Africa, and Asia.

www.galileoar.com



GE

GE Power & Water's Distributed Power business is a leading provider of power equipment, engines, and services focused on power generation at or near the point of use. Distributed Power's product portfolio includes highly efficient industrial reciprocating engines and aeroderivative gas turbines that generate 100 kW to 100 MW of power for numerous industries globally. Headquartered in Cincinnati, Ohio, Distributed Power employs about 5,000 people around the world.

www.ge-distributedpower.com



Gladstein, Neandross & Associates

Gladstein, Neandross & Associates (GNA) is a leading North American consulting firm specializing in market development for low-emission and alternative fuel vehicle technologies, infrastructure, and fuels for both on- and off-road applications. GNA provides strategic market analysis and planning, technical assistance, and public affairs and policy support to clients in the private, public, and non-profit sectors. For 20 years, GNA has pioneered the nation's largest and most innovative alternative fuel vehicle projects, including the development of several successful clean fuel corridor projects across the US. In addition to its technical consulting practice, GNA hosts two of North America's leading alternative fuel and advanced vehicle technology conferences—the Alternative Clean Transportation (ACT) Expo and the High Horsepower (HHP) Summit. GNA is headquartered in Santa Monica, California.

www.gladstein.org



GP Strategies

GP Strategies' Alternative Fuels Division is a recognized leader in the design, fabrication, construction, and maintenance of LNG, liquefied-to-compressed natural gas (LCNG), and hydrogen (H₂) fueling facilities. We also provide customized LNG infrastructure solutions for heavy-duty applications. Our comprehensive services reflect the best practices, proven processes, and lessons learned of a seasoned provider with years of experience in the industry.

www.altfuels.gpstrategies.com



Great Lakes Maritime Research Institute

The Great Lakes Maritime Research Institute (GLMRI) was established in 2004 to pursue research in marine transportation, logistics, economics, engineering, environmental planning, and port management. GLMRI is co-hosted by the University of Wisconsin-Superior and the University of Minnesota Duluth, with 10 affiliated universities in the Great Lakes Region, and is a designated National Maritime Enhancement Institute (NMEI) by the US Department of Transportation's Maritime Administration (MARAD). Over the past two years, GLMRI has been working with MARAD, the Great Lakes maritime industry, and the natural gas industry, along with other governmental agencies, to research the feasibility of converting the Great Lakes steamships to natural gas. A report was recently released detailing the findings along with a list of recommendations to MARAD on further topics to pursue in order to move the US fleet to natural gas. GLMRI is dedicated to developing and improving economically and environmentally sustainable maritime commerce on the Great Lakes through applied research.

www.glmri.org



Greater Houston Natural Gas Vehicle Alliance

The Greater Houston Natural Gas Vehicle Alliance is envisioned to be a broad-based collaboration of private and public interests dedicated to: raising awareness of natural gas vehicles to both policy makers and the general public; providing leadership on the evolving natural gas vehicles marketplace, such as future infrastructure needs as well as environmental, economic, and job creation benefits; and promoting the use and benefits of natural gas vehicles to public and private fleets in the Greater Houston area.

www.houstonngvalliance.org

Company Descriptions



Green Marine

Green Marine is the largest voluntary environmental program for the maritime industry in North America. Founded in 2007, Green Marine is a transparent and inclusive program that addresses nine key environmental issues including air emissions, cargo residues, community impacts, and environmental leadership. The program encourages its participants to reduce their environmental footprint by taking concrete actions. Although Green Marine is a voluntary program, the results reported by participating companies are subject to rigorous external verification. The results are also published. Green Marine relevance and credibility is proven through its growing number of supporters: more than 40 environmental groups and government departments/agencies have endorsed and helped shape the environmental program, along with representatives from the academic sector and the marine industry. There are currently over 70 ship owners, port authorities, terminals, and shipyards from coast to coast—across Canada and the United States—participating in the program.

www.green-marine.org



Guild Associates

Guild Associates provides gas purification equipment for LNG pretreatment, genset feed conditioning, and the production of pipeline quality gas. Feed sources treated include wellhead and pipeline gases, flare gas, biogas, and coal mine gas. The technology offered includes the Guild's exclusive Molecular Gate® technology that operates using pressure swing adsorption and thermal regenerated units with both standard efficiency and maximum efficiency depending on the application. Designs are selected to match project requirements. Impurities removed include CO₂ and water, heavy hydrocarbons, VOCs, mercury, siloxanes and, if needed, N₂. To date, Guild has provided over 60 gas purification systems and also supplies compression and other associated gas purification equipment.

www.moleculargate.com



G.W. Lisk Company, Inc.

G.W. Lisk Company, Inc. prides itself on customer service, vertical integration, and its ability to provide custom solutions. At G.W. Lisk, our engineers design custom solenoids, solenoid valves, LVDTs, and flame arrestors that are applied in the military, aerospace, hydraulic, oil & gas, heavy-duty engine, and automotive markets around the world. Our products are designed in the United States and made conveniently available to you through our manufacturing facilities located in the US, Ireland, and China. We look forward to your call or visit!

www.gwlisk.com



Setting the standard for safety, reliability and performance.

IMI Precision Engineering knows tough applications, with proven performance in commercial vehicles, rail, NG dispense, off-shore drilling and chemical processing. We're your one source for integrating everything you need to control pressure, flow and temperature of natural gas between tank and engine. IMI Norgren, an IMI Precision Engineering brand, has been innovating fluid control solutions since 1927.



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-  IMI MAXSEAL

Company Descriptions



HEXAGON
COMPOSITES

Hexagon Composites

We operate one of the world's most advanced facilities for designing, testing, and manufacturing composite Type 4 pressure vessels. After 50 years of fabricating advanced filament-wound composites and 20 years building Type 4 compressed natural gas tanks, we are the global leader in the industry. Our tanks set the standard for excellence in efficiency, safety, and durability. We produce TUFFSHELL® cylinders for use in commercial and passenger vehicles that run on natural gas or hydrogen, and TITAN™ and SMARTSTORE™ products used for distribution of natural gas.

www.hexagonlincoln.com

HITACHI
Inspire the Next

Hitachi High-Tech AW Cryo, Inc.

Hitachi High-Tech AW Cryo, Inc. (HTAW) specializes in manufacturing cryogenic tanks and equipment for the North American LNG industry. With over 30 years of experience in transporting LNG by truck, rail, and ship in Japan, HTAW is pleased to offer its LNG handling expertise and unparalleled safety record to the North American market. With manufacturing facilities in North America and sales support in Vancouver, British Columbia (Canada), HTAW offers quality LNG ISO containers, storage tanks, and cryogenic pumps.

www.hightech-lng.com

IMI

Precision Engineering

IMI Precision Engineering

IMI Precision Engineering is a world leader in motion and fluid control technologies. Wherever precision, speed, and engineering reliability are essential, we deliver exceptional solutions which improve the productivity of our customers' equipment.

www.imi-precision.com

INOXCVA

INOXCVA

INOXCVA is the world's largest manufacturer of cryogenic transportation equipment and a global leader in LNG and oil field equipment. INOXCVA's in-house LNG Engineered Solutions Division creates state-of-the-art designs for mobile and permanent LNG fueling equipment, LNG bulk storage, LNG gasification equipment, and LNG transport trailers for use in industries around the world. INOXCVA strives to deliver the best in quality, performance, timely delivery, and outstanding customer service.

www.cvatanks.com

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Ultima® XIR
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Company Descriptions



InsulTech, LLC *International Mining Magazine*

InsulTech is a manufacturer of thermal and acoustical insulation blankets and hard shields. Since 1994, we have been providing engineered solutions of our products for the power generation and energy industries. Our rapid response team, whose purpose is to provide excellent customer focus, is well versed in all our applications. We have mastered the art of designed solutions combined with rapid response delivery. To meet our vision of growth and innovation, we have a team driven to achieve quality of life for our customers and our company.

www.insultech.com



JC Carter

JC Carter, the world's leading LNG nozzle technology provider, can best be described in three words: experience, engineering, and excellence. The company has been a pioneer and leader in cryogenic technology for more than 65 years. JC Carter LNG nozzles are safely fueling thousands of LNG vehicles daily throughout the world under all climatic operating conditions. In addition to its industry standard LNG nozzles, JC Carter is featuring two ranges of high-flow nozzles rated at 200 gpm and 400 gpm.

www.jccarternozzles.com



Karl Dungs

Karl Dungs Inc., a subsidiary of Karl Dungs GmbH, is a manufacturer of gas safety controls and gas trains for spark-ignited or dual-fuel engines. Our products include dual safety shutoff valves, regulators, gas filters, pressure switches, pressure reducing and zero pressure regulators, and various other gas controls products. Dungs is the supplier of gas trains to many of the engine OEMs, dealers, and packagers. We engineer complete gas trains for all gaseous fuel applications including landfill and biogas with complete testing of the gas trains at our facility in Blaine, Minnesota.

www.dungs.com/usa



Pride of the Hills Manufacturing, Inc.

“Your Mobile Fuel Gas Conditioning Experts”

- Mobile packages available for 2-375 mcfh
- Capable of drying saturated gas to less than 7 lbs/MMscf with no free liquids
- Up to 1440 Psi inlet, outlet pressures as low as 25 Psi



Patent Pending No. 61/968,027

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Company Descriptions



Kinetrex Energy

Kinetrex Energy, a subsidiary of Citizens Energy Group, was created to be the most flexible and accessible LNG supplier. They are committed to investing to produce a sufficient supply of LNG to meet the market demands for a cost-effective, abundant, domestic, and clean transportation fuel. Kinetrex Energy is a company that desires a true partnership with their customers to pioneer a new transportation fuel for the 21st century.

www.kinetrexenergy.com



Matrix Service

From world-class engineering provided by Matrix PDM Engineering to large-scale construction by Matrix Service, we provide EPC services, repairs, modifications, and upgrades for LNG, cryogenic, and low-temperature tanks and terminals across the gas value chain.

www.matrixservice.com



Monico Inc.

At Monico, we integrate critical assets into control and monitoring systems and specialize in data acquisition, protocol conversion, and remote monitoring communications. We are recognized worldwide for our expertise integrating high horsepower industrial engines and connected equipment into overall monitoring systems while providing superior communications products and technical assistance across the industrial marketplace. Regardless of your industry, our application specialists have the right product and configuration for your specific needs. Our products are easy to install, as they come fully pre-configured, and offer capabilities such as real-time data logging, email alerts, virtual HMIs viewable from anywhere on a network, and multiple input/output protocols.

www.monicoinc.com



MSA Safety

Over the last 100 years, MSA has built a legacy by protecting lives in dangerous workplaces. We are the world's leading manufacturer of high-quality safety products, providing sophisticated devices and protective gear—the result of countless R&D hours, relentless testing, and an unwavering commitment to quality that protects thousands of men and women each day. Our core product focus emphasizes portable gas detection; respiratory protective equipment; head, eye, face and hearing protection; fall protection; and fixed gas and flame detection. Our full line of monitors and controllers continually evolve, bringing you the latest, most advanced technology available to detect potential dangers and hazardous situations.

www.msagasdetection.com



North Central Texas Council of Governments

The North Central Texas Council of Governments (NCTCOG) is a voluntary association of, by, and for local governments, and was established to assist local governments in planning for common needs, cooperating for mutual benefit, and coordinating for sound regional development. NCTCOG's purpose is to strengthen both the individual and collective power of local governments, and to help them recognize regional opportunities, eliminate unnecessary duplication, and make joint decisions. NCTCOG serves a 16-county region of North Central Texas, which is centered around the two urban centers of Dallas and Fort Worth. NCTCOG has over 230 member governments including 16 counties, numerous cities, school districts, and special districts.

www.nctcog.org



OnQuest

OnQuest specializes in turnkey engineering, procurement, and construction (EPC) for small- and mid-sized liquefied natural gas (LNG) plants; hydrocarbon reforming, including hydrogen, ammonia, and methanol; and renewable energy production facilities such as biofuel and waste-to-energy plants. OnQuest also designs and delivers a full range of direct-fired furnaces and related combustion technologies, including burner management systems, waste heat recovery systems, NOx reduction technologies, and thermal oxidizers. We are experts in furnace revamps and retrofits, and we support process facilities with a range of custom spare parts. OnQuest has delivered solutions for most of the major energy producing companies, and has a growing presence in the market for renewable, environmentally sustainable energy. We are distinguished by our ability to manage projects on a fixed-price basis—from concept to commissioning. Established in 2002, OnQuest is a subsidiary of Primoris Services Corporation (NASDAQ: PRIM), one of the nation's largest specialty construction companies.

www.onquest.com



Parker Hannifin

Parker Hannifin is a world leader in the design and manufacture of compressed and liquid natural gas systems. Offering tank-to-engine greener solutions that filter, regulate, control, and convey CNG and LNG, Parker is your "one-stop" source for clean transport technologies (including hybrid drive technologies, bio-fuels, and natural gas). Parker's wide range of products offered are unparalleled in the industry. Parker has the ability to integrate many technologies into unique, precise, customer-focused solutions in the areas of distribution/retail fueling and on-board vehicles. Solutions from Parker offer faster development, improved service life, reduced risk, and greater value.

www.parker.com

Company Descriptions

PERMA-PIPE®

Perma-Pipe

Perma-Pipe is the largest manufacturer of pre-insulated and containment piping systems in North America. These systems are offered with many options of service pipe materials, insulation types, outer pipes, and waterproof jackets. We also offer state-of-the-art electronic leak detection and location systems when critical services must be monitored for environmental safety. For the LNG industry, we offer highly efficient pre-insulated cryogenic piping for onshore LNG plants, and pipe-in-pipe containment systems for LNG and fuel gas piping systems onboard ships. Ship piping systems are designed and manufactured to comply with ABS specifications. For natural gas, we offer pre-fabricated pipe-in-pipe solutions where containment is required for safety or environmental reasons.

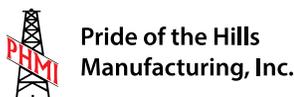
www.permapipe.com



Pivotal LNG

Pivotal LNG, a wholly owned subsidiary of AGL Resources Inc., is committed to providing liquefied natural gas (LNG) 24 hours a day, 365 days a year. With our fleet of cryogenic tankers, we can deliver LNG directly to your fueling location. Pivotal LNG and AGL operate a network of LNG production facilities with the capacity to produce 540,000 gallons per day and the ability to store more than 94 million gallons. For more information, contact us at 713-300-5116 or info@PivotalLNG.com.

www.pivotalng.com



Pride of the Hills MFG

Pride of the Hills MFG, Inc. is a family-owned and operated company with over 40 years of operation in the O&G sector. Pride of the Hills is headquartered in Big Prairie, Ohio, with manufacturing facilities in Killbuck, Wooster, and Orrville, Ohio. We are a leading supplier of production and gas conditioning equipment in the Appalachian Basin and excel at providing custom solutions to fit our customers' needs in a variety of areas, including drilling and fracturing applications, well pad production equipment, and even mid-stream filtering and regulation solutions. We are your one-stop manufacturing supplier for any need you may have. Contact us now to get your next quote started. Call 1-800-345-1744.

www.prideofthehills.com

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Company Descriptions



Professional Mariner

Professional Mariner was founded in 1993 to serve owners and operators of commercial maritime vessels of all types in the US and Canada. The magazine includes maritime casualties, industry news, and features about vessels and their operators. *Professional Mariner* emphasizes safety and maritime efficiency issues as well as technical, economic, and regulatory development.

www.professionalmariner.com



PROMETHEUSenergy

Prometheus Energy

Prometheus Energy is one of the largest and fastest growing suppliers of LNG to the industrial sector in North America. Prometheus provides turnkey fuel solutions to convert remote industrial users of diesel, propane, and other crude-derived fuels to clean, domestic, secure LNG, resulting in reduced fuel cost and environmental footprint. The company is vertically integrated from LNG production through logistics, distribution, onsite equipment, and technical field support.

www.prometheusenergy.com



PSB Industries

PSB Industries, Inc. (PSB) specializes in air and gas dehydration and purification technologies. PSB packaged systems remove moisture and contaminants from natural gas, hydrogen, CO₂, etc. PSB "NG" series dryers are specifically designed for natural gas fueling stations and are available in a wide range of single vessel or dual vessel sizes and configurations to suit each application. As gas supply pressure varies, PSB's typical dryer pressure options range from 200 to 1250 psig maximum working pressures. The dryers are designed and manufactured in Erie, Pennsylvania, with certified quality system meeting ISO 9001:2008.

www.psbindustries.com



Southwest Research Institute® has broad experience and test capabilities that allow us to provide solutions to our clients' product development and improvement challenges.

SwRI has a 68-year history of supporting the practical and technical advances of our clients. One of our specialties is large engine development up to 7,000 hp on a wide variety of liquid and gaseous fuels.

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Contact: Tom Boberg
Manager, Large Engine Development
Engine, Emissions & Vehicle Research Division
(210) 522-6267 • thomas.boberg@swri.org



SOUTHWEST RESEARCH INSTITUTE

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Company Descriptions



Quantum Technologies

Quantum Technologies is a leader in the innovation, development, and production of natural gas fuel storage systems and the integration of vehicle system technologies including engine and vehicle control systems and drivetrains. Quantum produces one of the most innovative, advanced, and lightweight compressed natural gas storage tanks in the world, and supplies these tanks—in addition to fully integrated natural gas storage systems—to truck and automotive OEMs and aftermarket and OEM truck integrators. Quantum provides low-emission and fast-to-market solutions to support the integration and production of natural gas fuel and storage systems.

www.qtw.com



Ratermann Manufacturing, Inc.

Ratermann Cryogenics brings over twenty years of experience to our cryogenic and LNG customers, providing only the highest quality valve solutions for plant, bulk vessel, marine, and trailer transport manufacturing and refurbishing applications. Our product offering includes, but is not limited to, manual and actuated ball, globe, gate, and butterfly valves and valve packages for cryogenics and LNG, including fire safe and emergency shut down options to meet Class 1, Div 1 requirements.

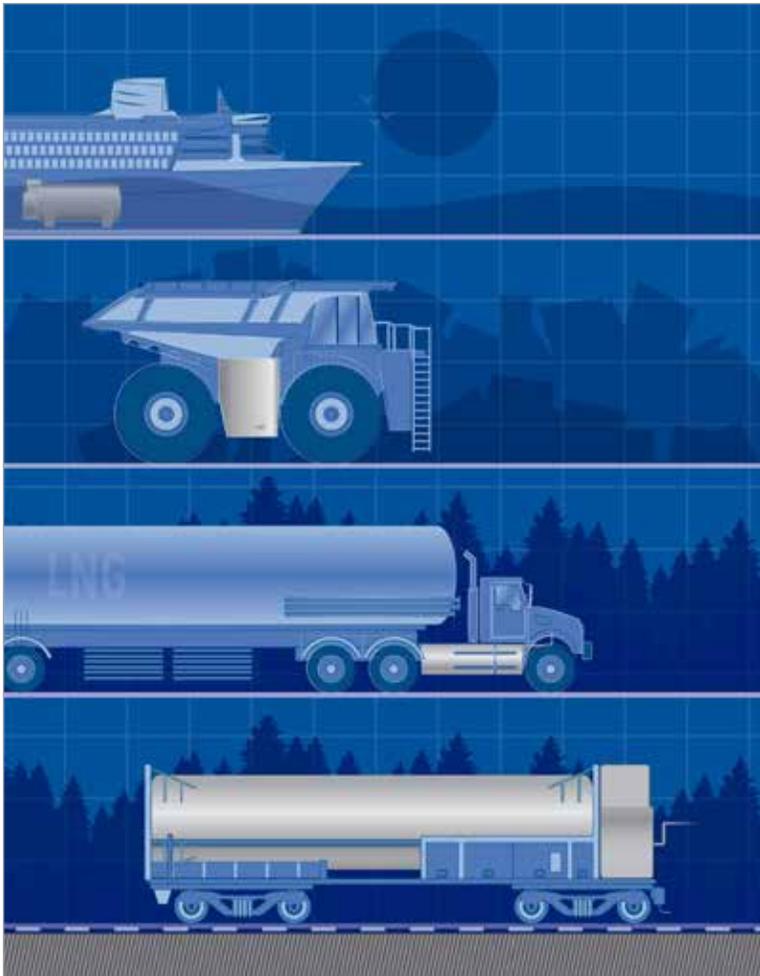
www.rmimfg.com



REV LNG, LLC

REV LNG is a full service “well to wheel” distributor of LNG. We are innovators and experts in all facets of the LNG supply chain. We have the experience to make LNG a reality for on-road transportation, off-road high horsepower, and marine applications. REV LNG sources, transports, and delivers LNG to a customer’s home yard (private mobile fuel station) for a simple price per gallon that covers the entire logistical supply chain. REV LNG can safely enable your company to enjoy economic savings and reduce air emissions in the communities you operate in by displacing traditional, propane, diesel, and other petroleum-based fuels with domestically produced natural gas.

www.revlng.com



On-board fuel storage and OEM-level program management keep your LNG program moving.

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Full LNG system assurance.



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worthingtonindustries.com/cryogenics

Company Descriptions



Ricardo, Inc.

Ricardo is a global strategic, technical, and environmental consultancy for a broad range of markets including commercial, off-highway, and defense vehicles, as well as marine and stationary power applications. Our engineers provide complete vehicle development services for engines, transmissions, hybrid, and electric vehicles, as well as complete vehicle and intelligent transportation systems. Integral to our designing process is also an entire suite of Ricardo software products developed specifically to meet the needs of engineers in creating innovative solutions while maintaining cost optimization parameters. Ricardo capabilities include: a comprehensive powertrain and vehicle development capability from concept design to upgrades, troubleshooting, and niche manufacture; state-of-the-art CAE tools for the design, optimization, and calibration of engines, drivelines, and vehicles; leading edge electronics and control technology; full prototype, assembly, and niche manufacturing facilities; comprehensive powertrain, driveline, and vehicle development including validation testing capabilities; and world-class aftertreatment engineering and testing capability.

www.ricardo.com



Rolls-Royce

The Rolls-Royce marine business is a global leader in marine propulsion, engineering, and hydrodynamic expertise. Rolls-Royce offers a product portfolio ranging from vessel design and gas turbine engines to propulsion systems and deck handling equipment, and has a full system integration capability. The business is unique in its scope and capabilities, with the aim of supplying power, propulsion, and motion control systems for high-value vessels. Our international customer support capability has operations in 34 countries.

www.rolls-royce.com



Senior Flexonics

Senior Flexonics (a division of Senior Plc.) is an over 100-year-old company with a facility in Bartlett, Illinois, that provides component and subsystem solutions specifically engineered and manufactured to our customers' requirements. Our products, which can be found all over the engine, are used to improve efficiency, reliability, and meet emission standards. In the exhaust system, we manufacture EGR tubes, EGR coolers, and metal bellows that compensate for thermal growth, vibration, and misalignment. In the fuel system, we make high-pressure common rail accumulators, high-pressure fuel lines, and natural gas injectors. On turbo chargers, we provide oil drain tubes and bellows that mount directly to the outlet to reduce noise. Our facility has a focus on lean manufacturing and is ISO9001 and TS16949 certified. Continuous improvement through VAVE, engineering change control, and Production Part Approval Process (PPAP) are part of our normal operation procedures. Let's discuss your engineering challenge.

www.seniorflexonics.com



Shell

Shell is a global group of energy and petrochemicals companies with around 90,000 employees in more than 80 countries and territories. We are the leading international oil company in the LNG industry and our capabilities span the full LNG value chain. Shell provided the technology for the world's first commercial LNG plant nearly 50 years ago and has continued to advance that technology in plants around the world ever since. Today we are the world's largest LNG shipping operator, managing and operating 50 carriers. We are also working to use LNG in our own business as Shell Deep Water has chartered three offshore support vessels to support operations in the Gulf of Mexico.

www.shell.com



Society of Naval Architects and Marine Engineers – Great Lakes Great Rivers Section

The Society of Naval Architects and Marine Engineers was organized in 1893 to advance the art, science, and practice of naval architecture, shipbuilding and marine engineering. For over a century, members have included commercial and governmental practitioners, students, and educators of naval architecture, shipbuilding, and marine and ocean engineering. The Great Lakes & Great Rivers Section includes the states of Minnesota, Wisconsin, Michigan, Indiana, Ohio, Iowa, Missouri, Arkansas, Kentucky, Kansas, Tennessee, West Virginia, that portion of the state of New York which borders the Great Lakes, and that portion of Pennsylvania which borders the Great Lakes and the Ohio River.

www.sname.org/GreatLakesGreatRiversSection



Southwest Research Institute

Southwest Research Institute® (SwRI®) is an independent, nonprofit, applied research and development organization with more than 2,800 employees in San Antonio, Texas, contracting with government and industrial clients worldwide. For 40 years, SwRI has worked on design and development with manufacturers of high- and medium-speed diesel and natural gas engines to improve fuel economy, performance, and emissions. Many of our 208 engine dynamometer test cells accommodate high-horsepower engines up to 7,000 horsepower for research, mechanical development, new technology integration programs, and evaluations of fuel and lubricants. A locomotive emissions test center near downtown facilitates working with engines installed in locomotives with large portable and stationary generator sets.

www.swri.org

Company Descriptions



Stabilis Energy

Stabilis Energy keeps drilling and fracturing operations running on high-quality LNG. We offer the industry's only complete LNG solution, handling everything from fuel production and supply to providing ongoing field service. As operators consider their dual-fuel options, Stabilis makes it easy for them to choose LNG over other fuels. These operators are able to achieve savings up to 40% and quickly recoup their conversion costs, while tapping into a fuel source that's safe, clean, abundant, and local. Stabilis has the resources and experience to deliver on its promises. Our people come from a strong oil & gas heritage, so we understand our customers' challenges, and we can provide the best guidance for making a trouble-free transition to LNG.

www.stabilisenergy.com



Taylor-Wharton
Since 1742

Taylor-Wharton Cryogenics LLC.

Taylor-Wharton Cryogenics LLC designs and manufactures a comprehensive range of stationary bulk and portable cryogenic storage systems for gas and liquid applications. The company, which traces its roots to 1742, operates manufacturing and warehouse facilities in the United States, Malaysia, China, Slovak Republic, Germany, and Australia—thereby being strategically positioned to support the world's major industrial markets. The extensive Taylor-Wharton product range includes cryogenic bulk tanks, micro-bulk tanks, transportable liquid cylinders, LNG storage and application systems, cryogenic beverage carbonation vessels, as well as freezers and dewars for cryopreservation.

www.taylorwharton.com



Thigpen Energy, LLC

Thigpen Energy is recognized as the North American industry leader in providing portable natural gas solutions—via the Thigpen LNG Fleet-Virtual Pipeline—to the utility, pipeline, and industrial markets. Within hours of notice, the Thigpen Energy fleet can deploy and mobilize to deliver natural gas from 3 MCF/hour to over 1,800 MCF/hour to an industrial, utility, or pipeline customer. Our successes have been achieved through adhering to our mission-critical focus of always having safety as our #1 core value, creating world class innovative solutions, and providing extraordinary customer service.

www.thigpenenergy.com



Trinity Cryogenics

Trinity Cryogenics, LLC is a leading manufacturer of cryogenic trailers, mobile fuelers, and ISO containers. Trinity is also a leading provider of repair and rehabilitation services. With six locations across the United States and Mexico, Trinity is well positioned geographically to meet your expectations. We are dedicated to building long-lasting relationships with customers by providing quality design and workmanship, timely scheduling, fair pricing, and outstanding customer support.

www.trin.net



W&O Supply

Founded in 1975, W&O is one of the world's largest suppliers of valve automation; engineered solutions; and marine pipe, valves, and fittings for the marine and upstream oil and gas industries. Serving a variety of customers around the world, W&O operates a network of 18 branches throughout North America and Europe from its corporate headquarters in Jacksonville, Florida.

www.wosupply.com



Worldwide Power Products

Worldwide Power Products is a leading resource for new, surplus, used, and remanufactured engines and generator sets. Our extensive, searchable database includes diesel, natural gas, and bi-fuel engines from major manufacturers including Caterpillar and Cummins, and we are an authorized HiPower distributor. Whether you seek to buy or rent power-generation equipment, or require expert maintenance, service, parts replacement or custom packages, WPP stands ready to help you Power On.

www.wpowerproducts.com



Worthington Industries

Worthington Industries is the leading global manufacturer of pressure cylinders and related products for industrial, alternative fuel, energy, and consumer products markets. Our broad product line, including cryogenic liquid cylinders, LNG onboard fuel storage, LNG mobile pipeline systems, and industrial gas storage vessels, serves more than 4,000 customers in 70 countries, and is backed by a team who provides unsurpassed customer service with market-leading technical, product, and market expertise.

www.worthingtonindustries.com

ARE DIESEL COSTS SQUEEZING YOUR PROFITS?

If your diesel engines are in continuous or peak shaving operation, GTI Bi-Fuel® delivers the power to reduce your fuel costs—substantially.

This patented system draws low-pressure, clean burning, natural gas into the engine, substituting it for a large portion of the diesel fuel, lowering costs, and reducing the need to haul diesel fuel to the site.

Proven in thousands of installations, GTI Bi-Fuel® is an easy retrofit requiring no engine modification.

Find out more about at www.gti-altronic.com.

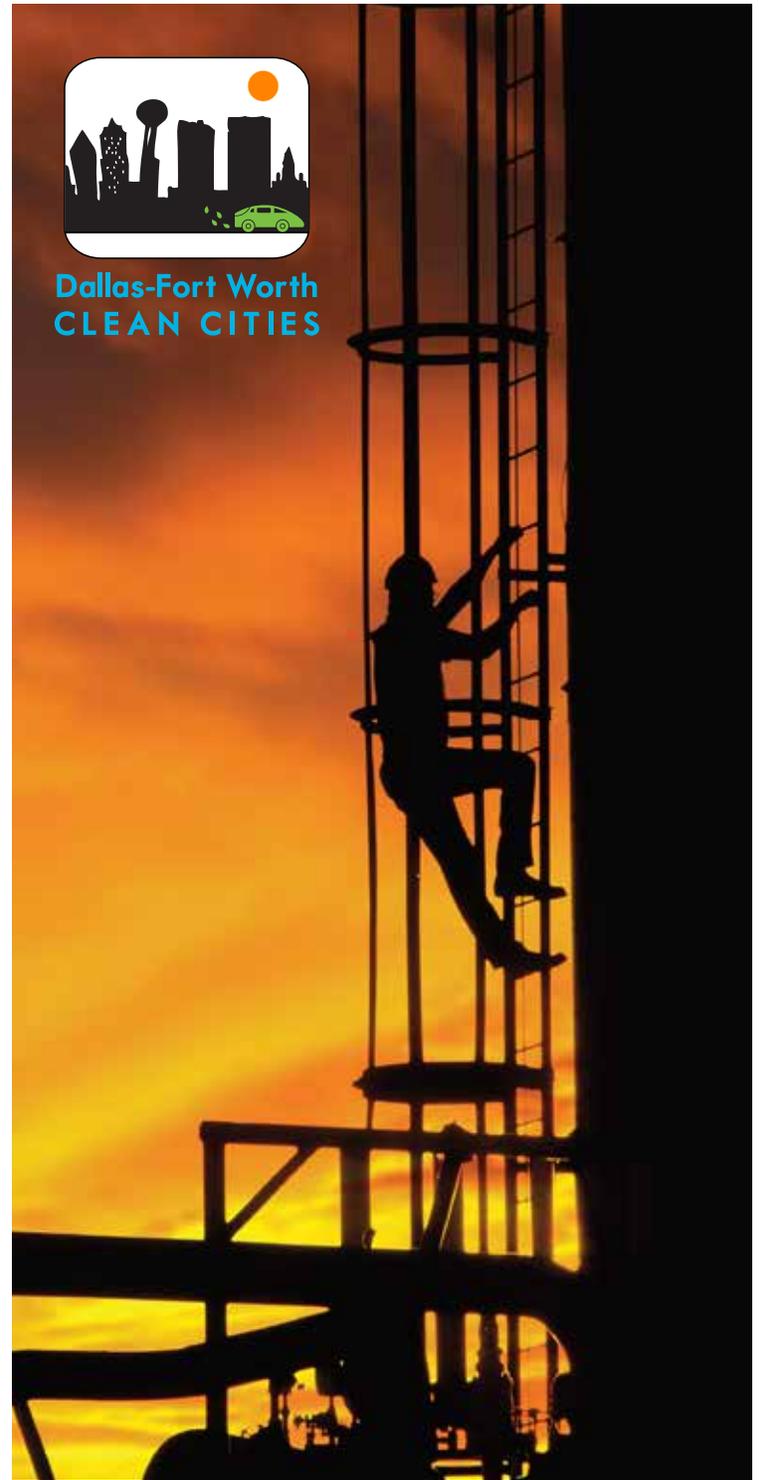
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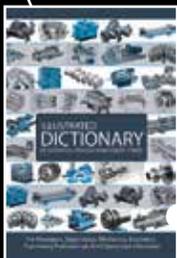
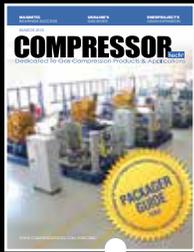


Dallas-Fort Worth
CLEAN CITIES



Leading the region in petroleum
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and increase energy security

dfwcleancities.org



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