HHP SUMMIT 2014
October 6-9 | New Orleans
Ernest N. Morial Convention Center
Natural Gas for High Horsepower Applications

www.hhpsummit.com

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MNCGA

NCGA
to New Orleans for North America’s largest conference and expo dedicated to the use of natural gas for high horsepower applications—including marine, rail, mining, drilling, pressure pumping, and remote power generation.

Attendees have gathered from all corners of the world to discuss the tangible partnerships and investments driving the industry forward. From new LNG production plants to multi-vessel deployment projects, hundreds of millions of dollars are being invested in natural gas for high horsepower projects throughout North America.

We invite you to make the most of your HHP Summit experience by exploring the expo hall floor, participating in technical workshops, attending sector-specific “how-to” educational sessions, and making new business connections throughout the week.
On behalf of our presenting sponsors—Caterpillar, Chart Industries, and Pivotal LNG—welcome to the 2014 High Horsepower Summit.

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. As the team at GNA worked on the development of this year’s event, it was clearly evident that this is an idea whose time has certainly come full circle. The interest in the 2014 event was instant and highly contagious as evidenced by the roster of sponsors, attendees, and industry stakeholders who confirmed attendance and participation earlier than ever. We are thrilled to now raise the curtain on an exciting three-day program and to share an agenda reflective of the most important topics and concerns in high-fuel use operations today.

Working together with our event stakeholders, the GNA team creates the HHP Summit program, drawing upon insight gathered from more than 20 years of clean transportation and energy consulting experience. We’ve worked side by side with high horsepower and natural gas innovators to pioneer North America’s largest and most forward-thinking clean fuel projects. Early adopters of natural gas technologies are realizing the tremendous synergies that exist across the marine, rail, mining, drilling, pressure pumping, and stationary power generation sectors. By collaborating to drive infrastructure development, technology and engine advancements, and the creation of up-to-date regulations and policies, all high horsepower sectors stand to benefit economically.

The discussions you will engage in here at the Summit will tie agenda content together with the connections and people you need to know to expand the use of natural gas in your own operations. The Expo Hall is larger and more vibrant than ever and will provide firsthand access to technologies, equipment, and ideas ready to work for you. Our goal has always been to create a forum where attendees can find tools, information, and resources relevant to their own industry and business operations—we hope you’ll feel as if your expectations have been more than exceeded on this front.

We are thrilled to gather here in the wonderful city of New Orleans—an epicenter of HHP activity along the Gulf Coast. Strong support from the city, the Port of New Orleans, and local and regional businesses has allowed us to create a program that showcases the very best of progressive advancements in HHP technologies, equipment, and operations. One look at our speaker lineup confirms that the HHP Summit undoubtedly delivers the highest caliber and quality of content in the industry. We are glad that you made the decision to attend and that you are here with us today.

My sincerest welcome to the “Crescent City” and to the 2014 HHP Summit. We look forward to making real progress together.

Erik Neandross
Chief Executive Officer
Gladstein, Neandross & Associates
HHP Customers and Industry Partners,

On behalf of Caterpillar I would like to welcome you to this year’s Summit and thank you for joining us. We’re very excited about the agenda for the next two days because we know the dialogue around the opportunities for natural gas will be elevated through the workshops, keynotes, and displays at this event.

As a community of leaders, innovators, and customers we stand together at a pivotal moment in the development of technologies and infrastructure to further the integration of natural gas into our industries, businesses, and operations. We are partners in helping to harness the potential of natural gas and define its future impact on the world. The global economic drivers are compelling, as are the value propositions for our businesses. Our conversations over the next two days will move the needle further forward as we deepen both our understanding of the present and our shared vision for the future of natural gas.

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.

Tana L. Utley
Vice President
Caterpillar Inc.
Dear Conference Participants,

On behalf of Chart Industries, I’m pleased to welcome you to the 2014 High Horsepower Summit in the vibrant city of New Orleans. In the three years since the inception of this conference, the attendee list has doubled and the demand for natural gas as a fuel alternative to diesel in HHP applications has continued to grow at a steady pace. I look forward to seeing continued growth, as enthusiasm and a willingness to embrace change help define the incredible opportunities that lie ahead for this industry.

Natural gas has demonstrated increased adoption and tremendous staying power in a growing number of high horsepower applications including rail, mining, marine, power generation, on-road transportation, oil and gas drilling, and pressure pumping services. Key players are realizing the potential for the US and global economy and experiencing the enormous advantages of switching to the cleanest of all fossil fuels, natural gas.

Chart is dedicated to fueling the energy revolution with cost-effective, highly engineered solutions that serve the entire LNG value chain, including liquefaction, distribution, storage, and end use. Our experience in LNG goes back more than 40 years, and we continue to look for innovative ways to help our customers reap the most benefits from using a safe fuel alternative to diesel.

We look forward to collaborating with a diverse group of industry leaders and technology experts from around the world who share Chart’s passion, vision, and commitment to move the industry forward in a week that is sure to boost momentum around natural gas adoption in the high horsepower sector.

I hope you enjoy the conference.

Sincerely,

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

On behalf of Pivotal LNG, I am very pleased to welcome you to the 2014 HHP Summit in New Orleans. Pivotal LNG is committed to expanding the availability of liquefied natural gas (LNG) as an alternative fuel, and we believe events such as this present an invaluable opportunity to learn, share and collectively move us toward a more secure and environmentally responsible energy future.

As you probably know, natural gas is a safe, reliable energy source for more than 175 million Americans, and it touches nearly every segment of our lives. LNG demand is growing and is now being utilized in a variety of applications, including transportation, power generation, drilling and other high-horsepower applications. Additionally, increasing environmental restrictions make LNG a prudent and stable alternative as it produces lower emissions than petroleum-based fossil fuels.

As we will learn during this Summit, the use of LNG as a substitute fuel is increasing rapidly as new technologies and applications emerge. The unprecedented growth in domestic supply of natural gas and the resulting economic advantage continue to drive innovation, and we are seeing the results firsthand. Pivotal’s 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 HHP’s program again this year. We hope you will have time to visit our booth (#730) so we can explore how we can work with you to develop an LNG fueling solution that meets your needs.

Sincerely,

Steve Cittadine
President
World renown experts providing proven Lurgi methanol technology.
Technology you can trust.

Air Liquide Global E&C Solutions has the answer to your methanol production needs. Furthermore, our technology is so advanced that we are able to incorporate in our designs any feedstock composition. As the world leader in methanol production technology, we can engineer a plant highly efficient and reliable – a made-to-measure facility that meets your goals and challenges. What’s more, we can build a facility of greater capacity than any other manufacturer. The result is unparalleled economies of scale and reduced total cost of ownership.

www.engineering-solutions.airliquide.com

October 7, 2014

Dear Summit Participants,

Let me start by welcoming you to our great state of Louisiana, and this incredible city New Orleans. I am proud to welcome you as a visiting attendee to the 2014 High Energy Power (HEP) Summit. The opportunities provided at this event to meet industry experts and discuss new technologies ensures an important exchange of ideas expanding use of our abundant natural gas.

Equipment needed to harvest our fields, facilitate mining operations, move large marine vessels, and operate increasingly complex drilling and pumping operations rely on our resources like natural gas. Without natural gas and fossil energy most of the great achievements we have enjoyed as a modern society would not be possible. America’s abundant natural gas has reinvigorated innovation and investment in technologies that can expand the use of this wonderful energy source. HEP represents an important intersection in the ongoing discussions of how to advance technologies utilizing natural gas.

I am hopeful that the opportunities and technology innovations you witness here will provide a springboard for future endeavors to incorporate much of the equipment that will be on display. It was not long ago that Americans knew little about shale energy and the natural gas resources that were abundantly available in the United States. Today, the entire country is recognizing the benefits of what America has blessed with. Despite the many challenges ahead for our economy and domestic energy production, recognizing the opportunities on display at HEP is a great experience for all those in attendance.

As the United States continues to enjoy the shale gas revolution that has reinvigorated our manufacturing sector, unleashed new and exciting technologies, and continues to provide high-paying jobs that strengthen our economy, I would like to thank you for coming to Louisiana to participate. May your time in New Orleans be enjoyable, and as we say here in Louisiana, ‘Laissez les bons temps rouler.’

Sincerely,

David Vitter
United States Senator
Steering America toward a cleaner energy future.

Clean, abundant natural gas is turning the tide in the shipping industry, fueling vessels that lower emissions by up to 97%. Think about it.

MARY L. LANDRIEU
COLUMBIA

United States Senate
WASHINGTON, DC 20510-1904

September 2, 2014

Dear Attendees:

Welcome to the 2014 High Horsepower Summit and to New Orleans! It is always exciting to see industry leaders come together to discuss the benefits of harnessing the game-changing potential of natural gas in the marine, mining, rail, drilling and pressure pumping industries. This year’s convention is sure to be successful, and its location is in the epicenter of the American Energy Revolution.

With 33 ports across Louisiana, our maritime industry supports thousands of communities and families every day. One in every five Louisiana jobs is connected to Louisiana’s ports that handle one-quarter of the nation’s waterborne commerce and import $108 billion and thousands of jobs into Louisiana’s economy every year. As a result of this conference, I hope more industry leaders see the economic benefits of utilizing natural gas in their maritime businesses—which will keep our families working and our communities thriving.

Again, welcome and I hope the 2014 HHP Summit is successful this year and in the years to come.

With warm regards, I am

Sincerely,

Mary L. Landrieu
United States Senator

M.L.L.14
Cummins is leading the way in providing power from alternative fuels – part of our commitment to being a global power leader. We have been pioneering the design and use of integrated subsystem technology such as combustion, controls, fuel systems, filtration, air handling and aftertreatment to make alternative power a reality.

Today, we are producing a broad range of natural gas power and our dual fuel engines provide seamless transitions from diesel fuel to dual fuel operation. Visit cumminsengines.com to see how we could help you make the move to economical and reliable natural gas.

Sincerely,

Cedric L. Richmond
With safety and quality being top of the agenda for the new DNV GL, the world’s largest classification society, we put greater focus on risk-based rules, safety barriers and identify high-risk areas to ensure your safer application of LNG fuel.


www.dnvgl.com
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DISTRIBUTED LNG TECHNOLOGY.

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The Last Mile™ Fueling Solution, an innovative joint venture between Ferus Natural Gas Fuels and GE Oil & Gas, is a fully integrated technology and logistics system that captures natural gas directly from flare stacks. The gas is captured, cleaned, compressed and delivered to remote E&P areas and used in other high horsepower applications, creating a cleaner and more economic fueling solution.

To learn more, visit ferus.com.
Expo Hall Schedule

**Tuesday October 7**
5:00 p.m. - 7:00 p.m. Expo Hall Grand Opening and Welcome Reception, sponsored by GE

**Wednesday October 8**
7:30 a.m. - 8:30 a.m. Continental Breakfast in the Expo Hall, sponsored by Air Liquide
7:30 a.m. - 12:00 noon Networking in Expo Hall
12:00 noon - 3:00 p.m. Networking Reception in the Expo Hall, sponsored by ABB
4:30 p.m. - 6:30 p.m. Networking in Expo Hall

**Thursday October 9**
7:30 a.m. - 8:30 a.m. Continental Breakfast in the Expo Hall, sponsored by Air Liquide
8:30 a.m. - 1:00 p.m. Networking in Expo Hall
1:00 p.m. - 3:00 p.m. Networking Reception in the Expo Hall, sponsored by ABB
3:30 p.m. - 5:00 p.m. Networking in Expo Hall

**Exhibitors**

- 329 - ABB
- 614 - ABS
- 240 - Accurate Technologies, Inc.
- 850 - ACD Cryogenics
- 338 - Altronic GTI
- 838 - American Power Group
- 526 - America’s Natural Gas Alliance (ANGA)
- 128 - ANGI Energy Systems
- 912 - Applied Cryo Technologies
- 715 - Applied LNG
- 616 - AVL
- 814 - Bestobell
- 132 - CanGas
- 528 - Caterpillar
- 940 - Cazgir
- 718 - Chart Inc.
- 848 - Clean Energy
- 832 - Clean Marine Energy
- 130 - CMR Group
- 542 - CombAp
- 121 - Continental Controls
- 642 - Cryostar
- 820 - Cummins
- 413 - Diesel & Gas Turbine Publications
- 912 - Dragon/Applied Cryo Technologies
- 544 - Dresser-Rand
- 228 - Energy Conversions
- 328 - Excel Engineering
- 812 - Fairbanks Morse Engine
- 448 - Federal Mogul
- 244 - Ferus
- 514 - FlexGen Power Systems
- 516 - FNX LNG
- 438 - Galileo LNG
- 644 - GE
- 638 - GFS Corp
- 805 - Gladstein, Neandross & Associates (GNA)
- 135 - Global Fabrication
- 416 - OP Strategies
- 140 - Hexagon Lincoln
- 133 - Hitachi High Technologies
- 139 - Hoffer Flow
- 332 - HosePower USA
- 340 - Hy-Lok USA
- 738 - INOXICVA
- 615 - Interstate-McBee
- 129 - Intertek
- 349 - JC Carter
- 141 - Karl Dungs
- 828 - Katz Engineering – Emerson Industrial Automation
- 134 - Ludeca, Inc.
- 512 - Macro Technologies
- 513 - MAHLE
- 238 - MIRATECH
- 917 - Monico
- 326 - MSA Safety
- 420 - Norgren
- 612 - Parker Hannifin
- 816 - Perma-Pipe, Inc.
- 136 - PHPK Technologies
- 730 - Plutal LNG
- 712 - Power Solutions International (PSI)
- 334 - Prometheus Energy
- 933 - PSB Industries
- 935 - REY LNG
- 842 - Ricardo
- 520 - Rolls-Royce
- 939 - Senior Flexonics
- 620 - Shell Oil Products
- 226 - Southwest Research Institute
- 913 - Stabilis Energy
- 126 - Sulzer Turbine
- 538 - Taylor-Wharton
- 320 - Thigpen Energy
- 814, 816 - W&O
- 946 - Trinity Cryogenics
- 642 - WesPac Midstream
- 430 - Westport
- 522 - Woodward
- 928 - Worthington Cylinders

Get hands-on access to the latest natural gas engines, equipment, technology, and fueling solutions for HHP operations.
Enjoy this rare opportunity to get hands-on access to the latest technology and take a look “under the hood.” Representatives will be on hand to talk about engine and equipment specifications and answer questions.

Equipment Displays

- TITAN™ CNG Module – Hexagon Lincoln
- LNG Mobile Regasification Trailer – Thigpen
- ISO Container – Worthington
- 3512C Engine Generator with Dynamic Gas Blending Technology – Caterpillar
- VHP L704G51-EPA Natural Gas Engine – GE Waukesha
- Cryobox Nano LNG Station – Galilee
- Transport Trailer – WesMor Cryogenic
- LNG Cryogenic Transport Trailer – Applied Cryo Technologies / Dragon Products
- LNG Mobile Regasification Trailer – Thigpen
- QSK50 with Dual-Fuel Technology – Cummins
- GSX50 with Dual-Fuel Technology – Cummins
Domestically produced, clean-burning natural gas provides many marine vessel operators the most cost-effective solution to meet swiftly approaching ECA compliance regulations. Given the promising outlook on long-term fuel cost savings due to the North American shale gas revolution, the first LNG vessels in North America are beginning to hit the water.

North American port authorities and HHP experts will provide essential information on codes, safety considerations, real estate requirements, permitting steps, project timelines, and more for both land-side LNG plant development and water-side delivery of LNG by bunkering barges.

Welcome & Opening Remarks
Erik Neandross, Chief Executive Officer, Gladstein, Neandross & Associates
Opening Remarks
Gary LaOrange, President and Chief Executive Officer, Port of New Orleans

Project Planning & Critical Safety Information
MODERATOR: John Holmes, Transportation Research Board
- Rick Cameron, Managing Director of Environmental Affairs and Planning, Port of Long Beach; Chair, AAPA Environmental Committee
- Timothy Meyers, Office of Design and Engineering Standards, US Coast Guard
- Jaysen Bridges, Vice President of Systems Sales, Chart - Energy & Chemicals

Key Considerations for LNG Plant Development: Codes, Standards, Permits, and Development Timelines
Jan Hagen Andersen, Principal Engineer Americas, Maritime Advisory, DNV GL

Safeguarding US Ports for LNG Bunkering

Project Spotlight: Making Ideas a Reality
MODERATOR: Cliff Gladstein, President, Gladstein, Neandross & Associates
- David Stubbs, Senior Director, Planning and Commercial Development, Port of Jacksonville
- Walter Meier, Founder & Chief Executive Officer, LNG America
- Clay Riding, Director, Natural Gas Resources, Puget Sound Energy

Developing an LNG Production Facility in a North American Port
Readying North American Ports for LNG Infrastructure
Monday, October 6
1:30 p.m. to 5:00 p.m.
Technical Workshop

**LNG Plant Development: Strategy, Timelines, and Key Considerations**

**Monday, October 6**
2:00 p.m. to 4:30 p.m.

**Workshop Overview**
North American shale gas continues to present multiple high horsepower industry segments with the opportunity to significantly reduce fuel costs, improve environmental performance, and comply with important air quality regulations. A number of commercial deployments and pilot demonstrations and evaluations are now underway, shining a spotlight on the critical need to ensure reliable LNG supply throughout North America.

The creation of an LNG production facility may be the best way for HHP operations to ensure adequate fuel supply at the lowest long-term price. This workshop will examine the key steps and timelines associated with LNG plant development—from identifying and purchasing an ideal site, to permitting, construction, start-up, and operation.

**MODERATOR:** Lance Remington, Small-Scale LNG Global Sales Manager, GE Oil & Gas

- Travis Balaski, Senior Manager, Market Development, Ferus Natural Gas Fuels
  *Site Identification and LNG Plant Size Selection Process*
- Shaunt Hartounian, Vice President of Business Development & Strategic Relations, Applied LNG
  *Strategies for Buying an LNG Plant: Procurement, Financing, and Partnerships*
- Chris Hosford, Consultant, CHI Engineering Services
  *Guidelines for Successful Permitting of LNG Facilities*
- Koby Knight, Vice President of Construction, Stabilis Energy
  *Construction, Start-Up, and Operational Considerations*
- Curtis Rueter, Manager, LNG/CNG Development, Noble Energy
  *Case Study: Lessons Learned and Plans for the Road Ahead*
What makes Hexagon Lincoln’s TITAN™ ideal for gas distribution?

• Holds four times more and weighs 75% less than steel tubes
• Specifically designed for bulk transportation of energy gases
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• Large manifolds and tube diameters allow for high flow of gas
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Hexagon Lincoln’s TUFFSHELL® is the leading Type 4 CNG tank for NGVs — used in passenger cars, transit buses, commercial trucks, and heavy duty vehicles worldwide. We set the standard for excellence with a proven market record and safe design for reliable operation.

Reduce operating costs and emissions. Maximize the benefits of natural gas.

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Technical Workshop

Navigating Project Development: Key End-User Considerations for HHP Project Planning & Optimization

Tuesday, October 7
9:00 a.m. to 11:00 a.m.

Workshop Overview

North American shale gas continues to present multiple high horsepower industry segments with the opportunity to significantly reduce fuel costs, improve environmental performance, and comply with important air quality regulations. With increasing commercial deployments and multiple pilot demonstrations and evaluations now underway, this technical workshop is designed to help attendees understand not just Why to implement natural gas in your HHP operation, but HOW.

Learn how to develop your own roadmap to plan and execute your next natural gas-powered HHP project. Industry experts will advise on high-level project planning, engine and technology selection, and fuel supply logistics, as well as permitting and safety considerations for the deployment of natural gas equipment and the procurement of natural gas fuel.

MODERATOR: Max Simnitt, Director of Operations & Projects, Prometheus Energy

• David Ross, Vice President of Demand Development, EQT
  Who Do I Call First? Where Do I Start?

• Dean Purcelli, Senior Vice President, Business Development, Stabilis Energy
  Key Steps to Project Planning to Achieve Maximum Fuel Displacement

• Mark Kuhn, Vice President, Ricardo Strategic Consulting
  End-User Valuation and Decision Matrix for Natural Gas Operations

• Andrei Ludu, Deputy Vice President, Large Engines, AVL List GmbH
  Selecting the Right Technologies and Understanding Performance Expectations

• Chris Pritchard, Natural Gas Product Manager, Cummins
  Impact of Gas Quality, Kit Performance, and Customer Service
Access the most up-to-date agenda information at www.hhpsummit.com.

**MONDAY, OCTOBER 6**

1:30 p.m. - 5:00 p.m. **TECHNICAL WORKSHOP**
Readying North American Ports for LNG Infrastructure Development

**TUESDAY, OCTOBER 7**

9:00 a.m. - 11:00 a.m. **TECHNICAL WORKSHOP**
Navigating Project Development: Key End-User Considerations for HHP Project Planning & Optimization

**THURSDAY, OCTOBER 9**

11:30 a.m. - 11:40 a.m. **TECHNICAL WORKSHOP**
HHP Summit 2014 Conference Welcome

**OFFICIAL CONFERENCE OPENING**

**MONDAY, OCTOBER 6**

11:30 a.m. - 11:40 a.m. **OPENING ADDRESS**
Moving America by Land and by Sea: How Natural Gas is Changing the High Horsepower Game

**TUESDAY, OCTOBER 7**

11:40 a.m. - 12:00 noon **OPENING ADDRESS**
Conference Welcome

**THURSDAY, OCTOBER 9**

12:00 noon - 1:00 p.m. **OPENING ADDRESS**
Opening Luncheon

**TECHNICAL WORKSHOP**

For more information, see page 31.
For more information, see page 33.

**GENERAL SESSION**

**BREAKOUT SESSION**

**OTHER EVENT**
Agenda

1:00 p.m. - 1:30 p.m.  
Keynote Address  
Tana Utley, Vice President, Large Power Systems, Caterpillar

1:30 p.m. - 3:00 p.m.  
PLENARY SESSION #1  
Partnerships, Investments, and Progress: Today’s HHP Reality  

From new LNG production plants to multi-vessel deployment projects, hundreds of millions of dollars are being invested in natural gas projects throughout North America. The excitement and enthusiasm of prior years is now being translated into real, tangible, and sizeable investments made by partners working together to advance their individual projects and the industry as a whole. Senior executives from the projects leading the natural gas HHP sector will present, together with their partners, on the criteria that made the business case to begin transitioning to natural gas, the importance of their respective strategic partnerships, and other considerations and lessons learned along the way.

MODERATOR: Erik Neandross, President & Chief Executive Officer, Gladstein, Neandross & Associates
- Sam Thomas, Chairman, Chief Executive Officer & President, Chart Industries, with Curtis Rueter, Manager, LNG/CNG Development, Noble Energy
- Peter Tumminello, Executive Vice President, Wholesale Services, AGL Resources with Peter Keller, Executive Vice President, TOTE
- Eddie Green, General Manager, Shell LNG for Transport, with Chad Verret, Executive Vice President Alaska & LNG Operations, Harvey Gulf
- Steve Cittadine, President, Pivotal LNG, with Matt Jackson, Vice President, LNG Business Development, Crowley Maritime, with
3:00 p.m. - 3:30 p.m. Networking Break

3:30 p.m. - 5:00 p.m. BREAKOUT SESSION 1.1
Case Studies: LNG Vessels Hitting the Water

MODERATOR: Cliff Gladstein, President, Gladstein, Neandross & Associates
- Chad Verret, Executive Vice President Alaska & LNG Operations, Harvey Gulf
- Dave Groh, Vice President, Van Enkevort Tug & Barge, with Pace Ralli, Co-Founder, Clean Marine Energy
- Matt Jackson, Vice President, LNG Business Development, Crowley Maritime
- Max Kommorowski, Director LNG Hybrid, Becker Marine Systems

3:30 p.m. - 5:00 p.m. BREAKOUT SESSION 1.2
Drilling Engines & Conversion Kits: Optimizing Fuel Cost Savings

MODERATOR: David Ross, Vice President of Demand Development, EQT
- Darin Bohlmann, Marketing Representative, Caterpillar
- Aaron Trexler, Product Line Director, GE Power & Water
- Steven Roix, GTI Bi-Fuel Sales Manager, Altronic
- Lyle Jensen, Chief Executive Officer & President, American Power Group

Though the abundance of domestic natural gas is a key driver for all of the HHP industries, the marine sector is seeing additional incentive in the form of fast-approaching Emission Control Area (ECA) requirements in North American and European coastal waters. As natural gas offers the most economical way to meet these standards, the past year has seen a dramatic increase in the number of marine end users evaluating and confirming plans to construct new vessels that operate partially or entirely on LNG. Various marine vessel owners and operators (i.e. end-users) will highlight the major advancements and investments being made within this sector, the partnerships that have been critical to these initiatives, expected outcomes and definitions of success, expected net cost savings, and these companies’ plans for the future.

Drilling operations across North America continue to make the switch to natural gas powered rigs, as proven engine technology and cost savings become too enticing to ignore. Learn about the latest developments in natural gas powered technology from industry leaders, who will join us to showcase their innovative dedicated and dual fuel engine and conversion kit availability. Presenters will detail key considerations needed to maximize diesel displacement and get the most fuel cost savings in daily operations.
Agenda

Access the most up-to-date agenda information at www.hhpsummit.com.

3:30 p.m. - 5:00 p.m. BREAKOUT SESSION 1.3
Case Studies: Pressure Pumping Powered by Natural Gas

Gain invaluable insight from pioneering companies that have tested and operated natural gas powered pressure pumping equipment in the nation’s shale plays. End-users will share their ‘start to finish’ experience as they discuss the decision making process to identify the right technology for their project, real life operational challenges, actual fuel cost savings, and the partnerships that have lead to successful projects.

MODERATOR: Dean Purcelli, Senior Vice President, Business Development, Stabilis Energy
• Toby King, Manager, Engineering and Standardization, Nabors Completion & Production Service Company
• Curtis Rueter, Manager, LNG & CNG Development, Noble Energy
• Grant Ayo, Engineering Manager, Weatherford
• Randy Hull, Vice President of Business Development, Prometheus Energy

3:30 p.m. - 5:00 p.m. BREAKOUT SESSION 1.4
Rail Fueling: Tender Cars Finally Leaving the Station

Despite rising interest in LNG and CNG locomotives, regulation is struggling to keep up with the industry, where standards for LNG transport have not previously existed. Key industry players—who are working hard to overcome these roadblocks and are proving natural gas rail viability through pilot projects—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. Topics will include tender car design, fueling network build out, and the establishment of safety regulations to advance the industry.

MODERATOR: David Branyon, Staff Engineer, Design and Development, Southwest Research Institute
• Nicholas Chase, Economist, Energy Information Administration
• Brian Dracup, Senior Director of LNG Tender Program, Westport
• Scott Nason, Product Manager - Railroad Product Group, Chart
• David Scott, President, OsComp Rail

3:30 p.m. - 5:00 p.m. BREAKOUT SESSION 1.5
Mining Operations: Unearthing Opportunities for Cost Savings

Open-pit mining operations offer tremendous opportunity to reduce fuel costs and emissions through the substitution of diesel with natural gas. This session will include engine manufacturers and fueling solution providers working to advance the use of natural gas in mine haul trucks and on-site power generation, as well as highlight end-user case studies of mining companies testing these technologies within their own operations.

• Jeff Taylor, Large Mining Trucks LNG Project Manager, Caterpillar
• George Aguilera, Executive Vice President, GFS
• Charles Ely, General Manager, Distributed LNG Solutions, Dresser-Rand
• John Sagman, Senior Vice President & Chief Operating Officer, Wellgreen Platinum, with Dave Willick, Commercial Director, North America, GE Mining

5:00 p.m. - 7:00 p.m. Expo Hall Grand Opening & Welcome Reception

Attendees will explore the largest HHP Summit floor to date packed with high horsepower equipment, fuel providers and more. This reception provides an opportunity to examine the latest products and equipment up close while enjoying foods and drinks, visiting with old friends and colleagues, and establishing new relationships.

At GE Oil & Gas, we are building the infrastructure to support the growth of natural gas use. Come visit our facility in Schertz, TX where we are building small-scale LNG plants today to fuel the future.

Visit us at booth #646 for more information.

GE Oil & Gas
Setting a new standard for reliable, efficient rig power

For the oil & gas industry, power generation is a key component of the critical infrastructure to run safe, reliable and efficient operations. GE’s mobileFLEX product portfolio delivers lower-cost, lower-emission power to drill rigs, artificial lift enhanced oil recovery and oilfield equipment. As an all-gas alternative to diesel units, the mobileFLEX portfolio of Waukesha* and Jenbacher gas engines are EPA mobile certified solutions that provide a cost advantage to producers and an operational advantage to drilling contractors by utilizing field gases.

For more information, visit us in booth #646.
### Agenda

**3:00 p.m. - Breakout Session #2**

#### BREAKOUT SESSION 2.1

**Marine Bunkering: Fueling Solutions for Whatever Floats Your Boat**

As natural gas for domestic marine operations becomes a closer reality, various strategies have emerged to supply LNG to these vessels. Session participants will discuss the various options, including dock-side fueling via tanker truck, bunker barge delivery, direct loading from a dock-side LNG plant, or other similar strategies. Panels will help attendees 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:** Tor Gunnar Hovig, Senior Vice President – North America, Commercial Marine, Rolls-Royce

- **David Schultz**, Senior Vice President, LNG America
- **Clay Riding**, Director, Natural Gas Resources, Puget Sound Energy
- **Speaker TBA**, Shell
- **Osvaldo del Campo**, Chief Executive Officer and Chief of Technology, Galileo

#### BREAKOUT SESSION 2.2

**Drill Rig Fueling: A Well of Reliable Resources**

As oil and gas exploration and production continues to increase domestically and globally, so does the demand for reliable fuel to power drilling operations. Fuel and refueling infrastructure providers will feature ground-breaking and cost-effective methods to introduce LNG, CNG, and/or field gas into E&P engines, in addition to discussing optimal fueling solutions that are best suited for each unique project. This session will showcase case studies where methane that would otherwise be flared is being captured and turned into high quality LNG and/or CNG for use by nearby rig operations.

**MODERATOR:** Madhukar Puniani, Business Development Manager, Parker Hannifin

- **Erik Langeteig**, Key Account Manager, Chart Inc.
- **Phil Fusacchia**, Last Mile Fueling Program Manager, GE Oil & Gas
- **Steve Stump**, Vice President, Sales, Stabilis Energy
- **Sam Thigpen**, President & Chief Executive Officer, Thigpen Energy

#### BREAKOUT SESSION 2.3

**Pressure Pumping Engine Optimization: Fracturing Your Fuel Costs**

The popularity of natural gas fuel use in hydraulic fracturing operations is on the rise, as evident by the increasing number of dual fuel and dedicated gas pressure pumping technologies seen in the field. This moderated discussion will give attendees the opportunity to educate themselves on the latest product developments, critical operational considerations when comparing and selecting these products, and other important factors required to optimize diesel fuel substitution and thus fuel cost savings. Product experts will address the factors that contribute to varying substitution rates, including engine load as well as the source, quality, and type of fuel utilized.

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

- **Derek Kamp**, Corporate Account Manager, Caterpillar
- **Shane Cannon**, Territory Manager, Cummins
- **Lyle Jensen**, Chief Executive Officer & President, American Power Group
- **Paul Hanson**, Senior Application Engineer, CornAp
- **Alex Quintero**, Field Service Engineer, Altronic
3:00 p.m. - 4:30 p.m. BREAKOUT SESSION 2.4
Case Studies: On Track for the Long Haul

Nearly all of the North America Class I railroads and many short line railroads have considered and/or announced natural gas locomotive project efforts. While there are many moving pieces to these projects, alignment can be found, natural gas locomotives potentially offer significant fuel cost savings to a railroad that burns copious amounts of diesel fuel each year. As an added benefit, these natural gas locomotives will dramatically improve the environmental performance of these railroads and possibly provide a cost-effective approach to meeting upcoming Tier 4 emission standards. While significant regulatory uncertainty still exists in this sector, leading North American railroads are working to further evaluate the tremendous opportunity potentially provided by natural gas locomotives. This panel of leading North American locomotive companies will provide updates and perspectives on these exciting developments, overviews of their work with the FRA on safety standards and regulatory certainty, and their respective plans for the future.

MODERATOR: Brian Dracup, Senior Director of LNG Tender Program, Westport
- Allen Rider, Manager, Locomotive Engineering, Norfolk Southern
- Louis Renjel, Vice President, Strategic Infrastructure Initiatives, CSX
- Michael Nicoletti, Director of Purchasing & Project Manager, Indiana Harbor Bell Railroad
- Leslie Olson, Alternative Fuels Specialist, Farmrail Systems

3:00 p.m. - 4:30 p.m. BREAKOUT SESSION 2.5
Powering Industry Beyond the Pipeline

In areas where natural gas pipelines do not exist, natural gas can still be a viable fuel source to meet the needs of industrial operations requiring power generation. Fuel providers can extend the “virtual pipeline” to provide LNG and CNG for remote end-users, significantly reducing the costs for operations where diesel has previously been the only option. End-users and fuel-providers will highlight real-world case studies and review key considerations in the development of an off-pipeline natural gas project.

MODERATOR: Brent Haight, Editor & Publisher, Diesel & Gas Turbine Publications
- Francois-Xavier Saury, Business Development and Key Accounts Manager, Caterpillar
- Paul Sjogren, General Manager - LNG Emerging Markets, Chart Inc.
- Max Komorowski, Director LNG Hybrid, Becker Marine Systems
- Paul Miller, President, Genalta Power

4:30 p.m. - 6:30 p.m. Networking Reception in the Expo Hall

At no time in the history of our industry has natural gas been poised to play a more important role in the global energy picture. The ‘natural gas revolution’ is the most significant energy development in decades.

The benefits of natural gas in meeting our future energy needs are well-documented:
- Its supply is abundant and diverse, which means greater energy security
- Natural Gas is a clean-burning alternative to traditional fuels such as diesel
- Natural Gas is extremely flexible. It can be converted to liquid fuels, transported easily, and used to make other products

Technological innovation continues to differentiate Shell from its competition and today Shell is the leading Independent Oil Company in LNG, FLNG and GTL. The company is developing innovative integrated applications, such as gas to chemicals and LNG for transport. The integrated gas value chain has grown into a key business for Shell. We have an excellent track-record in project management, technology, innovation and partnerships.

In addition, we have global reach into the supply chain and customer base, and of course unrivalled economies of scale by full integration, giving us distinct industry advantages.

Shell is proud to be a Principal Sponsor of HHP Summit 2014. We invite you to come and visit us at Shell exhibition booth number 620. 
- Find out why Shell is an LNG leader
- Learn about efforts by Shell to develop a LNG Supply Network in North America for the offroad transportation sector
- Please visit our stand and talk to our team about developments in LNG for transportation and what Shell is doing to lead the way
- Learn about LNG heavy-duty engine testing being conducted at the Shell Center of Excellence Testing Facility

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TOMORROW’S FUEL TODAY

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THURSDAY, OCTOBER 9

7:30 a.m. - 8:30 a.m. Continental Breakfast in the Expo Hall
Sponsored by Air Liquide

9:00 a.m. - 10:15 a.m. PLENARY SESSION #3 Fundamentals of Natural Gas Procurement, Pricing Strategies, Contracts, and Risk Mitigation

Though the upward trend in natural gas production and usage is apparent, the process of buying natural gas is not always so clear. An end-user in any sector knows that the process of purchasing LNG is different from that of other petroleum-based fuels, but how exactly does a customer go about buying natural gas for their operations and what are the key considerations for such a transaction? Join us in this final plenary session as industry experts explain the basics of fuel sourcing; natural gas fuel pricing options; procurement strategies; delivery and measurement considerations; key contract terms; and price risk and risk mitigation options. As part of a rapidly-growing and evolving industry, attendees will learn directly from industry experts on how to master the basics of purchasing natural gas for your HHP operation.

MODERATOR: Greg Roche, Vice President, Sales & Marketing, Cosmodyne
• David Schultz, Senior Vice President, LNG America
  Speaking a Common Language: Measurement & Units for Buying and Selling Natural Gas
• Sean Turner, Chief Operating Officer, Gladstein, Neandross & Associates
  General Approach to Natural Gas Procurement and Key Contract Terms
• Jim Aivalis, President & Chief Executive Officer, Prometheus Energy
  Not All LNG is Created Equal: Potential Sources of LNG and Delivery Logistics Considerations
• Ben Go, Director of Structured Products, BP
  Price Risk, Price Risk Mitigation and the Basics of Hedging and Term Contracts
Agenda

10:30 a.m. - Breakout Session #3

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<th>BREAKOUT SESSION 3.1</th>
<th>LNG Vessels: Design to Delivery</th>
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<tr>
<td>MODERATOR:</td>
<td>Mark Masor, Naval Architect and Project Manager, Gibbs &amp; Cox</td>
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<td>Rich Delpizzo, Manager of Government Operations, American Bureau of Shipping Americas</td>
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<td>David Barr, Vice President, General Manager LNG, Taylor-Wharton</td>
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<td>Jeff Holyoak, Business Development Manager - LNG Onboard Fueling, Worthington Industries</td>
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<td>Leif Gross, Product Definition Manager, Caterpillar Marine Power Systems</td>
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10:30 a.m. - 12:00 noon

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<th>BREAKOUT SESSION 3.2</th>
<th>Case Studies: Groundbreaking Drilling Operations</th>
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<td>MODERATOR:</td>
<td>Charlie Riedl, Director, Market Development, America’s Natural Gas Alliance</td>
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<td>Jon McEvers, Drilling Manager, Antero Resources</td>
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<td>Mike Gautier, Maintenance Manager, Southwestern Energy</td>
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<td>Tim Tomlinson, Natural Gas Vehicle Operations Manager, Apache</td>
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<td></td>
<td>Julianne Heins, Director, Supply Chain, Seneca Resources</td>
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According to industry statistics and Westport analysis, global heavy off-road applications use more than 24 billion gallons of diesel each year, creating an attractive opportunity for significant cost savings and reduced emissions by using natural gas. Westport, EMD and Caterpillar are collaboratively developing gaseous fuel systems to allow locomotives to operate on high pressure natural gas; similar systems will be applied to large mine trucks. In parallel, Westport is developing liquefied natural gas (LNG) tenders to support the rail opportunity. The increasingly stringent emissions relations in the marine sector and the need to reduce operating costs in the exploration and production sector (E&P) create a strong pull for natural gas in these industries.
10:30 a.m. - 12:00 noon  BREAKOUT SESSION 3.3
Fuel Delivery to Frac Spreads: Pump Up the Savings

In shale plays across the country, there exists a clear upward trend of natural gas displacing diesel to power pressure pumping engines. This expert panel will discuss both the advantages and challenges to establishing infrastructure and delivery methods, all while maintaining the high power output necessary for these operations. Each project requires a unique approach depending on location, quality of the regional gas, and other requirements. Fuel solutions may include the use of CNG, LNG or field gas based on a variety of factors.

MODERATOR: Ian Patterson, Sales Director - Americas, JC Carter
- Randy Hull, Vice President of Business Development, Prometheus Energy
- Paul Evans, Executive Vice President, Ferus Natural Gas Fuel
- Steve Stump, Vice President, Sales, Stabilis Energy

10:30 a.m. - 12:00 noon  BREAKOUT SESSION 3.4
Rail Engines & Retrofits: Crossing Over to Natural Gas

Though the adoption of natural gas by the rail industry has been slow-going, in part due to regulatory uncertainty, equipment manufacturers have been moving quickly to produce commercial natural gas powered locomotive technology to meet significant anticipated demand. Major developers and modifiers at the front lines of this exciting technology will provide the latest updates on engine performance and projections for the future of this burgeoning industry.

MODERATOR: Bill Vantuono, Editor-in-Chief, Railway Age
- Marti Lenz, Director, Engine Systems, Electro-Motive Diesel
- David Mumford, Senior Director, Off-Road Partner Development, Westport
- Eric Dillen, Dual Fuel Engine System Leader, GE Transportation
- Scott Jensen, Chief Designer and Project Coordinator, Energy Conversions

10:30 a.m. - 12:00 noon  BREAKOUT SESSION 3.5
No Pipeline, No Problem: Delivering Natural Gas to Remote Locations

For island inhabitants and remote populations, high fuel costs have always plagued power production for both industrial applications and utility power. Natural gas delivered via a virtual pipeline in either liquefied or compressed form can significantly cut costs associated with power generation, relieving both manufacturers and ratepayers with expensive energy bills. Leading industry players and end-users will discuss how natural gas can offer significant environmental and economic benefits for areas where diesel is the dominant fuel and natural gas delivery has traditionally been impossible.

MODERATOR: Bobby Cushman, Director of Global LNG Sales, Taylor-Wharton
- Greg Buffington, Vice President, Carib Energy
- Frank Haebeli, Vice President, Gas Distribution Products, Hexagon Lincoln
- Kevin Nishimura, Director of Strategic Initiatives, Hawai’i Gas
- Michael Mackey, Vice President, Alternative Fuels Division, GP Strategies

12:00 noon - 1:00 p.m.  Networking in the Expo Hall
Lunch will be available for purchase in the Expo Hall.

1:00 p.m.  Expo Hall Closes
Tana Utley
Vice President, Large Power Systems Division, Caterpillar
Tuesday, October 7

Tana L. Utley is a Caterpillar Inc. vice president with responsibility for the Large Power Systems Division at Caterpillar Inc. Through this global organization, Caterpillar provides the most comprehensive lineup of engines in the industry, with technology solutions optimized for each engine platform, machine, and application. 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 degree in management from the Massachusetts Institute of Technology where she was a Sloan Fellow.

Lorraine Bolsinger
President & CEO, Distributed Power, GE
Wednesday, October 8

Lorraine A. Bolsinger is president and chief executive officer of GE Power & Water’s Distributed Power, a leading maker of equipment and provider of services focused on power generation at or near the point of use, on or off the grid. Distributed Power’s product portfolio includes highly efficient industrial aeroderivative gas turbines and reciprocating engines that generate 100 kW to 100 MW of power for numerous industries globally. Since joining GE in 1981, Bolsinger has held progressively larger roles in product management, sales, and marketing across GE Energy, Aerospace, and Aviation, serving such diverse industries and technologies as power generation, oil and gas, marine, and aviation for both military and civil markets. In 2005 she launched GE’s growth and environmental initiative, ecomagination™, growing revenues to $17B and reducing greenhouse gases by 13 percent in three years. Lorraine earned a bachelor’s degree in biomedical engineering from the University of Pennsylvania.

HHP Insight provides original, first-to-your-desk market intelligence on natural gas projects for high horsepower applications, natural gas engine developments, innovations in fueling, LNG production supply, and distribution opportunities. New articles are posted daily and delivered right to our readers’ inboxes via our engaging bi-weekly e-newsletter.

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Featured Speakers Biographies

Steve Cittadine | President, Pivotal LNG
Steve Cittadine, president of Pivotal LNG, was named president, Storage and Fuels, for AGL Resources in December 2011. He is responsible for midstream operations, which is comprised of the company’s LNG fuels and natural gas storage businesses. The company operates an LNG facility in Alabama and storage facilities in California, Louisiana, and Texas. The fuels business also markets LNG supply out of company’s regulated utility plants assisting in the optimization of those assets. Mr. Cittadine brings more than 28 years of experience in the natural gas industry to his role. Previously, he served as president of Nicor Enertech, LLC. Earlier in his career, Mr. Cittadine held various positions in engineering, business development, marketing, and trading at PG&E Energy Trading, Valero Gas Marketing, and MidCon Corp. Mr. Cittadine earned a BS in mechanical engineering from Purdue University and an MBA in finance and international business from the University of Chicago.

Marty Durbin | President & CEO, ANGA
Marty Durbin is president and chief executive officer of America’s Natural Gas Alliance (ANGA), representing North America’s largest independent natural gas exploration and production companies. In this role, he oversees ANGA’s work with industry, governmental, and consumer stakeholders to promote the increased use of America’s natural gas resources for a cleaner and more secure energy future. Prior to joining ANGA, Mr. Durbin served as executive vice president of government affairs at the American Petroleum Institute (API). In that role, Mr. Durbin was responsible for integrating all of API’s advocacy resources including government affairs, mobilization, communications, policy, and legal work in support of the organization’s priority objectives. Before his work at API, Mr. Durbin served as vice president of federal relations at the American Chemistry Council (ACC), directing federal legislative advocacy and coordinating direct lobbying, coalition building, and political programs. Mr. Durbin also currently serves as chairman of the board for A Wider Circle, a grassroots nonprofit organization that provides beds, furniture, basic need items, and support to families coming out of homelessness.

Eddie Green | General Manager, Shell LNG
Eddie Green currently serves as the general manager for Shell’s North American LNG for transport business development activities in the marine and stationary sectors. He is responsible for developing business strategy, sales and marketing plans, customer relations programs, customer value propositions, and supply chain partners. Drawing upon more than 30 years of experience in the energy industry, Mr. Green now manages a team with unique transport sector experience. The team is strategically positioned in key markets and is charged with identifying business opportunities, establishing and maturing operations, and developing plans for future growth of the division. Mr. Green joined Shell in 1991 as technical services manager of the new Shell fuel additives division of Shell Chemicals. Since then, he has held a number of business, technical, and management positions including general manager of Shell Marine Products, director of market and strategy of US commercial fuels, business development director of Shell Pipeline Company, manager of fuels business development for Shell Retail Marketing, and manager of automotive fuels technology for Shell Oil Products Company. Mr. Green graduated from Temple University with a bachelor of arts in chemistry and has completed numerous business and leadership programs including Shell Executive Leadership Program at the Wharton Business School.

Matt Jackson | Vice President, LNG Business Development, Crowley Maritime Corporation
Matt Jackson is the vice president of LNG business development at Crowley Maritime Corporation, where he leads Crowley’s global LNG initiatives across all business sectors. Some of these initiatives include LNG export, supply distribution, bunkering, and bulk transportation. He joined Crowley Maritime in 2002 and has worked in several areas of the company including liner shipping, logistics, and petroleum transportation. Before his move to Crowley, Mr. Jackson worked for a major consulting firm and was a US Air Force captain. He has a bachelor’s degree in mechanical engineering from the University of Alabama and a master’s degree in industrial engineering from the University of Arkansas.

Peter Keller | Executive Vice President, TOTE
Peter Keller is executive vice president of TOTE, where he assists in the oversight of both TOTE Shipbuildings and the TOTE Maritime Division of TOTE, which includes Sea Star Line and Totem Ocean Trailer Express. Mr. Keller joined TOTE in February 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 Ceos 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.

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Advanced Safety Driven by Innovation
Building on a rich legacy in marine and offshore classification, ABS is driving the next generation of safety standards. We make the world a safer place, and nothing is more important.
**Featured Speakers Biographies**

**Dale Nesbitt | President, ArrowHead Economics**

Dale Nesbitt is president of ArrowHead Economics LLC, and specializes in economic modeling and analysis, probability and risk, decision analysis, energy and resources, pricing, and management communication and education. He has worked on almost every major pipeline and LNG terminal that has entered since 1974, and has valued upstream, pipeline, and LNG assets in every area of North America and the world. He has developed power plants in a number of locations, calculated forward prices and price differentials in and between every North American electric generation region, and educated clients and managers in energy organizations worldwide. Previously, he cofounded the consulting company Decision Focus Incorporated and later Altos Management Partners. Dr. Nesbitt then founded MarketPoint Inc. to develop world class forward market and decision support technology to serve industry and government. Outside energy, Dr. Nesbitt’s consulting companies have done seminal work in high technology, airlines, rental car companies, telecommunications, transportation, infrastructure, resources, and environmental remediation. Dr. Nesbitt regularly briefs management and board level groups on energy and other commodity markets. Dr. Nesbitt holds a BS in engineering science from the University of Nevada—Reno, an MS in mechanical engineering at Stanford University, and a PhD in engineering-economic systems from Stanford University.

**Curtis Rueter | Manager, LNG & CNG, Noble Energy**

Curtis Rueter is the manager of LNG & CNG development in the US onshore operations for Noble Energy. Mr. Rueter is responsible for developing and implementing Noble’s LNG/CNG strategy for using natural gas as a transportation and motor fuel throughout its operation and in its supply chain. Noble’s initiatives in this area include the ongoing conversion of its lease operator truck fleet to bi-fuel vehicles, the use of LNG in drilling rigs and in its pressure pumping fleet, the construction of a LNG plant in northern Colorado, and a partnership with local Colorado school districts to convert to CNG school buses. Mr. Rueter also serves on the Board of N60America. Mr. Rueter received his BS in chemical engineering from Texas A&M University.

**Sam Thomas | Chairman, CEO & President, Chart Industries, Inc.**

Samuel Thomas has served as the chairman of Chart Industries’ board of directors since March 2007 and has served as the chief executive officer and president and as a member of its board of directors since October 2003. Prior to joining Chart Industries, Mr. Thomas was executive vice president of global consumables at ESAB Holdings Ltd., a provider of welding consumables and equipment. In addition to his most recent position at ESAB, Mr. Thomas was responsible for ESAB North America during his employment at ESAB Holdings Ltd. Prior to joining ESAB in February 1999, Mr. Thomas was vice president of friction products for Federal Mogul, Inc. Prior to its acquisition by Federal Mogul in 1998, Mr. Thomas was employed by T&N plc from 1976 to 1998, where he served from 1991 as chief executive officer of several global operating divisions, including industrial sealing, camsharts, and friction products.

**Peter Tumminello | Executive VP, Wholesale Services, AGL Resources**

Peter Tumminello was named executive vice president of wholesale services for AGL Resources in December 2011. In this role, he has executive oversight for AGL Resources’ marketing and trading business (Sequent Energy), storage business (Pivotal Storage), and fuels business (Pivotal LNG). He continues to serve as president of Sequent Energy Management, leading all aspects of Sequent’s operations. Mr. Tumminello brings more than 23 years of experience in natural gas marketing and trading and more than 29 years in the energy industry to his position. He previously served as executive vice president of business development and support for Sequent and as vice president of corporate development for AGL Resources. Mr. Tumminello joined the executive management team of Sequent in August 2003 as vice president of asset management and origination. Previously, 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. Mr. Tumminello earned his MBA from the University of Southwestern Louisiana and his BS in petroleum engineering from Louisiana Tech University. He serves on the advisory board for Tulane University’s Energy Institute as well as the Board of Trustees for Cristo Rey Jesuit High School in Houston.

**Chad Verret | Executive VP, Alaska & LNG Operations, Harvey Gulf International Marine**

Chad Verret is executive vice president of Alaska & LNG operations at Harvey Gulf International Marine. He joined Harvey Gulf in October 2008 where his duties included project management, project planning, and review and customer interface for both domestic and international markets. Mr. Verret, a native of Louisiana, is the fourth generation of his family to be involved in the marine business. Mr. Verret has worked extensively in the marine industry for the past 30 years, sharing his talents with a number of vessel operating companies both as a vessel master and shoreside operational support lead. He is the active lead on all LNG-related projects and heads the Alaskan business unit for Harvey Gulf in Anchorage, Alaska. His combination of shipboard and shoreside experience offers unique perspective in the dynamic and evolving offshore vessel market. He is currently on the board of directors for the Society of Gas as a Marine Fuel (SGMF), an international group whose concentration is the development of standards for the safe use of LNG as a marine fuel.
George Aguilar joined GFS Corp in August 2007 as a founding member of the management team and currently serves as executive vice president. Mr. Aguilar has led the company’s efforts to introduce its LNG-based, diesel plus natural gas engine conversion systems into the marketplace. The company primarily targets high-horsepower applications in mine haul trucks, locomotives, and power generation. He has over 28 years of experience in the power generation, industrial equipment, energy services, and financial sectors. He has significant cross-functional experience in business development, sales, marketing, corporate finance, and mergers and acquisitions with GE, Public Service Enterprise Group, and Kohler Company.

Grant Ayu is engineering manager for Weatherford and is responsible for research, development, and sustaining engineering in relation to the company’s pressure pumping product offering. With operations on five continents, Weatherford uses technology and experience to provide a wealth of options for any stimulation contingency. With almost 20 years of experience in the industry, Mr. Ayu continuously applies innovative ideas to develop, design, and functionally of high horsepower equipment used in the energy industry. His journey included not only engineering, but also maintenance, operation, loan production, quality management, and business systems integration. Mr. Ayu earned a bachelor’s degree in electrical engineering from the University of Texas at Austin and was awarded several patents.

Jim Aivalis is chief executive officer of Prometheus Energy Group. He has more than 30 years of domestic and international energy industry experience with a focus on the upstream market. He was previously chief executive officer of ThrillBit Logging Solutions, a member of the board of directors of XACT Downhole Telemetry, managing director of TenarisConnects, and held a variety of senior management roles with Schlumberger, including operations, sales and marketing, and oil and gas project management, after positions in engineering, training and development, and global technical management. He has a BS in ocean engineering from Florida Institute of Technology, holds five patents, has authored numerous articles in industry publications, and is a long-standing member of the Society of Petroleum Engineers.

Jan Andersen is a principal engineer for DNV GL Maritime Advisory, North America. He has 22 years of experience in the maritime industry with a strong focus on engine propulsion systems and machinery. He is a mechanical engineer and started his career at TransMarine Propulsion Systems, Inc. in Seattle, Washington. Mr. Andersen joined DNV Norway in 2005 in the Rotating Machinery Section of Maritime Technical Advisory. This group provides consulting and advisory services to ship owners, shipyards, manufacturers, designers and others involved in the design, development, operation, troubleshooting, root cause analysis, and performance verification. In 2010, he joined DNV Maritime in Houston, Texas. Mr. Andersen is currently the local head for the Mechanical and Systems Group for DNV GL Maritime Advisory in the Americas. He has been involved with several projects and studies regarding LNG as marine fuel and LNG bunkering. He is part of the DNV GL group in the US for LNG and has responsibility for advisory services for LNG-fueled ships. He is a licensed professional engineer and a member of the SNAM M-16 Panel on Propulsion Shunting.

Travis Balaski is senior manager of market development for Ferus Natural Gas Fuels. Mr. Balaski joined Ferus in 2016 and worked in the engineering department supporting operators, designing equipment, and managing capital projects. Subsequently, he joined the market development team to provide end-users of natural gas with the necessary product, argument, and services to use LNG on CNVs, and more specifically, specializes in mining and virtual pipeline applications. Mr. Balaski is a professional engineer and has a BS in mechanical engineering from the University of Alberta.

David Barr joined Taylor-Wharton in 2012 to launch and lead a new LNG business unit. Since then, Taylor-Wharton has created one of the world’s most experienced LNG management teams with over 30 years of LNG experience. Prior to his work with Taylor-Wharton, Mr. Barr developed the first LNG distribution business in Minnesota for Lubrication Technologies, Inc. which supplied customized LNG equipment and LNG to asphalt plants. From 1998 to 2003, while at MVE/Chart Industries, Mr. Barr was the founder and president of NeXel Fuel Systems, one of the largest producers of LPG and LNG fueling systems and storage tanks. From 1994 to 1998, Mr. Barr worked as a petroleum geologist and was president of several start up technology companies. He holds a BS in geology from the University of Utah and has completed postgraduate business programs at the University of St. Thomas and the University of Minnesota.

Roy Bleiberg, currently the director of US gas solutions for the American Bureau of Shipping (ABS), has over 25 years of global marine and offshore experience with ABS. He is responsible for business development and advisory services for all US gas markets, including gas-fueled vessels and floating LNG export terminals. He has in-depth knowledge of class and regulatory requirements and has held various leadership positions with ABS Americas, including most recently director of engineering and assistant chief engineer. He is a graduate of the US Merchant Marine Academy with a BS in marine engineering systems.

Darin Bohlmann is the land drilling segment manager for Caterpillar Oil & Gas. He has been with Caterpillar for 13 years, the last seven of which have been with Caterpillar Oil & Gas. Mr. Bohlmann has spent much of his career in product development across a wide range of Caterpillar products including large wheel loaders, transmissions, diesel engines, and power generation. In 2007, he joined Caterpillar Oil & Gas and helped lead their product strategy for the new oil & gas transmission product line, soon after which he assumed responsibility for the entire well service engine and transmission product line. In 2011, Mr. Bohlmann became a product support territory manager with responsibility for parts and service sales and dealer development. In his current role, Mr. Bohlmann has responsibility for sales and marketing of Caterpillar’s land drilling products, ensuring the delivery and support of the in-class power systems to drilling contractors and rig OEMs. Mr. Bohlmann received a BS in mechanical engineering from Bradley University and an MBA from the University of Illinois.

Aaron Bridges is the vice president of sales and marketing for Chart’s Process System Division. He joined Chart in 2010 and during his four years with the company, 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 for 14 years at an industry-leading engineering, procurement, and construction company where he served in several operational and sales roles that focused on oil refining, LNG reparation, 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 Auburn University.

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Speaker Biographies

Greg Buffington is the vice president of Carib Energy, a wholly-owned subsidiary of Crowley Marine. Mr. Buffington is a 33-year veteran of the gas industry with past experience in the LPG and currently in the LNG business. He was the founding partner and president of Carib Energy which was purchased by Crowley in 2013. Carib Energy was the first company to receive a small scale LNG export license for FTA counties for 25 years. The license gives Carib Energy the ability to export 250,000 MT per year and the company is currently awaiting a 25-year NFTA license for $38,000 MT. Mr. Buffington is currently developing multi-year contracts in the Caribbean, as the Carib team builds the logistics and distribution of LNG as an instant pipeline.

Richard "Rick" Cameron was named managing director of Environmental Affairs and Planning for the Port of Long Beach, California, in January 2014. As managing director, he oversees the Environmental Affairs and Planning Bureau that includes Environmental Planning, Master Planning, and Transportation Planning. As director of Environmental Planning, he led the division responsible for the Port’s signature environmental program, the Green Port Policy, the division coordinates programs to improve air, water, and the San Pedro Bay Ports Clean Air Action Plan. Under the Green Port’s signature environmental program, the Green Port Policy, and of Environmental Planning, he led the division responsible for the Planning, Master Planning, and Transportation Planning. As director Environmental Affairs and Planning for the Port of Long Beach, Richard “Rick” Cameron was named managing director of

Shane Cannon began his career in the engine business in 1993 with an associate’s degree in marine and diesel technology from Universal Technical Institute in Houston, Texas. Upon graduation, he worked as a marine technician and began to study engineering at Northern Virginia Community College. In 1997, Mr. Cannon transferred to Purdue University and completed his bachelor’s degree in mechanical engineering in 2001. In 2002, Mr. Cannon joined Caterpillar’s Marketing Training Program in Peoria, Illinois, and held several positions in the Global Petroleum Group from 2004 to 2007. For the last five years, Mr. Cannon has worked in Cummins’ Oil and Gas division and is currently the dual-fuel market leader.

Nicholas Chase is an economist on the Transportation Energy Consumption and Efficiency Analysis team for the US Energy Information Administration’s Office of Energy Analysis. He is responsible for research, analysis, and forecasting of transportation energy demand, emissions, efficiency, and fuel choice, both domestic and international. His areas of study to date have included light- and heavy-duty vehicle travel demand, technology, and alternative fuel types; freight locomotive and marine vessel travel demand and energy consumption; and the potential for natural gas as a transportation fuel. He attended the University of Michigan at Ann Arbor as an undergraduate and Johns Hopkins University as a graduate student.

Bobby Cushman was named director of global LNG sales for Taylor-Wharton International in September of 2012. He started in the field of cryogenics in 2001 and has been developing LNG infrastructure projects in North America and around the world since 2010. Mr. Cushman leads an experienced team that works with global markets focusing on LNG virtual pipeline projects, marine propulsion, mining, rail, and the NSW segment. Prior to his current position, he successfully brought the first dedicated mobile LNG regasification system to the drilling market, LNG vehicle fueling to Western Canada, and Microbulk to the Middle East. In his career, Mr. Cushman has provided critical capital equipment for more than 100 LNG fueling stations worldwide. He also holds a chemistry degree from Gonzaga University in Spokane, Washington.

Patrick Couch has spent more than 11 years working with various aspects of research, development, and demonstration of new technologies. In his role as a project director at Gladstein, Neandross, and Associates, Mr. Couch works with a range of stakeholders in the alternative transportation and clean energy markets, including fleets, regulators, technology developers, and alternative fuel suppliers. He has led demonstration projects for several advanced vehicle platforms, including hybrid and natural gas switcher locomotives, plug-in hybrid terminal tractors, and battery electric terminal tractors. Mr. Couch also provides technical, economic, and policy analysis on a range of advanced on-road and off-road technologies for commercial and government clients. Mr. Couch holds a master’s degree in mechanical engineering from the University of California, Irvine.

Osvaldo del Campo has led important projects in the natural gas industry for more than 25 years. He is chief executive officer and chief of technology for Galassia Technologies SA, a company that has become a global reference in modular technologies for both LNG and CNG production and transportation, and the oil & gas upstream and midstream sectors. Among his latest achievements, he has developed the Cryobox, the first nano-LNG station available in the market, which is capable of providing small-scale LNG production levels that match the cost and volume of industrial applications and transportation fuel use. This makes it possible for every transportation company to become their own self-supplier of LNG for long-haul trucks, delivery fleets, buses, ships, barges and ferries, and railroad locomotives. Buquebus, a South American sea transportation company, trusted Mr. del Campo’s vision, and has recently adopted seven Cryobox® to produce LNG as marine fuel for its Pope Francis, the world’s first high-speed passenger Ro-Ro ship powered by gas turbines fed on LNG. Pope Francis makes daily trips across the River Plate between Argentina and Uruguay.

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Joel Feucht is general manager of gas and medium speed engines for Caterpillar’s large power systems division. Since 2012, he has been responsible for developing gas engine strategy on an enterprise basis and leading the development of gas and medium-speed engine products to provide customers in all segments with class-leading solutions. Mr. Feucht, a fourth-generation Caterpillar employee, joined Caterpillar in 1988 as a designer in the engine division. He holds various engineering and purchasing positions before being a managing engineer in the fuel systems division in 1999. He was named materials manager with responsibility for purchasing and logistics in 2001. Mr. Feucht became global segment manager in global purchasing for engine components in 2003, based in Peterborough, United Kingdom. He returned to Moline, Illinois, in late 2005 as a component product manager responsible for launching Caterpillar’s growing aftermarket and cooling systems businesses. In 2006, Mr. Feucht was named director of purchasing for Caterpillar’s engine business. Mr. Feucht completed the Executive Program at the University of Virginia’s Darden Graduate School of Business in 2008. He has a bachelor’s degree in mechanical engineering from the University of Illinois. He chairs the board of the Paccar Area Youth for Christ.

Phil Fusacchia is the GE Oil & Gas program manager of the Last Mile Fueling solution – a fully-integrated natural gas fueling system developed in a joint venture partnership with Ferus Natural Gas Fuels. Mr. Fusacchia leads the commercial development of natural gas fueling networks for high-horsepower applications, particularly the upstream oil & gas, rail, mining, and marine markets for the GE and Ferus joint venture. Mr. Fusacchia helped co-found this joint venture and drove the Last Mile Fueling solution pilot and subsequent expansion in North Dakota’s Bakken region. Mr. Fusacchia joined GE in 2010 through the Experienced Commercial Leadership Program (ECLP). During his two years on ECLP, Mr. Fusacchia rotated through various sales and marketing roles, including an assignment with GE Corporate’s global strategy team, where he conducted competitive market intelligence assessments for GE growth regions and key competitors. Prior to GE, Mr. Fusacchia managed water and wastewater treatment projects in the Northeast and also worked as a venture capital firm analyst in Silicon Valley conducting market assessments and feasibility studies in the clean tech space. Mr. Fusacchia earned both his Executive MBA and a bachelor’s degree in mechanical engineering from Lehigh University in Pennsylvania.
Michael Gautier began working at the local Caterpillar dealer in Oklahoma City, Beaconing Machinery, as a technician in 1981. Here, he worked at a total of four different Caterpillar dealers through acquisitions for the next 24 years. Throughout this time, he continued to advance through each organization, from technician to an engine rebuild supervisor, parts and service sales representative, and product support sales manager. Being in Oklahoma City, regardless of dealer ownership, there was always a strong focus on the oil and gas industry, national and diesel applications. In 2005, he was recruited by Southwest Energy (SWE) to be a part of the management team creating a wholly-owned internal drilling company called SWE Drilling Company (SDC). For the past nine years, Mr. Gautier has been maintenance manager at SDC. During this time, the company has successfully completed two rig building projects totaling 22 new rigs and has kept operational downtime over the last five years under 1.3 percent. Mr. Gautier graduated from Oklahoma State University, Technical Institute in Okmulgee, Oklahoma, with an associate’s degree in diesel technology.

Cliff Gladstein is the founder and president of Gladstein, Neandross & Associates (GNA). For over twenty years, he has been a leader at the local, state, and national levels in efforts to develop cost-effective policies, programs, and projects to reduce pollution from transportation, revitalize the nation’s dependence on petroleum, and create innovative public-private partnerships to pursue market-based solutions for environmental problems. Mr. Gladstein is the founder of the Interstate Clean Transportation Corridor (ICTC), the nation’s first and most successful public-private partnership to accelerate the commercialization of clean alternative fuel vehicles in the interstate movement of goods. He has used his knowledge and experience to develop and implement clean transportation and power generation technology deployment projects and incentive programs. Mr. Gladstein teaches air quality policy at the UCLA Institute of Environment and Sustainability and is an advisor to the University of Southern California’s Sustainable Cities Program and Duke University’s Nicholas Institute for Environmental Policy Solutions. He is a graduate of Duke University and holds three graduate degrees from the University of Texas, Austin, and the University of California, Los Angeles.

Ben Go is the director of structured products for the West Region of BP’s North American Gas & Power. He has been in the energy business for more than 30 years in a variety of roles including engineering, field operations, strategic planning/analysis, crude oil trading, and natural gas marketing. Mr. Go has a BS in mechanical engineering from UC Berkeley. In his various assignments, Mr. Go has lived in San Francisco, Anchorage, Prudhoe Bay Alaska, Los Angeles, Tokyo, and is now currently based in Houston. In his current role, he is responsible for providing financial markets and customized products in the Western United States and assisting customers in their physical financial and risk management and hedging programs.

Dave Groh has been working in the shipping industry since 1994, serving in various capacities both aboard ship and ashore for different vessel companies. Mr. Groh has been the vice president of VanEnkevort Tug & Barge (VBTB) since June 2013. Prior to joining VBTB, he held positions at Cliffs Natural Resources. He has sailed aboard numerous vessels on the Great Lakes, in the Gulf of Mexico, and across trans-Atlantic trades as a chief engineer overseeing repairs and budgets. Mr. Groh’s 18-year career includes a progression of increasingly senior positions within the marine industry in both the United States and foreign trade zones. Mr. Groh attended Great Lakes Maritime Academy as a deck officer and Ferris State University. He holds a BA in business administration and international business. He sits on the Board of Governors of the Cleveland Propeller Club and has served secretary and treasurer.

Leif Gross is manager of product definition and new product introduction at Caterpillar Marine Power Systems’ worldwide headquarters in Hamburg, Germany. He oversees product development for Caterpillar and Mark-branded marine engines. Mr. Gross began his career as an officer in the German Army and received his officer cadet training at the French Ecoles de Saint-Cyr and the Royal Netherlands Air Force. Back in Hamburg, he studied economics at the University of the Federal Armed Forces Hamburg and the University of the City of Hamburg. Following to his military career, he assumed a sales position at Cummins Inc. in Ingolstadt in 1994 and joined Caterpillar in 2000. Mr. Gross went through several international sales positions, both for Caterpillar and Mark products. Until April 2012, he was responsible for Caterpillar’s business in the cruise industry. Mr. Gross’s current responsibilities encompass segment-specific product definition in all technical and commercial aspects down to the development of strategic product support solutions. In this role, he manages the Caterpillar Marine strategy for LNG-fueled engine solutions. Mr. Groh has served as a panelist and speaker at the Interferry and Seatrade conferences amongst others as well as a lecturer at Carmen’s Aida Cruise Academy.

Frank Haebelit is vice president of the Gas Transportation Division for Nebraska-based Hexagon Lincoln, a subsidiary of Hexagon Composites. He joined the group’s Norwegian subsidiary Hexagon Rautoss in 2005, and held leading positions within the sales management of Type 4 CGN cylinders and storage systems until 2013. Mr. Haebelit is very familiar with European and international regulations to build and passenger car applications and the related safety standards. He was the driving force to develop the first composite LNG transportation units built by Hexagon in 2006 for the Asian market. Since then, he has participated in the majority of global projects supplying compressed natural and bio gas beyond the pipeline. Mr. Haebelit holds a master’s degree in mechanical engineering and a bachelor’s degree in law from German universities.

Brent Haight is the publisher of Diesel & Gas Turbo Worldwide magazine, a global journal dedicated to large-horsepower, prime mover products, systems, technologies, and news. Mr. Haight is the proud product of the University of New Orleans and the fine tutelage of a few outstanding editors, publishers, White Sox fans, and farmer’s (as well as a few scoundrels and deviant) whom he’s had the pleasure of encountering over the course of his life. He has spent the last 15 years working at Diesel & Gas Turbo Publications. Prior to that, he served as editor-in-chief of Rail News magazine. His journalism career began at City Business Newpaper in New Orleans.

Paul Hanson began his career by enlisting in the US Navy where he worked as an electronic technician specializing in radar identification and missile launch systems. After four years he graduated as an electronics technician for Precision Gunners and as a plant engineer for Future Foam before joining Comalp LLC in 2008. Mr. Hanson has held multiple titles with Comalp LLC focused on helping to strengthen the ongoing team for product support, application, and sales for engine drive controls including AFR, catalyst monitoring, compressors, pumps, and bi-fuel (dual-fuel) technologies. He has worked closely with customer OEMs.

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Shaunt Hartounian came to Applied Natural Gas Fuels, Inc. from Clean Energy Fuels, in September 2012. He is responsible for strategic, partnerships, product development, and sales and marketing strategy. During his nine year tenure at Clean Energy Fuels, Mr. Hartounian led its heavy-duty vehicle initiatives while working closely with the nation’s largest fleets and shippers to develop the market for natural gas as a trucking fuel for the nation’s ports, intermodal terminals, warehouses, and distribution centers. Mr. Hartounian holds a bachelor’s degree in communications with an emphasis in marketing and rhetoric from Boston University in Los Angeles. Previously Mr. Hartounian served as a state board member for the American Lung Association in California from 2010 to 2012. He is currently a member of the board of directors of the California Natural Gas Vehicle Coalition and a member of the board of directors of NGV America.

Julianne Heins currently leads the supply chain for Seneca Resources Corporation, the exploration and production segment of National Fuel Gas Company. Seneca’s procurement group is responsible for not only the company’s sourcing activities but also for inventory, warehousing, and fiscal management. Ms. Heins has more than 25 years of experience in the natural gas industry. Prior to her nine years at Seneca, Ms. Heins held the procurement group, responsible for almost $1 billion of non-fuel spent, in the natural gas industry. Prior to her role at Seneca, Ms. Heins led the company’s sourcing activities but also for inventory, warehousing, and fiscal management. Captain Holmes has significant experience in government, ports, shipping, law enforcement, and the academic community. Prior to starting Holmes & Associates, Captain Holmes was deputy executive director for the Port of Los Angeles. Here he was responsible for day-to-day operations and managed safety, security, customer interaction and maintenance of a physical plant covering 7,500 acres. He was also the principal architect of the Clean Truck Program and the Maritime Law Enforcement Training Facility. Captain Holmes served in the US Coast Guard from 1976 to 2003, most recently acting as commanding officer and captain of the port of Los Angeles, where he was responsible for Coast Guard operations in Southern California. Here, he managed operational units from San Luis Obispo to Orange counties and developed the Sea Marshall concept and first post 9/11 port security regulations. Captain Holmes graduated with a BA in English and education from Boston College, received his MBA in international business from Washington University in St. Louis, and his doctorate in public policy from the University of Southern California.

Jeff Holyeak is business manager for Worthington Industries. He joined the company in 2014 to manage strategy and market development of LNG on-board fueling, bringing over 15 years of international business and product integration experience. Prior to joining Worthington Industries, Mr. Holyeak was managing partner at a full-service digital marketing agency in Atlanta, taking the agency from startup to more than 40 clients and 45 percent average annual growth rate over four years. Previous roles also include nine years at Chart Industries in a variety of roles from supply chain management to business development and global business management at Lydall Industries, the market leader in cryogenic insulation. Mr. Holyeak holds a bachelor’s degree in finance and an MBA in operations management. He also sits on the board of advisors for Everspark Interactive.

Chris Hosford is an expert in the maintenance and safety of LNG systems and has 58 years of experience in energy consulting for refrigerated gases, liquefied natural gas, liquefied petroleum gas, ammonia, etc. He has worked on projects in Algeria, Italy, West Pakistan, Argentina, Brazil, and across the United States for companies like Clean Energy, Williams, Exxon, Cabot, Proload Engineering, Commonwealth Gas Company, Yankee Gas, Fairbanks Natural Gas, and many other LNG operators. Mr. Hosford’s resume includes his start as a field engineer; contract construction manager/ resident engineer; lead engineer; president of his own engineering company, CHI Engineering, Inc; and consultant. He founded CHI Engineering, Inc.in 1984 and with his partners grew the business from a staff of three to forty-five and gross sales from $1.5 MM to $25MM in 2012. CHI is the premier firm for providing engineering services to the refrigerated energy gas sector. Mr. Hosford stepped down as president in 2012 and now works as a consultant for CHI. Mr. Hosford holds licensure as a professional engineer in Massachusetts and Connecticut. He is also a member of the American Society of Civil Engineers and the American Society of Chemical Engineers and is a graduate of the University of Massachusetts.

Randi Hull joined Promethaus Energy in May 2012 as director of business development. He is responsible for sales, marketing, and commercial development activities for applications of LNG to targeted industrial sectors including oilfield exploration and production, remote power and process heat generation, and fueling of large mine haul trucks. Mr. Hull brings three decades of energy industry experience primarily working in the industrial gas industry, but with a focus on power generation, petroleum refining and petrochemical applications. He led the development and closure of several large on-site hydrogen supply awards for clean fuels petroleum refining projects in Asia and Latin America. Prior to joining Promethaus Energy, he founded Petrochem Outsourcing Consulting Services LLC, a global consulting practice helping global oil, energy and chemical companies manage strategic outsourcing of critical products and services. He is the author of numerous articles and white papers on LNG fueling and related technologies, has been a keynote speaker at numerous conferences and seminars, and is a frequent contributor to trade periodicals.
services. Mr. Hull’s experience includes several roles at General Electric, Air Products, BOC/Linde and as senior salesman for Caterpillar. He has a bachelor’s degree in mechanical engineering from the University of Alabama and a master’s degree in industrial engineering from the University of Arkansas.

Lyle Jensen is the president and chief executive officer of American Power Group. Under Mr. Jensen’s leadership, APG’s original patented dual-fuel engine technology was taken to Detroit where a group of the best engine calibration and emissions engineers in the industry developed a digital and uncompromised natural gas emissions control system capable of meeting today’s safety, reliability, and emissions criteria for both on-road and off-road applications. American Power Group has achieved EPA-approved emissions results and is EPA Memорandum of Understanding (MoU) Compliant for 13 stationary engine models. As a result, APG is experiencing significant growth in the vehicular, industrial, and oil and gas markets, with new inquiries coming from the mining, marine, rail, and military industries. Mr. Jensen will discuss how the adoption of dual-fuel natural gas conversions is evolving into a mainstream alternative fuel solution for hydraulic fracturing operations.

Scott Jensen is one of the owners of Energy Conversions Inc. Mr. Jensen studied electronic technology at Bates Technical College before going into the family business of rebuilding ship and generator diesel engines. Energy Conversions was formed in 1996 as a division of the rebuilding company to develop alternative fuel solutions for diesel engines. Mr. Jensen is president, chief designer, and project coordinator at ECI. Energy Conversions sets the pace in the locomotive market by having supplied the conversion technology to dual fuel for two EMD two-stroke engine-powered locomotives for Burlington Northern in 1989-1990, Napa Valley Railroad 100 percent gas conversion in 2001, and eleven other locomotive systems internationally including the Canadian National units in 2012. ECI’s most recent project for Norfolk Southern is 100 percent conversion to gas and is progressing toward its startup late in 2014. In addition to the locomotive market, ECI provides four-stroke 300 to 7,800 kW engine system technology for power generation both on- and offshore. The technology is applicable to marine and off-road trucks as well.

Derek Kamp is a well service product definition manager with Caterpillar Oil & Gas. He joined Caterpillar’s Oil & Gas Division in 2008 as a territory manager in Denver, Colorado. His responsibilities included managing 13 Caterpillar dealers’ parts and product support business plans. From 2012 to 2014, Mr. Kamp was a corporate account manager at Caterpillar Oil & Gas, where he was responsible for the corporate relationship with seven key accounts. Prior to Caterpillar Oil & Gas, Mr. Kamp held various engineering positions at Caterpillar Transmissions. He graduated from Bradley University in 2004 with a BS in mechanical engineering.

Toby King is engineering and standardization manager for Nabor’s Completion & Production Services, where he is responsible for sustaining engineering and design development for all mechanical equipment. He has 23 years of oil and gas industry experience, seven of which has been spent in the natural gas compression industry as a technician and field engineer. He was originally recruited as a safety systems engineer in 2007. Mr. King has nine years of experience installing and inspecting systems throughout the field, plants, and refineries. Previously, he spent time as a service and sales engineer for a pressure pumping manufacturer.

Koby Knight is responsible for all aspects of Stabilis Energy’s LNG plant construction and LNG operations. He comes to Stabilis from Clean Energy Fuels where he was responsible for LNG production. Mr. Knight has 17 years of experience in design, construction, installation, and operation of CNG and LNG fueling and production facilities. He has personally worked on more than 30 stations throughout the state of Texas and more throughout the US and Canada. He also managed the construction of Clean Energy’s Boron liquification plant and oversaw operations of both the Borton and Pickens LNG production plants. In addition, he managed the installation of two Dallas Area Rapid Transit LNG facilities and was also responsible for the installation and upgrades at several high-volume CNG stations including Dallas-Fort Worth Airport and the Fort Worth Transportation Authority. Mr. Knight served on active duty in the US Navy for nine years. He has a BS in engineering from Columbia University and an MBA from the University of Texas.

Max Komorowski is director of LNG Hybrid development for Becker-Marine Systems. He joined the company in 2012, where he is responsible for the company’s technical management and operations. Prior to his time at Becker-Marine, Mr. Komorowski was sales director for Hippa Bordmuthsehikron, a family owned and managed group operating in the field of pressure vessels and accessories in the shipbuilding sector. He previously served as managing director of TTS Ships Equipment, chief technology officer at Port Schmidt Schiffbau AG and Sunkeskip, chief technology officer at Peters Schiffsbau AG, and head of repair at Kroger shipyard. He began his career as a project engineer in the repair department at Blohm + Voss AG, where he previously held an apprenticeship in machine fitting. Mr. Komorowski received his engineering degree from a technical school in Hamburg, Germany.

Mark Kuhn is vice president of Ricardo Strategic Consulting, where he focuses on off-highway, commercial vehicle, automotive, and energy industries. His expertise includes product development strategy for engines and powertrains, total cost of ownership assessment for technology introduction, product portfolio planning, and technology planning. Mr. Kuhn has worked for Ricardo Strategic Consulting since 2008, where he has been involved in a range of projects related to product, market, and technology trends regarding off-highway and on-highway markets. Prior to joining Ricardo Strategic Consulting in 2008, Mr. Kuhn held various responsibilities in the Ricardo Technical Consulting organization related to engine product development, design, testing and analysis. Prior to joining Ricardo in 2001, Mr. Kuhn held various positions in the heavy-duty diesel engine industry while at Detroit Diesel Corp, where he spent over 27 years as the director of off-highway engine product development. Mr. Kuhn graduated with a BSE from Kettering University, and MSME from the University of Michigan.
Speaker Biographies

Gary LaGrange has served as president and chief executive officer of the Port of New Orleans since 2001. During his tenure, the Port opened new, state-of-the-art container, cruise, and refrigerated terminals. Mr. LaGrange serves on the boards and executive committees of the National Waterways Conference and Waterways Council, Inc. He also serves on the board of the Gulf Ports Association of the Americas and the executive committee of the Transportation Research Board. He was named the Maritime Person of the Year by the Propeller Club of New Orleans in 2003 and Maritime Person of the Year by the Propeller Club of the Port of Gulfport in 2001. Before taking leadership at the Port of New Orleans, Mr. LaGrange served as the executive director of the Mississippi State Port Authority in Gulfport, Mississippi, the Port of South Louisiana, and the Port of West St. Mary. Mr. LaGrange attended Louisiana State University. He received a BA in geography/economics and an MA in urban planning, with honors from the University of Louisiana at Lafayette. He also earned the Professional Port Manager Certification (P_PM) from the American Association of Port Authorities.

Erik Langeteig is a market development manager with Chart Inc. He currently works to develop cryogenic equipment solutions and economic modeling for the adoption of LNG in the off-road, oil & gas, and industrial markets. Mr. Langeteig realizes success in connecting Chart’s engineered LNG storage, mobile, and vaporization systems with LNG suppliers, logistic/service companies, and financial institutions in order to bring end users highly reliable and financially viable complete solutions. Before working in the LNG industry, Mr. Langeteig spent over eight years working for major oil companies supplying energy solutions to the transportation, mining, oil & gas, and industrial sectors with finished petroleum products. He has both a college and graduate school background in engineering and finance and is a current member of the NFPA.

Martha Lenz leads engine and system designs for Electro-Motive Diesel, Inc. (EMD) and is responsible for the design, performance, and emission functions of EMD’s diesel and natural gas engines. She joined EMD in 1981 and worked as a project engineer in engine development for over ten years. Since then, she has held positions in all facets of the business including engineering, sales and service, and manufacturing operations. She served as director of quality from 1998 to 2003 and held leadership responsibility for both the engineering and manufacturing of diesel engines. Ms. Lenz graduated from Northwestern University with a bachelor’s degree in mechanical engineering. She received a master’s degree in mechanical engineering from the University of Wisconsin at Madison, and completed an MBA at DePaul University in Chicago, Illinois.

Andrei Ludu is the deputy vice president for Large Engines at AVL List GmbH (AVL), an independent global company headquartered in Graz, Austria. The company specializes in the development, simulation and testing of powertrains, including combustion engines, transmission, hybrid, electric drive, batteries and software for passenger cars, trucks and large engines. Mr. Ludu graduated in 1986 with a degree in mechanical engineering and internal combustion engines from the Polytechnic University of Bucharest. He worked as a research engineer at the National Research Institute for Thermal Machines in Bucharest before joining AVL. He had responsibility for the development of various internal combustion engines as well as the development of exhaust aftertreatment systems, fuel systems, electronics, and engine management. Mr. Ludu was appointed to a dedicated role in AVL’s large engines business field where he was instrumental in building up the large engines expertise and business at AVL. In this capacity he established and managed expert teams; was responsible for R&D projects; was trusted, developed and marketed products in his function of product manager; and represented the company in the worldwide large engines industry at conferences. Mr. Ludu has established and maintained R&D partnerships with universities and national and international research organizations. He has published several technical papers at internal combustion engine conferences.

Michael Mackey is vice president of the Alternative Fuels Division at GP Strategies Corporation (GP). Mr. Mackey started with GP in 1994. He has 25 years of cryogenic and high-pressures system experience, a BSME from Texas A&M University, an MSME from University of Colorado, and an Executive MBA from San Diego State University. Since 1998, GP had been designing and constructing LNG, LCNG, and hydrogen fueling stations, trailer loading/offloading facilities, and vaporization facilities. GP provides professional engineering, permitting, cryogenic skid and control panel fabrication, construction, maintenance, and remote monitoring services.

Mark Moser is Gulf Coast operations manager for Gibbs & Cox where he manages the New Orleans office and leads both commercial and government projects. Mr. Moser has been with Gibbs & Cox for 10 years where he has served in multiple capacities containing design and project management experience on naval ships, coast guard cutters, patrol vessels, tug, offshore supply vessels, special-purpose vessels, and high-speed craft. Recently, he has led design projects related to vessel environmental compliance and efficiency including LNG-fueled vessels and engine exhaust emissions reduction for IMO Tier III and EPA Tier 4 compliance. He also volunteers at the National World War II Museum where he is restoring a 78-foot motor patrol boat PT-305 for operational service. Mr. Moser is a licensed professional engineer in Louisiana and Virginia and holds a BS in naval architecture and marine engineering from the University of New Orleans.

Jon McEvers is the drilling manager for Antero Resources. The company’s focus is the Marcellus and Utica unconventional shale gas plays. Prior to joining Antero Resources, Mr. McEvers was a drilling and completion consultant, focusing on the Bakken. Mr. McEvers received his engineering degree from the University of North Dakota School of Engineering and Mines in 1999.

Keith Meyer serves as president and chief executive officer of LNG America and is a seasoned executive with more than 34 years of experience in the energy industry, including LNG terminals, natural gas pipelines, storage projects, power plants, gas liquids plants, and gas separation projects spanning four continents. Mr. Meyer has served in executive positions at Fortune 500 companies, primarily engaged in energy infrastructure development and small, fast-growing energy companies. He was president of Cheniere LNG when his company developed North America’s largest LNG import terminal. Mr. Meyer joined CMS Energy to grow its non-utility gas transmission and distribution business and led the development of various natural gas pipelines, storage projects, power plants, gas liquids plants, and gas separation projects spanning four continents. Mr. Meyer served in executive positions at Fortune 500 companies, primarily engaged in energy infrastructure development and small, fast-growing energy companies. He was president of Cheniere LNG when his company developed North America’s largest LNG import terminal. Mr. Meyer joined CMS Energy to grow its non-utility gas transmission and distribution business and led the domestic and international pipeline and gas storage development efforts while assisting with power plant development activities. He previously served as chairman of the board of Flux LNG, a public company developing floating LNG production facilities. Additional activities include acting as commercial lead on the team that assisted the Israeli Government in the analysis and preparation of bid documents for that country’s LNG import terminal. Mr. Meyer is an MBA graduate of Rice University and has served as...
Speaker Biographies

Timothy Meyers works in the US Coast Guard’s Office of Design and Engineering Standards in Washington, DC. His primary focus is on US policy and standards for commercial vessel systems using alternative fuels and the shipboard classification of hazardous locations. Mr. Meyers is the US Coast Guard’s lead engineer engaged in regulatory and policy development for the safe design and engineering of natural gas fueled vessel systems. He represents the United States within the International Maritime Organization in their development of an International Code of Safety for Ships Using Gas or Other Low FLashpoint Fuels (IGF Code). Mr. Meyers has over 23 years of experience in the enforcement, interpretation, and development of US and international maritime safety and security regulations with the US Coast Guard. He holds a bachelor’s degree in applied science from the US Coast Guard Academy, a master’s degree in chemical engineering from the University of Virginia, and is a registered professional engineer.

Paul Miller is president of Gasta Power, where he is responsible for executing the long and short term strategies of the company as approved by the chief executive officer and the board. He is responsible for the day-to-day operations of the company and its operating subsidiaries in conjunction with the current management team. Mr. Miller is a professional engineer licensed in Alberta and Ontario. Prior to joining Gasta Power, Mr. Miller was the president and chief executive officer for a publically listed, international exploration company based in Calgary with properties in India, Israel, and Colombia. He has in-depth experience working in the oil and gas industry all over the world. Mr. Miller began his career in Alberta with a large independent producer before moving on to a global engineering consulting company. He has a wealth of international experience, having headed up business units in Australia, Eastern North America, and the Middle East. Mr. Miller brings both private and public market experience to his role and an understanding of supporting remote office locations through periods of growth. He is a graduate of the University of Alberta in chemical engineering and the Kellogg Schulich executive MBA program.

David Mumford is senior director of off-road partner development for Westport Innovations. His education includes bachelor’s degrees in mathematics and applied science, as well as a Master of Applied Science degree. He has been a part of Westport Innovations’ core engineering group since April 1999, helping the company grow from less than 40 employees to approximately 1000 today. Mr. Mumford has been actively involved in nearly all areas of Westport technology, initially focusing on the fuel injection systems and injectors before taking responsibility for engaging and leading new development programs with various OEMs. He has had leadership roles in light-duty, heavy-duty, and high horsepower gaseous fuel programs with numerous OEMs, focused on natural gas and hydrogen fuel systems. He is currently responsible for Westport’s high horsepower activity with Caterpillar and EMD. Mr. Mumford has co-authored numerous papers related to Westport technology, covering smart materials (actuators), hydrogen injection and Westport’s patented High Pressure Direct Injection (HPDI) technology. He also holds several Westport patents in the area of HPDI and mono-fuel injectors.

Scott Nason is the business development manager of LNG rail applications for Chart Industries, concentrating on LNG tender cars, LNG tank cars, and tank car opportunities. Prior to this position, Mr. Nason spent several years as a product manager of mobile equipment for Chart, focusing on LNG rail cars, highway transport ISO containers, and a variety of cryogenic liquid transportation equipment. He also worked as an engineering manager for Chart’s process engineering division, working on bulk tanks and systems for all cryogenic liquids. Mr. Nason has 30 years of experience in design engineering, product management, and business development of cryogenic liquid systems and transportation equipment.

Erik Neandross is the chief executive officer of Gladstein, Neandross & Associates (DNA), North America’s leading consulting firm specializing in the market development of alternative fuel technologies in the refined petroleum industry and rapidly developing alternative fuel horsepower sectors. Mr. Neandross works with DNA’s technical, public affairs, grant, market analysis, and events & marketing teams to deliver an array of strategic planning, financial modeling, market intelligence, marketing, and export technical assistance to the firm’s clients. He has been at the forefront of some of the nation’s largest and most innovative alternative fuel vehicle projects, working with Ryder, Frito-Lay/PepsiCo, Waste Management, UPS, Sysco Food Services, California Cartage Company, City of Los Angeles, Nestle Waters, Alarman, and many others, including several leading projects in the off-road sector. Mr. Neandross regularly advises some of the largest companies in the alternative fuel industry, as well as a variety of public sector representatives. He frequently speaks at leading alternative fuel conferences around the world. In addition to overseeing DNA’s consulting services, Mr. Neandross directs DNA’s production of two of the nation’s leading alternative fuel conferences: the Alternative Clean Transportation (ACT) Expo, North America’s largest alternative fuels and clean vehicle technologies show, and the Natural Gas for High Horsepower (HHP) Summit.

Mike Nicoletti began his professional career at the Indiana Harbor Belt Railroad (IHB) in 2002. Since then, he has held various positions ranging from manager of revenue and manager of process improvement to his current position as director of purchasing. Mr. Nicoletti has led several projects that have reduced the annual operating expense of the IHB by greater than five percent. He is the lead railroad official for IHB’s $60M Locomotive Fuel Conversion Project to convert 70 percent of the IHB fleet to CNG. This ambitious four year project is the first fleet conversion to CNG in North America, assisted by funding and support of the US DOT. Mr. Nicoletti holds a bachelor’s degree from Saint Joseph’s University of Philadelphia, and will receive an MBA from Indiana University-Northwest in March of 2015. He is the 2014 recipient of a Rising Star award from Progressive Railroading Magazine. The IHB, located in Chicago, is the largest switching railroad in North America handling in excess of one million rail cars annually.

Kevin Nishimura is the director of strategic initiatives for Hawaii Gas, an indirect subsidiary of Macquarie Infrastructure Company. Mr. Nishimura has managed operations and projects at Hawaii Gas, including gas transmission and distribution, LNG storage and transportation, and customer care. He now oversees all operational aspects of Hawaii Gas’s LNG program including the transportation, repagination, and injection of containerized LNG into the company’s synthetic natural gas utility distribution system. Hawaii Gas is the first company to bring LNG to Hawaii. Mr. Nishimura holds a B.S in industrial and systems engineering from the University of Southern California, and MBA from the University of Hawaii at Manoa.
Speaker Biographies

Ian Patterson has assumed a position as sales director for the Americas and is a member of the senior management team at JC Carter LNG. After over 30 years of experience in alternative fuels, including the development of industry-leading alternative fuel dispensers for CNG, hydrogen, LNG, and LPG, in his role as JC Carter’s senior vice president, Mr. Patterson has been part of the team introducing innovations for high-flow fueling applications including rail, mining, and bulk transfer of LNG. Among his other responsibilities, he was responsible for introducing the first advanced LNG dispensers to markets in India, Pakistan, Bangladesh, China, and Korea along with one of the first LNG dispensers to operate in regular service in China. He is recognized as an industry leader in technology development, quality, and reliability. Mr. Patterson is active in the development of safety standards, and is chair of the Canadian Advisory Committee (CAG) on ISO/TC22/SC25 (LNG and CNG stations), a member of ISO/TC 252/WG1 – “CNG stations for fuelling vehicles,” and a member of the Canadian Advisor Committee on LNG nozzle and receptacle standard ISO/TC 22/SC 25/WG 4. He is also a member of the standards committee for CSA Standard B108 – “Natural Gas Fueling Stations Installation Code.”

Chris Pritchard is the Cummins high horsepower natural gas product manager. He has responsibility for developing product strategies for high-flow fueling applications in industrial, on-highway, marine, and power generation markets. His other roles have included program management, applications engineering, and product development engineering. Madhukar Puniani is business development manager of natural gas systems for Parker Hannifin’s Vertifo Division, located in Richmond, California. Mr. Puniani has 15 years of experience in process control across various industries, including upstream onshore and offshore oil and gas, as well as downstream on refining and petrochemical. For the last five years, he has been directly involved with natural gas processing, dispensing, and vehicle and engine development applications. For over 10 years, he has been involved in energy management implementation and application across media such as natural gas, steam, and industrial gases. An innovator with multiple design patents and global product launches under his belt, Mr. Puniani has expertise in process measurements and control like flow, temperature, pressure, pH, and conductivity across various industrial segments. Mr. Puniani received a master’s degree in sensor systems technology from Kaiserslautern University of Applied Sciences in Kaiserslautern, Germany, with a double major in environmental and medical sensors and a minor in automotive sensors and control systems. He also has a diploma in international business from the university. He received a Bachelor of Engineering degree in industrial electronics from Dr Babasaheb Ambedkar Marathwada University in Aurangabad, India.

Alex Quintone is the senior field engineer for the GTI Bi-Fuel® product line of Altronic, LLC. Upon joining Altronic in January of 2007, he became responsible for the technical training and support of the GTI Master Distributor network for both classroom and on-engine applications. He is heavily involved with continued product and sector development. Other duties include providing technical feedback to the Altronic Sales and Engineering R&D Groups to improve and promote the GTI product line and expand applications on a worldwide basis. After retiring from the US Navy in 1998, Mr. Quintone began his second career in the power generation market. Gaining extensive experience in both diesel and natural gas engines, he has held positions with a major industrial rental company and engine manufacturers and their distributors, both domestically and internationally.

Phani Raj is a general engineer in the Office of Safety at the Federal Railroad Administration (FRA) in Washington, DC, where he is involved in monitoring projects for the use of LNG and CNG tender for locomotive fueling. He also participates in the development of new standards for LNG tenders. He is in charge of many aspects of the safety of hazardous material transportation in tank cars. Dr. Raj’s professional experience spans more than 35 years and includes safety research, assessment of hazardous material risks (including LNG facility and transportation), and modeling hazards. He has taught graduate courses in hazardous material safety at various universities. Previously, he conducted research (field tests and mathematical analyses) on LNG behavior, under contract from US federal agencies as well as chemical and natural gas industry groups. He serves as a member of the LNG Standards Committees of the National Fire Protection Association (NFPA). Dr. Raj has appeared before the US House Committee on Homeland Security, State Legislative Committees, public hearings, etc., as a technical witness to testify on LNG safety issues. He has authored over 120 technical reports and 60 peer-reviewed technical papers. Dr. Raj holds MS and PhD degrees in mechanical engineering from Harvard University and an MBA from Northeastern University.

Pace Ralli is co-founder of Clean Marine Energy LLC and brings a unique finance, energy, and environmental background to the shipping industry. Mr. Ralli graduated with a BA from Middlebury College, and with an MBA from the Tuck School of Business at Dartmouth College. After receiving his MBA, Mr. Ralli transitioned from corporate finance to energy, focusing on energy efficiency and then natural gas at Pacific Gas & Electric (PG&E), the largest publicly traded utility in California. He later became principal at an energy efficiency company, SCAnergy Inc., launching a fund to finance large building retrofits and unlock large-scale emissions reductions in commercial real estate. Adapting the model for the shipping industry, Mr. Ralli engineered the Emissions Compliance Service Agreement (ECSA) to unlock parallel benefits by eliminating the barriers that ship owners face when converting to LNG or installing exhaust scrubbers to meet the January 2015 emissions deadline. Mr. Pace also currently serves on the board of directors for WiscPac Midstream LLC, an energy infrastructure company backed by Oaktree Capital.

Allen Rider is manager of locomotive engineering for Norfolk Southern Railroad. Norfolk Southern operates 20,000 miles of railroad serving 22 states and the District of Columbia. Mr. Rider grew up in Houston, Texas, and holds a degree in mechanical engineering from Texas A&M University. After retiring from the US Navy in 1998, Mr. Quintero began his second career in developing and applying new technologies to reduce emissions. His experience spans over 30 years and includes developing, implementing, and holding a degree in mechanical engineering from Texas A&M University.
Clay Riding is director of natural gas resources for Puget Sound Energy (PSE) in Bellevue, Washington. Mr. Riding is currently responsible for PSE’s LNG initiative to build a regional scale LNG facility for peak shaving purposes and expand the use of natural gas as a fuel for marine vessels and transportation markets. Since returning to PSE in 2007, he has been responsible for the acquisition of long-term natural gas supplies, transportation, and storage for the company’s core gas and gas-fired generation portfolios. He leads natural gas resource project development and oversees operation of the Jackson Prairie Storage Project. Mr. Riding has 33 years of experience in the energy industry, and has an extensive background in the acquisition and management of energy supply resources, utility and interstate pipeline operations, and Federal Energy Regulatory Commission regulations. Over the past 25 years he has been involved in the development of natural gas markets in the West. Prior to joining PSE for his second tour of duty in July 2007, Mr. Riding spent six years with The Energy Authority, four years with Puget Sound Energy and 16 years with the Williams Companies in various trading, marketing and business development, and finance roles.

Charlie Riedel is the director of market development focused on transportation and equipment at America’s Natural Gas Alliance (ANGA). In this role, Mr. Riedel works with ANGA’s member companies, regulators, legislators, and other business-to-business stakeholders to communicate the economic and environmental benefits of natural gas as a fuel for marine vessels and transportation markets. Since 2008, he has been responsible for PSE’s LNG initiative to build a regional scale LNG facility for peak shaving purposes and expand the use of natural gas as a fuel for marine vessels and transportation markets. Mr. Riedel is also focused on increasing the use natural gas as a transportation fuel. Prior to joining ANGA, Mr. Riedel worked at a major natural gas and is focused on increasing the use of natural gas as a transportation fuel. Prior to joining ANGA, Mr. Riedel worked at a major exploration and production company working on natural gas demand development. His experience in the natural gas industry includes transportation and equipment, upstream development, project management, strategic communications, and government relations.

Greg Roche is the vice president of sales and marketing at Cosmoodyne. His role is to help Cosmoodyne customers with the purchase of cryogenic liquefaction plants for producing LNG as well as air separation plants for producing liquid oxygen and liquid nitrogen. Prior to joining Cosmoodyne, Mr. Roche was the vice president of national accounts and infrastructure for Clean Energy, where he performed LNG and CNG business development, strategic partner development, real estate management, and project development. Mr. Roche graduated from Iowa State University and UCLA.

Steve Roix was named GTI sales manager for Altronic in September 2008. Mr. Roix is responsible for sales, promotion, and growth of the GTI-Bi-fuel® Systems product line on a worldwide basis. He has traveled the world extensively in the development and management of Altronic’s GTI Master Distributor / Dealer Network. In the past six years since joining Altronic, he has grown this global network to 23 Master Distributors with numerous sub-dealers and has witnessed exponential growth in Altronic’s bi-fuel business. GTI is recognized as the leading manufacturer of stationary bi-fuel systems and Mr. Roix’s scope of responsibility includes finding and introducing new emerging markets to this technology. Mr. Roix received his college degree in accounting, but has enjoyed a career of nearly 40 years of management experience in accounting, construction equipment, generator sales, and bi-fuel technology.

David Ross is the vice president of demand development for EQT Production. He is responsible for developing alternative uses for natural gas. In 2007 he began working on the use of natural gas in the transportation sector and was integral in bringing in over $10MM of grant funds to the western Pennsylvania region for CNG fueling stations and vehicles. Recently he has taken on the responsibility of overseeing the project of using more natural gas in EQT’s drilling and completions operations. He was responsible for the justification and conversion of EQT’s contract drilling rigs to utilize natural gas as well as working with EQT’s completions services provider to utilize natural gas in their operations.

John Sagman has been senior vice president and chief operating officer of Wellgramm Ltd since the fall of 2012. He holds a degree in mining and mineral process engineering from the University of British Columbia and has over 30 years of mining experience including the design, development, commissioning, and management of both open pit and underground mining projects. Mr. Sagman formerly held the position of vice president of technical services with Capstone Mining Corp., where he oversaw reserve estimates, NI 43-101 compliant technical reports, mining methods, equipment selection, and design and implementation of technical improvement projects. Mr. Sagman has an extensive background in mining-related project and operations, including Vale’s Totton Ni-Cu-PGM mine as well as Xstrata Nickel’s Craig, Fraser, Lockerby, Strathcona and SRMQ Raglan operations and projects and Placer Dome open pit and underground operations and projects. Mr. Sagman received his Project Management Professional designation in 2010 and is licensed with the Association of Professional Engineers and Geoscientists of British Columbia.

David Schultz joined LNG America in September 2013 and leads the company’s commercial activities. Prior to joining LNG America, Mr. Schultz built Pivotal LNG, a wholly-owned subsidiary of AGL Resources, into a leading provider of LNG to the high horsepower marketplace. During his time at AGL, he led several infrastructure projects and their attendant commercial activities. As vice president of fuels for Pivotal LNG, he was responsible for leading Pivotal, and...
overseeing and developing AGI Resources’ existing LNG merchant production. Mr. Schultz has nearly 30 years of experience in the energy industry, including senior positions in the power generation and natural gas pipeline industries. Mr. Schultz holds a bachelor’s degree in political science from San Diego State University. He previously has served on the board of directors of the Texas Energy Museum.

Max Simnitt joined the Prometheus Energy management team as the manager of projects in January of 2011. Since that time, he has taken on the duties as the director of operations and projects. He brings to the company over 27 years of operations, project management and execution experience in the oil and gas industry. Prior to joining Prometheus Energy, Mr. Simnitt was project manager for Port Barre Investments, LLC, a private equity-backed company formed to develop, build, and operate the $360 million Bobcat Gas Storage facility in Port Barre, Louisiana, that was sold to Spectra Energy in 2010. Prior to Bobcat, Mr. Simnitt worked for upstream, midstream, and downstream companies such as Mustang Engineering, JP Kenny, Jacobs Engineering Group, and Liewen Engineers and Constructors. Most of his time was focused on engineering, procurement, and construction of refineries and chemical plants, with experience in subsea facilities and power plants as well. Mr. Simnitt brings experience that spans the full lifecycle of the project—from feasibility to commissioning and startup. Mr. Simnitt has a BS in construction science from Texas A&M University.

Paul Sjorgen is the general manager of LNG emerging markets for Chart Inc. He joined Chart in 1989 and during his time with the company, he has assisted in the development and marketing of several of Chart’s innovations. From 2002 until recently, Mr. Sjorgen worked with early stage companies to develop them for growth. Mr. Sjorgen holds a master’s degree in management of technology and a bachelor’s degree in mechanical engineering from the University of Minnesota.

David Stubbs is the director of properties and environmental compliance for the Jacksonville Port Authority (JAXPORT). In his role, Mr. Stubbs is responsible for all property acquisitions/dispositions, evaluation of land lease proposals, development of port properties for non-port related functions, environmental compliance, green initiatives, and seeks sources of capital funding through grants and other available programs. Mr. Stubbs has served in this capacity since joining JAXPORT in 2003. Prior to joining JAXPORT, Mr. Stubbs served as a development officer for a national real estate investment trust. He was responsible for development of executive office parks and the sale and purchase of multi-million dollar office buildings. Mr. Stubbs has a Bachelor of Business Administration degree from the University of North Florida, is a licensed Florida real estate broker, and holds the Certified Commercial Investment Manager (CCIM) designation.

Steve Stump is vice president of sales for Stableis Energy. Stableis Energy is a producer and distributor of LNG specializing in high horsepower fuel markets. Mr. Stump has 40 years of experience with cryogenic and compressed gas equipment having served as president of Chart Cryogenic Services and Trinity Container. Mr. Stump served as vice president of sales for Worthington Cylinder for 22 years. He is a graduate of Ohio State University.

Jeff Taylor joined Caterpillar 25 years ago. He has spent most of his career in the Off-Highway Trucks division, where he has developed skills in engineering drafting, service support publications, product support, and marketing. He graduated from Milikin University with a degree in business. Mr. Taylor gained hands-on field experience as a mining service support representative in the Canadian Oil Sands. He is currently a new product introduction project manager in the Large Mining Trucks division. He is trained in Six Sigma and applies these processes to various projects. Mr. Taylor has been leading Caterpillar’s mining truck LNG project for the past year.

Sam Thigpen is the chief executive officer and founder of Thigpen Energy, a premier service provider in natural gas fueling solutions. His range of experience includes the operation of cryogenic process plants, LNG liquefaction facilities and natural gas pipeline infrastructure. Additionally, he has developed solutions for NGV fueling infrastructure and high horsepower natural gas fueling systems. After various roles in sold service and facility operations, Mr. Thigpen left corporates America to pursue a career as an energy industry entrepreneur in 2003. Mr. Thigpen studied business at Sam Houston State University in Huntsville, Texas. He is also on the board of directors for the Gulf Coast Gas Measurement Society. He is a member of MENS, member of the Houston Livestock and Rodeo, and an endowed member of the Conroe Masonic Lodge #748 in Conroe, Texas.

Tom Tomlinson is the natural gas vehicle operations manager for Apache Corporation and is based in Tulsa, Oklahoma. He has over 22 years of experience in various energy-related positions ranging from energy efficiency engineering to gas and electricity procurement. Mr. Tomlinson currently provides technical support to Apache’s natural gas commercial development program, which includes project management of compressed natural gas (CNG) station design and construction, conversion of fleet trucks to CNG, and project management for stationary engine conversion to natural gas. Mr. Tomlinson has been involved with Apache’s natural gas vehicle program since its inception in 2008 and is active in several natural gas vehicle groups including NGVamerica, America’s Natural Gas Alliance (ANGA), and Clean Cities.

Aaron Trexler is a senior cross-platform product line manager for Waukesha gas engines where he develops and implements the product strategy for mobile oilfield power applications. Mr. Trexler leads cross-functional teams to expand and execute through life product line strategies while monitoring segment trends, developing forecasts, growing share, and product line profitability. He has been with GE for over four years and prior to GE held several positions at Chrysler Group, LLC where he gained valuable experience in manufacturing and new product development, building strategic alliances, and developing and implementing lean manufacturing strategy, policies, procedures, and teams both domestically and internationally. Mr. Trexler has an MBA from Indiana University, and a BS in management from Purdue University.

Sean Turner, chief operating officer and partner at Gladstein, Neandross & Associates (GNA), provides technical oversight on alternative fuel initiatives, air quality improvement, and vehicular technology for several of GNA’s largest clients. Mr. Turner previously served as president of the California Natural Gas Vehicle Coalition.

Mr. Vantuono was educated at Rutgers University-Newark College of Arts & Sciences, where he received a baccalaureate degree in theater arts and speech in 1981. In 1988, he received a master’s degree in public media from Montclair State University.

Dave Willick is commercial director for North America, leading all of GE Mining’s sales efforts in this region. He graduated from the University of Waterloo with a degree in chemical engineering and a management science minor. Mr. Willick has over 20 years of experience in the mining industry, including engineering, project management, account management and sales team management. He remains active in the global mining community by serving on the board of directors for the National Mining Association in Washington, DC, the board of directors for the Centre for Excellence in Mining Innovation (CEMI) in Sudbury, Canada, the board of directors for the Canadian Rare Earth Element Network (CREEN); and the Canadian Mining Innovation Council. Mr. Willick received his Project Management Professional designation in 1998 and is licensed with the Professional Engineers of Ontario.

Daniel Yuska is an environmental specialist with the US Maritime Administration’s Office of Environment. Mr. Yuska is a member of the North-East Downstream Forum, which is a forum of interested stakeholders in the industry. Mr. Yuska has over 20 years of experience in the environmental industry, including project management, business development, and technical consulting. He holds an MS and BS in environmental and ecological science disciplines.

ACD, LLC

ACD, LLC is a leading manufacturer of cryogenic pumps and turbo expanders for the alternative fuels industrial gas and oil industries. Its diverse product line includes a variety of cryogenic pumps for LNG, quick-disconnect LNG nozzles for fueling services, high-pressure cylinder/storage filling systems, trailer off-loading, bulk transfer, LNG bunkering operations, and storage tank filling. The CI Service Companies’ team provides government agencies, industry, and academia with research and development projects and policy issues. Mr. Yuska also leads environmental planning efforts for major port and intermodal infrastructure projects. He holds a BS in mechanical engineering from Washington University in St. Louis, and his MBA from the UCLA Anderson School of Management in Los Angeles.

Daniel Yuska is an environmental specialist with the US Maritime Administration’s Office of Environment. Mr. Yuska is a member of the North-East Downstream Forum, which is a forum of interested stakeholders in the industry. Mr. Yuska has over 20 years of experience in the environmental industry, including project management, business development, and technical consulting. He holds an MS and BS in environmental and ecological science disciplines.

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- Asset value appreciation without compromising balance sheet

Clean Marine Energy

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Gas engine sensors & wiring

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Custom products

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Accurate Technologies, Inc. (ATI) is a global, independent supplier of engine control system development tools headquartered in Michigan, USA. ATI will highlight its VISION™ Calibration and Data Acquisition Software and its patented, easy-to-use No-Hooks™ Rapid Prototyping Software—both used when converting trucks to natural gas, resulting in saving time and money. View demonstrations of No-Hooks™ ability to change functionality using existing electronic control units (ECU) and to swap out the prototyped code (or original code) to continue development and calibration. Let ATI propose a custom combination of ECU Interfaces, CAN interfaces such as Kaiser products, high-performance data acquisition modules, and innovative tools that work seamlessly with your existing tools to suit your specific application. Visit our booth to learn how you can accelerate ECU development and calibration with ATI solutions that are known for compatibility, ease of use, and integrated advanced features.

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ACD, LLC

ACD, LLC is a leading manufacturer of cryogenic pumps and turbo expanders for the alternative fuels industrial gas and oil industries. Its diverse product line includes a variety of cryogenic pumps for LNG, quick-disconnect LNG nozzles for fueling services, high-pressure cylinder/storage filling systems, trailer off-loading, bulk transfer, LNG bunkering operations, and storage tank filling. The CI Service Companies’ team provides government agencies, industry, and academia with research and development projects and policy issues. Mr. Yuska also leads environmental planning efforts for major port and intermodal infrastructure projects. He holds an MS and BS in environmental and ecological science disciplines.

Benefits of the Emissions Compliance Service Agreement (ECSA):

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www.acutecnologies.com

Air Liquide Global

Air Liquide Global E&C Solutions is a strategic partner and a leader in engineering and construction. Production of industrial gases, energy conversion, gas purification—are these just some of the sustainable solutions that help our customers optimize the use of natural resources. More specifically, we have built 14 LNG peak-shaving plants in the US and more than 100 nitrogen liquefiers worldwide. Our team of more than 4,000 people in 27 centers around the world meet growing customer needs and exceed their expectations through creative, safe, reliable, and competitive solutions with an optimum balance of investment and operating cost, and with efficient project management. We are committed to innovation by enhancing our portfolio of proprietary Lurgi, Cryo, and Zimmer technologies.

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Altronic, LLC
The GTI Bi-Fuel System, manufactured by Altronic, offers an affordable and efficient means of operating industrial diesel engines utilizing both diesel and natural gas (or other available gas) as fuel sources. This innovative, patented system—which requires no modification to the internal components of the engine—allows for operation on natural gas up to a maximum of 70 percent* of the fuel required to maintain the desired speed and load. Reduced exhaust emissions and fuel costs are just a few of the benefits of bi-fuel operation. Altronic, long regarded as the world’s leading manufacturer of ignition and control systems for industrial engines, also offers a line of revolutionary digital ignition systems featuring a unique, patented Varispark technology. These products represent the industry standard for quality. All are designed to improve engine performance and enhance reliability. Many also improve operating efficiency, helping to reduce emissions, which contributes to a healthier environment.

www.altronic-llc.com

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American Power Group, Inc. is energizing the future of power with innovative dual-fuel systems that reduce costs, lower emissions, and incorporate the use of alternative energy sources. This Turbocharged Natural Gas® technology helps realize the potential for more cost-efficient, greener, and cleaner fuels that align with the stimulus initiative for new energy solutions. Through the science of combustion, we create non-invasive dual-fuel systems for commercial transportation as well as stationary power. These proprietary solutions supply a blend of economical natural gas and diesel specifically harmonized to the unique specifications of commercial diesel engines. It’s an EPA-compliant dual-fuel conversion system that is engineered to work with existing engines, so it transforms existing equipment into lean, clean power systems. Simply put, it’s reshaping the future of green energy for a better tomorrow.

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Representing North America’s leading independent natural gas exploration and production companies, America’s Natural Gas Alliance (ANGA) works with industry, government, and customer stakeholders to promote increased demand for and continued availability of our nation’s abundant natural gas resources for a cleaner and more secure energy future.

www.anga.us

ANGI Energy Systems (ANGI)
Founded in 1993, ANGI Energy Systems is a North American company that designs and manufactures systems for CNG vehicle fueling and tube trailer transport in applications around the world. ANGI continues to be a leading supplier of CNG refueling equipment for natural gas vehicles, and has a standing reputation as a leader in the high pressure compression industry. ANGI provides superior customer service, project management, maintenance, and training programs that enable a complete and optimized natural gas refueling system solution for all CNG systems. ANGI is a wholly-owned subsidiary of Gilbarco Veeder-Root, the worldwide technology leader for retail and commercial fueling operations.

www.angienergy.com

Applied Cryo Technologies
Applied Cryo Technologies (ACT) is helping you put LNG to work and on the move. Whether your need is for mobile LNG regasification units; mobile LNG storage equipment; or road-tested 13,000 gallon LNG transport tankers, our friends at ACT can fulfill your requirements. ACT’s superior engineering and design, along with our unparalleled quality and workmanship, aims to build a better future by building a better product. At Dragon and ACT, we make it happen.

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Applied LNG
Applied LNG is the second largest producer and marketer of LNG in the US. We provide infrastructure and advisory services in LNG storage, fueling, and delivery systems. We also execute turn-key solutions that include equipment leasing, temporary and permanent station installations, and training. Our portfolio includes transportation, high horsepower, industrial, and municipal markets. Presently, our two trains in Topock, Arizona, have a capacity of over 170,000 LNG gallons per day. Earlier this year, Applied LNG announced the purchase of 31 acres of land in Medicaid, Texas, to build up to five liquefiers capable of producing 1.5 million gallons of LNG. Each liquefier will produce an estimated 86,000 LNG gallons per day. As producers of the first Texas liquefier, scheduled to start production in early 2015, Applied LNG is well positioned to meet the growing demand for LNG from its existing and new customers in a broad range of industries. www.appliedlng.com

AVL List GmbH
AVL is the world’s largest independent company developing IC engine powertrains plus the associated instrumentation and test systems. AVL develops and improves all kinds of powertrain systems including gasoline and hybrid systems and is a competent partner to the engine and automotive industries. Working together, AVL develops and markets all simulation methods and easy-to-use software tools which are necessary for the development work. AVL’s unique power derives from the systematic networking of single simulation results to integrated, multidimensional simulation platforms on the basis of AVL’s deep engineering expertise. The products of the business area (engine instrumentation and test systems) comprise all the instruments and systems required for engine and vehicle testing. www.avl.com

Bestobell
Originally founded in 1857, Bestobell has more than 50 years experience in the development and supply of cryogenic valves for industrial gas, and more than 10 years experience in providing valve solutions to the emerging LNG marine markets and associated industries. www.bestobellvalves.com

Bunkerworld
Founded in 1997, Bunkerworld—a predominantly online media publication with heavy investment in technology—provides our customers access to critical information anytime, anywhere. With more than 15 years of writing on market conditions, company developments, legislation and regulation, quality, and oil market trends and analysis, Bunkerworld has a proven track record in independent, impartial, and relevant journalism. Every month, over 50,000 marine fuel industry stakeholders and professionals visit Bunkerworld because of its data, intelligence, and insight. They rely on its quality, fair and impartial judgment, real-time reporting, reliable information, and expertise to help form their opinions and succeed at work. Bunkerworld aims to provide the best possible access to up-to-date information, focusing on depth and breadth through 24/7 real-time global news, daily prices, and analysis. www.bunkerworld.com

Caterpillar, Inc.
For more than 85 years, Caterpillar Inc. has been making sustainable progress possible and driving positive change on every continent. With 2012 sales and revenues of $65.875 billion, Caterpillar is the world’s leading manufacturer of construction and mining equipment, diesel and natural gas engines, industrial gas turbines, and diesel-electric locomotives. The company also is a leading services provider through Caterpillar Financial Services, Caterpillar Remanufacturing Services, and Progress Rail Services. www.caterpillar.com

California Natural Gas Vehicle Coalition
The California NGV Coalition is an association of natural gas vehicle and engine manufacturers, utilities, fuel providers, and fleet operators serving the state. We are united in the belief that clean-running NGVs—a proven technology in use worldwide—can help California reduce greenhouse gas emissions, air pollution, and petroleum dependence now. The Coalition is the industry’s premier advocacy organization in California. We work with legislators and regulators to develop policies that will increase alternative fuel and vehicle use, support new initiatives, and provide up-to-date information on NGV technology and market developments. We also advise stakeholders on testing and demonstration programs and help NGV-related businesses break into the California market. www.cngva.org

Canadian Natural Gas Vehicle Alliance
The Canadian Natural Gas Vehicle Alliance (CNGVA) promotes the sustainable growth of natural gas vehicles, refueling infrastructure, and renewable gaseous fuels for the benefit of Canada’s economy and environment. Natural gas transportation technologies provide proven, commercially available solutions that reduce emissions while using lower-cost fuel. Our members are the leading Canadian companies active in engine and vehicle manufacturing, fuel and infrastructure supply, vehicle conversion, research, and marketing. North America is very well positioned to reduce emissions from on- and off-road transportation sources by leveraging its abundant natural gas resources. The CNGVA welcomes opportunities to collaborate in growing the North American market for alternative fuels in a safe and sustainable fashion. www.cnnga.org

CAZGIR
CAZGIR CORP is an international designer and manufacturer of transport and stationary cryogenic and oilfield service equipment. CAZGIR manufactures mobile cryogenic vessels, cryogenic ISO and offshore containers, cryogenic turn-key systems including different types of mobile and stationary stations, and oilfield service equipment in its manufacturing facilities in Turkey and the USA. Furthermore, CAZGIR is able to design, manufacture, and package all of its stationary and mobile products based on the specific design requests of its customers and sells these tanks over competitive pricing levels with global quality standards (tainer-made design for complete turnkey systems including the software, PLC and telemetry, electrical heater, automation, etc.). CAZGIR manufactures all of its products according to ASME/DO/ICE, AD/RI/D, IM90, DNV 2.7.1, EN1907-2, ASME, TTS UN Portable Tank, GOST, and Australian standards which can be presented to you upon your request. CAZGIR also has after-sales support teams and partners in the USA, Australia, Canada, Europe, the Middle East, Russia, and Africa. www.cazgir.com.tr
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Chart is a leading independent global manufacturer of highly engineered equipment used in the production, storage, and end-use of hydrocarbon and industrial gases. We are the industry’s unrivaled integrated supplier and worldwide leader in LNG equipment for the transportation and energy industries. As the only company to address the entire LNG value chain—liquefaction, distribution, storage, and end-use—we bring more than 40 years of experience in LNG solutions to our customers and thereby facilitate the use of clean, low-burning and safe fuel alternative to diesel for our future. Chart has domestic operations located across the United States and an international presence in Asia, Australia, and Europe.

www.ChartNG.com

Clean Energy
Clean Energy Fuels Corp. (Nasdaq: CLNE) is the largest provider of natural gas fueling solutions for the transportation industry. With over 20 years of experience, Clean Energy’s dedicated LNG division is at the forefront of designing LNG innovations and equipment while developing over 70 percent of the LNG fueling stations in North America alone.

www.cleanenergyfue.com

Clean Marine Energy, LLC
Clean Marine Energy, LLC (CMEM) is dedicated to helping ship owners take the lead in the next era of low-emissions shipping. CME offers ship owners a proprietary financial mechanism to eliminate the large upfront capital expenditure required for LNG fuel conversion. CME’s comprehensive solution addresses ship owner needs in the face of upcoming emissions regulations, and CME is viewed as an industry pioneer with an innovative value proposition. The Emissions Compliance Service Agreement (ECSA) is a capital efficiency solution that will cover the cost of conversion, and guarantees LNG supply and delivery to the converted vessels in exchange for a share of the future fuel savings.

www.clearmarineenergy.com

CMR Group
CMR Group develops instrumentation, software, and controls for diesel/gas engines, offshore platforms and vessels, marine, and industrial applications around the world. We are an engineering partner to leading alternative fuel engine customers supplying OEM and custom wiring systems, sensors, pressure regulators, and supervision/monitoring equipment for rugged applications. Employing 700 people worldwide at nine different operating locations, CMR Group operates a Global to Local (“Glocal”) business model with eight of our locations offering local manufacturing support. This is a total fit for our global customers with a geographically diverse design, engineering, and manufacturing facilities. Designs developed in any world region can be prototyped locally and manufactured at a CMR location to suit your cost and delivery needs.

www.cmr-group.com

ComAp LLC
ComAp is a dynamic international company with a solid reputation for delivering innovative electronic solutions to the power generation and transportation sectors. ComAp's product portfolio includes power and control systems; automation; energy management systems; and control systems for the power generation, transportation, and marine industries. ComAp has been proving with a number of references and projects across the world. ComAp’s unique offering allows our customers to purchase standard equipment that is modular and can easily be installed in order to construct their LNG distribution system, thus reducing the overall installation costs.

www.comaplc.com

Cryostar USA East
Cryostar USA East 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 two locations in the United States, Cryostar supplies most major gas companies, gas distributors and service providers. Cryostar USA is providing equipment and solutions for LNG and LNGC reusing stations, LNG bunkering stations and equipment, LNG trailer systems, LNG rail stations, LNG tankers which have been proven with a number of references and projects across the world. Cryostar’s unique offering allows our customers to purchase standard equipment that is modular and can easily be installed in order to construct their LNG distribution system, thus reducing the overall installation costs.

www.cryostar.com

Cummins, Inc.
Cummins Inc., a global power leader, is a corporation of complementary business units that designs, manufactures, distributes, and services diesel and natural gas engines and related technologies, including fuel systems, emissions control, and electrical and power generation systems. Headquartered in Columbus, Indiana, Cummins currently employ approximately 48,000 people worldwide and serves customers in approximately 190 countries and territories through a network of approximately 600 company-owned and independent distributor locations. Follow Cummins on Twitter at http://twitter.com/Cumminsengines and on YouTube at http://youtube.com/Cumminsengines.

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Founded in 1933, the magazines, books, sourcing guides, websites, and e-newsletters of Diesel & Gas Turbine Publications provide critical product, technology, and industry news for designers and users of all kinds of engine-powered equipment. COMPRESSORtech magazine; COMPRESSORtech on Spanish magazine; Diesel & Gas Turbine Worldwide magazine; Diesel Progress North America magazine; Diesel Progress International magazine; the Diesel & Gas Turbine Sourcing Guide, the Compression Technology Sourcing Supplement—simply put, if it has an engine in it, and is not a car, one of our publications covers the people and companies who manufacture the equipment and use the components.

www.dieselpub.com

DNV GL
Driven by our purpose of safeguarding life, property, and environment, DNV GL enables organizations to advance the safety and sustainability of their business. We provide classification and technical assurance along with solutions for the marine, offshore, oil and gas, and energy industries. We also provide certification services to customers across a wide range of industries. Combining leading technical and operational expertise, risk methodology, and in-depth industry knowledge, we empower our customers’ decisions and actions with trust and confidence. We continuously invest in research and innovation to provide customers and society with operational and technological foresight. With our origins stretching back to 1864, our reach today is global. Operating in more than 100 countries, our 14,000 professionals are dedicated to helping customers make the world safer, smarter, and greener. In the maritime industry DNV GL is the world’s leading classification society and a recognized advisor. We enhance safety, quality, energy efficiency, and environmental performance of the shipping industry.

www.dnvgl.com

Dragon Products
Dragon Products is a 58-year family-owned manufacturer of oil field equipment out of Beaumont, Texas. Dragon manufactures and distributes LNG, cryogenic and NGL transportation, distribution, and onsite storage, vaporization, and pumping equipment. Products include transports, regasification, ambient and powered vaporization skids, pumping skids, modular distributions, ISO containers, and mobile fuelers. Dragon offers turnkey gas and liquid solutions to HHF dual-fuel and dedicated LNG engines. Dragon specializes in gas fuel supply to dribblers and pressure pumps. Dragon offers storage and transportation equipment for NGL gathering and distribution. Dragon is a master distributor for Applied Cryogenic Technologies (ACT) of Houston, Texas.

www.dragonproductsltd.com/trailers/transport-trailers/
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Dresser-Rand

Dresser-Rand’s LNGo ™ modularized, portable natural gas liquefaction plant is capable of producing 6,000 gallons of LNG per day. This onsite production plant is a standardized system combining four packaged skids that includes D-R Guascor® natural gas engine, D-R MOS compressor, and processing modules. Our engines can also be packaged as stand-alone, containerized, flare gas-powered generating plants up to 1.2MW. Dresser-Rand Guascor® engines use the latest technologies which increase power, reduce fuel consumption, and optimize maintenance costs. They can be powered by natural gas, biogas, landfill gas, sewage gas, flare gas, and other gases. Dresser-Rand is among the largest global suppliers of custom-engineered rotating and reciprocating equipment designed for critical applications in the oil, gas, petrochemical, and energy industries.

www.dresser-rand.com

Energy Conversions Inc.

Energy Conversions Inc. (ECI) designs and manufactures natural gas and dual-fuel or bi-fuel systems for diesel engines common to power generators, offshore drilling, industrial, and locomotive industries. In the early 1990s, Energy Conversions was the first to commercially demonstrate a natural gas-powered locomotive. The ECI retrofit system, which converts a General Motors EMD diesel engine to dual-fuel operation (some call bi-fuel), uses electronically controlled direct fuel injection and is capable of full horsepower high fuel replacements (90 percent) while substantially reducing emissions. ECI now offers spark ignition for EMD engines and the Economerizer systems for a more simplified conversion of four stroke diesel engines. Today, ECI continues to develop and implement natural gas systems for power generators, locomotives, and various power applications worldwide while researching new avenues of alternative fuel use. Other alternative fuels that ECI has interest in, DME and hydrogen, both demonstrate very clean alternatives to today’s fuels. Development in infrastructure and fuel cost will be the determining factor.

www.energyconversions.com

Excel Engineering

Excel Engineering has steadily grown into a very capable 28-cell engine testing facility. Excel has experience testing complex modern gasoline, natural gas, propane, and diesel engines in various test cells in an automated fashion including but not limited to: cold ambient, cold flush, durability, genset load bank, tilt stand, and fully capable transient emissions. Past tests include 25,000 hp engines and durability tests from 100-3,000 hour durations. Additionally, the company offers vehicle testing and performs engine removal/ installation from vehicles for testing in the cell. We strive to provide high quality testing in a timely manner.

www.excelengineering.org

Fairbanks Morse

Fairbanks Morse Engine is a worldwide leader in diesel and dual-fuel engine technology and manufacturing. Our mission is to provide the highest quality diesel and dual-fuel engines and generator sets, OEM parts, and factory trained field service support. We are a trusted provider of reliable engine drive solutions for a wide range of mission-critical applications, including power generation—base load and standby power plants, and emergency back-up power for nuclear plants—as well as ship propulsion and shipboard power for the United States Navy, United States Coast Guard, and commercial vessels.

www.fairbanksmorse.com

Federal-Mogul Corporation

Federal-Mogul Holdings Corporation (NASDAQ: FDML) is a leading global supplier of products and services to the world’s manufacturers and servicers of vehicles and equipment in the automotive, light-, medium-, and heavy-duty commercial, marine, rail, aerospace; power generation, and industrial markets. The company’s products and services enable improved fuel economy, reduced emissions, and enhanced

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vehicle safety. Federal-Mogul operates two independent business divisions. Federal-Mogul Powertrain designs and manufactures original equipment powertrain components and systems protection products for automotive, heavy-duty, industrial, and transport applications. Federal-Mogul Motorparts sells and distributes a broad portfolio of products through more than 20 of the world’s most recognized brands in the global vehicle aftermarket, while also serving original equipment vehicle manufacturers with products including braking, chassis, wipers, and other vehicle components.

www.federalmogul.com

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 all high horsepower and clean power industries. Ferus NGF built the largest merchant LNG plant in Canada and is jointly building two LNG plants with ENN Canada in Alberta and British Columbia. Ferus NGF’s sister company in the United States is an equal partner in Eagle LNG Partners, a consortium building LNG infrastructure across the country, and is partnered with GE in The Last Mile™ Fueling Solution—a fully-integrated CNG supply solution for oil and gas and other high horsepower operations, often using gas that would have otherwise been flared. Ferus NGF is part of Ferus, a North American group of companies whose product lines also include liquid nitrogen (LN2) and carbon dioxide (CO2), coupled with the related logistical services, for well stimulation and enhanced oil recovery.

www.ferus.com

FlexGen Power Systems
FlexGen® Power Systems designs and builds rugged, reliable, high efficiency power systems for government and industrial customers worldwide. Our innovative products integrate high-performance energy storage and power conversion technologies with traditional diesel and natural gas gensets to increase power performance and reliability, while also delivering significant fuel, maintenance, and emissions savings. FlexGen® Power Systems has developed and patented best-in-class hybrid energy storage technology and fielded products globally which are specifically designed for off-grid applications on the battlefield, on the oilfield, at sea, and in remote industrial sites where reliable electrical power is mission-critical—where operators rely on diesel and gas gensets, and where fuel and maintenance logistics are challenging and expensive.

www.flexgenpowersystems.com

FNX LNG Solutions
FNX has developed a new type of LNG plant that incorporates the concepts of mobility, modularity, and scalability. The FNX® solution for needed supplies of LNG to the fuels market includes plant offerings of three sizes: 17,000, 34,000 and 68,000 LNG gallons per day. The skid-mounted modules are equipped from the factory with all the required piping, valves, control wiring, and instrumentation needed for the safe operation of the plant. The modules are typically mounted to concrete pads. The piping interconnection between modules can be done using either flexible or rigid connectors and electrical, control and LV interconnection between modules is done by means of connectors. These new LNG plants offer a solution to meet unresolved needs for LNG in high horsepower applications and on-road transportation. Visit us at booth #516.

www.fnxngas.com

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 wheelpack 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’s Distributed Power Business
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 150 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

GE Oil & Gas
GE Oil & Gas works on the things that matter in the oil and gas industry. In collaboration with our customers, we push the boundaries of technology to bring energy to the world. From extraction to transportation to end use, we address today’s toughest challenges in order to fuel the future. Follow GE Oil & Gas on Twitter @GE_OilandGas.

www.geoilandgas.com

GFS Corp
GFS Corp is a world leader in the development of retrofit conversion technologies that allow high horsepower diesel engines to operate on natural gas. GFS Corp provides a range of products that deliver significant cost savings and improved sustainability to the mining, rail, oil, and gas, and power generation industries. Our conversion technologies are variously compatible with liquefied natural gas (LNG), field gas and pipeline-supplied natural gas. The GFS Corp product line-up includes the EVO-MT System that allows mine haul trucks to operate on LNG, the EVD-SP System that allows drilling, fracking, and power generation systems to operate on LNG, field gas, or pipeline natural gas, as well as the EVO-LT System that allows locomotives to operate on LNG. The EVO-MT, SP, and LT conversion systems have all been designed for easy in-field retrofit and combine performance and operator safety with a rapid return on investment.

www.gfs-corp.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

Global Fabrications
Global Energy Solutions—a division of Global Fabrication Inc. and its newest offering in the growing US-sourced energy market—is a whole new approach on age-old technology. By using proven process coupled with our in-house engineering and fabrication capability, we have devised a new and cost-effective approach to small-scale LNG liquefaction and distribution. Our small-scale LNG plants allow you to produce your own LNG or CNG for your own use on your own property using pipeline gas. The plants can also be setup off-grid to liquidly natural gas at stranded wells to facilitate cheaper transportation to market via LNG tankers. With systems from 6,000 gallons per day up to 250,000 gallons per day, we are sure to have a system that fits your needs. Thanks to our years of experience as an ASME code shop and firsthand field knowledge in all sectors of industry, we have the tools to create a system tailored to your needs no matter what they may be. www.globalfabricationsinc.com

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. For more information email: energyservices@gpstrategies.com. 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 designated as a 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

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

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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 this industry. Our tanks set the standard for excellence in safety, efficiency, 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. We also provide natural gas infrastructure storage with our TUFFSHELL® Ground Storage modules. www.hexagonlincoln.com

Hitachi High-Tech AW Cryo, Inc.
Hitachi High-Tech AW Cryo, Inc. (HTAW) specializes in manufacturing and sales of 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.hittech-lng.com

Hoffer Flow Controls
North American shale gas continues to provide opportunities for firms like Hoffer Flow Controls. Hoffer’s cost-efficient and highly accurate flowmeters can assist heavy equipment manufacturers to maximize fuel-savings and meet air quality standards. Hoffer Flow Controls provides “Advanced” Turbine Flowmeter Technology in fuel flow measurement and for many liquid and gas applications. Markets served include marine, oil and gas drilling, rail, mining, power and the aerospace industries. Whether your fuel is LNG, North American shale gas continues to provide opportunities for firms like Hoffer Flow Controls. Hoffer’s cost-efficient and highly accurate flowmeters can assist heavy equipment manufacturers to maximize fuel-savings and meet air quality standards. Hoffer Flow Controls provides “Advanced” Turbine Flowmeter Technology in fuel flow measurement and for many liquid and gas applications. Markets served include marine, oil and gas drilling, rail, mining, power and the aerospace industries. Whether your fuel is LNG, LPG, or CNG, Hoffer can meet your requirements. Whether your fuel is LNG, LPG, or CNG, Hoffer can meet your requirements.
CNG, or conventional liquid, odds are we can measure it with unsurpassed accuracy and economy. Please visit us at booth #139 and see why all of the industries above select Hoffer Flow Controls, Inc. as the preferred source for highly accurate fuel flow measurement worldwide.

HosePower
HosePower is North America’s premier hydraulic and industrial hose sales and service company. With over 40 service locations throughout the United States, Canada, and Mexico, HosePower can service your company virtually anywhere. We offer award winning counter service, mobile hose repair, and state-of-the-art DEM centers. We specialize in LNG hoses and couplings, and have developed cutting edge solutions to answer some of the unique challenges in the LNG market. Visit our website for more information on our wide array of services and to find a location near you.

Hy-Lok USA
Hy-Lok is a worldwide leader in the manufacture and distribution of high performance fluid system components designed for critical customer applications. We have taken a leading role in the alternative fuel vehicle market with an array of custom products specifically designed and tested to industry standards for CNG/LNG and hydrogen-powered vehicles. Hy-Lok’s LNG and CNG product line includes NGV 1-certified receptacles, ball valves, check valves, relief valves, tee filters, and other compressed natural gas components.

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

International Mining Magazine
Engines are the powerhouses of mining equipment, from the largest mining trucks and shovels down to slurry pumps and temporary generators—and from 4,000 horsepower down to less than 20 horsepower. International Mining regularly publishes articles highlighting the importance of engine performance in mining, often in difficult conditions, having to endure high and low temperatures as well as high altitudes. IM has also followed in detail the transition of mining engines through the US EPA Tier system to the San current Tier 4 Final, while the industry continues to supply Tier 1 engines to less-regulated mining regions. International Mining has also covered in detail the mining industry’s progress in using LNG in combination with diesel, as well as other challenges, such as the underground mining sector having to meet emission standards for nitrogen oxides (NOx) and diesel particulates.

Interstate-McBee
Interstate-McBee leads the aftermarket for engines fueled by natural gas, CNG, LPG, landfill, or digestor gas. Offering coverage for Cummins®, Caterpillar® and Waukesha® engine applications, we service engines from 3.9L Cummins® all the way through 3500 and 3600 Caterpillar®. We offer quality replacement parts for the VGF and VHP series Waukesha® engines.

Intertek Automotive Research
Established in San Antonio, Texas, in 1953 to support engine lubricant testing, Intertek Automotive Research has been providing third-party engine testing services for nearly 20 years. With a global footprint, Intertek has more than 50 development cells spread across three sites in the US and UK. The Automotive Research lab currently has 11 powertrain development cells. Current services in San Antonio include endurance, development, and emissions certification (EPA Part 1065) on diesel, gasoline, and CNG engines up to 1,200 hp for steady-state testing. Transient testing can be performed on engines up to 900 hp. Specialized services include thermal shock testing as well as altitude simulation. In early-2015, the facility will be expanded to include testing services for engines up to 3,000 hp. This new high horsepower cell will support diesel, natural gas, and diesel engines. Real-time gas monitoring and fuel blending are also included.

Kato Engineering—Emerson Industrial Automation
Kato Engineering, a world leader in alternators 200kW to 25MW, offers innovative solutions dedicated to all aspects of power generation. Our products are used in some of the harshest standby and continuous-duty applications around the world. We stand ready to provide you with the special purpose and fully customized solutions needed to meet your demanding application requirements. As an integral part of Emerson (NYSE: EMR), we are uniquely positioned to deliver user focused power generation solutions to an ever-changing world.

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 45 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. See our new and unique high flow nozzles at booth #139.

Karl Dungs
Karl Dungs is a subsidiary of Karl Dungs GmbH, and 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.

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 45 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. See our new and unique high flow nozzles at booth #139.

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LNG High-Flow Nozzle
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www.intertek.com
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Louisiana Clean Fuels Partnership

Louisiana Clean Fuels works toward the advancement of the nation’s environmental, economic, and energy security by supporting local actions to diversify transportation fuel options. As a member of the Department of Energy’s Clean Cities program, LCF strives to achieve its goals by employing a variety of strategies which include promoting and implementing the use of alternative fuel vehicles, fuel blends, increased fuel economy, hybrid vehicles, and idle reduction technologies. [www.louisianacleanfuels.org](http://www.louisianacleanfuels.org)

Louisiana Mid-Continent Oil & Gas Association

Louisiana Mid-Continent Oil & Gas Association, founded in 1923, is a trade association exclusively representing all sectors of the oil and gas industry operating in Louisiana and the Gulf of Mexico. LMOGA serves exploration and production, refineries, transportation, marketing, and mid-stream companies as well as other firms in the fields of law, engineering, environment, financing, and government relations. LMOGA’s mission is to promote and represent the oil and gas industry operating in Louisiana and the Gulf of Mexico by extending representation of our members to the Louisiana State Legislature, state and federal regulatory agencies, the Louisiana Congressional Delegation, the media and the general public. [www.lmoga.com](http://www.lmoga.com)

Ludeca

Ludeca is the leading provider of preventive, predictive, and corrective maintenance solutions including laser/coupling shaft alignment, pulley alignment, bore alignment, straightness measurement, monitoring of thermal growth, online condition monitoring, vibration analysis, and balancing equipment, as well as related software, services, and training. We also have available stainless steel shims and induction heaters for proper mounting of bearings. [www.ludeca.com](http://www.ludeca.com)

Macro Technologies

The Macro Technologies product line includes innovative products such as the CryoMac® LNG Fueling Nozzle—that’s lighter, has fewer icing issues and is more cost-effective than other LNG fueling nozzles on the market—and their family of breakaway couplings that have become an industry standard for safety. [www.macrotechnologies.com](http://www.macrotechnologies.com) | [www.regoproducts.com](http://www.regoproducts.com)

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With its three business units—Engine Systems and Components, Filtration and Engine Peripherals, and Thermal Management—MAHLE ranks among the top three automotive systems suppliers worldwide. All of the group’s non-automotive activities are combined in the industry business unit with products from the application areas of large engines, filtration, and thermal management for industrial purposes. The aftermarket business unit serves the independent spare parts market with MAHLE products in OE quality. MAHLE has a local presence in all major world markets. In 2014, some 44,000 employees at over 140 production locations and ten major research and development centers are expected to generate sales of around 10 billion euros. [www.us.mahle.com](http://www.us.mahle.com)

Marine Log

Marine Log is written for management and professionals in technical management of private firms in naval and marine architecture, as well as marine engineering consultants. The publication provides marine industry professionals with the information they need to enable them to design, build, and operate vessels, rigs, and offshore structures. [www.marinelog.com](http://www.marinelog.com)

Maritime Executive Magazine

The Maritime Executive publishing company was founded in 1997. Its mission is to provide industry leaders with in-depth analyses of maritime issues and to report the news affecting the global maritime community. The company has three business units: The Maritime Executive Magazine, the MarEx Newsletter, and the MarEx website. Through these three platforms The Maritime Executive is able to reach the global maritime audience, thereby maximizing the intellectual capital of industry executives while creating enormous value for advertisers. [www.maritime-executive.com](http://www.maritime-executive.com)

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MIRATECH is a leading provider of cost-effective, reliable, and mission critical emission and noise control solutions for natural gas and diesel reciprocating engines used in natural gas production, oil and gas drilling, power generation, rail, marine, off-road, industrial mobile equipment, and fluid pumping. MIRATECH provides engine exhaust emission solutions for NOx, CO, VOC, diesel particulate, HAPs, and noise reduction with products such as NSCR, SCR, as well as DPF catalysts, silencers, and control systems. Solutions for customers feature state-of-the-art technology that leverages a strategic partnership, proprietary intellectual property, and an engineering-driven organization with a specialty that can focus on higher specification, challenging projects requiring greater customization. The Salos Operations Group provides end-to-end project management support which includes initial understanding of customer needs, engineering designs/ drawings, procurement, fabrication, logistics, installation support, integration, training, and post-sale service. [www.miratechcorp.com](http://www.miratechcorp.com)

Monico Inc.

Monico Inc. is known worldwide for integrating critical assets into control and monitoring systems. We specialize in data acquisition, protocol conversion, and remote monitoring communications. Monico has long been a leader in CAT® equipment communication and control due to its exclusive ability to communicate across CAT® Data Link, and has expanded into the Cummins® market in recent years through close collaboration with Cummins® dealers. Monico also works with Kohler, John Deer, and Wartsila engines. System integrators worldwide utilize Monico products with confidence because of a reputation for hassle-free end-user support. Monico’s products come pre-configured for simple set up and use and can be customized using the exclusive software, MonicoLive, which comes standard on every Gateway. Through the use of Monico Gateways, industrial engine users are offered simple, powerful solutions for remotely monitoring and controlling generators and engines, and the ability to predict—and prevent—downtime is an easy option for the industrial engine market. [www.monicoinc.com](http://www.monicoinc.com)

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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 personal protection—resulting in the safety of countless R&D hours, resilience testing, and a commitment to quality that protects thousands of men and women each day. Our core product focuses on portable gas detection, respiratory protective equipment, head, eye, face and hearing protection, fall protection, and fire 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.
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Norgren is a world leader in fluid and control technologies. They combine their market-leading components with advanced integration capabilities. This means Norgren can offer application-specific integrated modules using their own proven, high performance products. As an engineering group IMI plc, Norgren has a global sales and service network serving OEMs and end-users in the rail, industrial vehicle (on- and off-highway), energy, and industrial markets.
www.norgren.com/global/natural_gas

OM Off-Highway
OM Off-Highway magazine enjoys a unique niche audience reaching the entire product development team at mobile off-highway and heavy-duty on-highway original equipment manufacturers (OEMs). Over 16,000 engineers, manufacturing and purchasing agents, and corporate and operations managers ask to receive our magazine for our in-depth, multi-sourced, and unbiased editorial content. Product development professionals look to us to deliver the latest coverage of technological advancements and industry trends. Our website offers expanded coverage and online exclusives to manufacturing engineers for product development solutions for the mobile equipment market. Engineers and purchasing managers looking to spec engine systems during the design process can use OM Off-Highway’s Interactive Engine Spec Guide online.
www.omoffhighway.com

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Parker Hannifin is your competent source for natural gas conveyance technologies for piped, compressed, and liquid natural gas (PNG/ENG/LNG). Parker’s wide range of products include sealing technologies, quick couplings, regulators, valves, manifolds, hoses, dryers, filters, connections, and sensors that enable you to design world-class systems for using natural gas as a fuel for high horse-power engines. Our goal is to help you maximize performance and minimize leaks, downtime, and emissions. With annual sales exceeding $13 billion in fiscal year 2013, Parker Hannifin is the world’s leading diversified supplier of motion and control technologies and systems. Parker’s global footprint allows us to partner with customers everywhere, improving their productivity and profitability while discovering new ways to solve humanity’s biggest challenges.
www.parker.com

The Pennsylvania Independent Oil and Gas Association
The Pennsylvania Independent Oil and Gas Association (PIOGA) is the principal nonprofit trade association representing Pennsylvania’s independent oil and natural gas producers, marketers, service companies, pipeline companies, and related businesses. PIOGA member companies drill and operate the majority of the state’s crude oil and natural gas, including conventional and unconventional wells.
www.pioga.org

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 sophisticated pre-insulated cryogenic piping systems, insulation types, outer pipes, and waterproof jackets 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

PHPK Technologies
PHPK Technologies has been a leader in the design and manufacture of Vacuum Insulated Piping (VIP) systems since 1991. VIP is used where safety, minimizing boil-off gas, and reduced maintenance costs are critical. VIP has a minimum of 1/10th the heat leak of mechanically insulated piping, is easier to maintain, and can serve as a containment barrier.
www.phpk.com

Pivotal LNG
Pivotal LNG, Inc. is delivering affordable, FRRM liquefied natural gas to its customers across the United States. As an economic and environmentally friendly fueling alternative, natural gas is transforming the nation’s energy landscape and Pivotal LNG is leading the way with more than four decades of experience in LNG production and transportation. Pivotal LNG, a wholly-owned subsidiary of AGL Resources Inc. (NYSE: GAS), provides flexible and cost-effective LNG solutions for its customers—including firm, un-interruptible LNG supply, flexible contract structures, and pricing alternatives. AGL Resources owns and operates five LNG facilities and is currently the largest producer of LNG in the United States. AGL Resources meets the energy needs of millions of households and businesses with operations throughout the United States in natural gas distribution, retail operations, wholesale services, and midstream operations.
www.pivotalng.com

Power Solutions International
Power Solutions International, Inc. is a leader in the design, engineering, and manufacture of emissions-certified, alternative-fuel power systems. PSI provides integrated turnkey solutions to leading global original equipment manufacturers in the industrial and on-road markets. The company’s unique in-house design, prototyping, engineering, and testing capabilities allows PSI to customize clean, high-performance engines that run on a wide variety of fuels, including natural gas, propane, biogas, diesel and gasoline. PSI develops and delivers complete 97 to 61 liter power systems, including the 8.8 liter engine aimed at the industrial and on-road markets. PSI power systems are currently used in power generators, forklifts, aerial lifts, and industrial sweepers, as well as in oil and gas, aircraft ground support, agricultural, and construction equipment. PSI recently acquired Professional Power Products, Inc., a leading designer and manufacturer of large, custom-engineered power generation systems for both standby and prime power applications.
www.psiengines.com

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

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

PSB Industries
PSB Industries, Inc. (PSBI) specializes in air and gas dehydration and purification technologies. PSB provides integrated turnkey solutions to their customers including dehydration systems for LNG and fuel gas systems. The company’s advanced dehydration systems are designed for maximum performance and reliability. PSB’s gas drying systems are specifically designed for natural gas fueling stations and are available in 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 and ISO 14001:2004 standards.
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Railway Age covers developments in the fast moving, state-of-the-art North American freight railroading and rail transit industry. Emphasis is placed on technology, operations, strategic planning, marketing, and other issues such as legislative and labor/management developments of vital interest to railway management, railway suppliers, and consultants. Railway Age was first published in 1856 as a monthly magazine. The brand has since extended its reach to include its up-to-the-minute news site (RailwayAge.com), conferences, email newsletters, an app, social media, and more. Railway Age is the flagship publication of the Simmons-Boardman Publishing Corporation Railway Division which, along with Railway Track & Structures (www.rrtracks.com), International Railway Journal (www.riajournal.com), The Railway Educational Bureau (www.railwayeducationalbureau.com), and Simmons-Boardman Books (www.transalert.com), is the world’s largest provider of railway business information.

www.railwayage.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. We own all the equipment and there are no hidden fees or charges. 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.

www.revlng.com

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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 requirements. 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 aftersales service and testing capability.

www.ricardo.com

Rolls-Royce
Rolls-Royce has the largest highly innovative product and power systems capabilities in the marine market, supporting commercial and naval customers’ needs from conceptualization through design, build, testing, and delivery, and after-market lifecycle support. In addition to being the global leader in pure gas solutions for the marine market, the full range of Rolls-Royce equipment in service with 4,000 customers onboard more than 25,000 vessels includes marine gas turbines and generator sets, high-speed and medium-speed diesel and gas reciprocating engines (MTU & Bergen), fully integrated propulsion systems (controllable pitch propellers, fixed pitch propellers, steering gear, watertjets, azimuth thrusters, and tunnel thrusters), vessel design, automation and control systems, stabilization systems, ship replenishment systems, deck machinery, and winches.

www.rolls-royce.com

Senior Flexonics
Senior Flexonics’ Bartlett, Illinois, facility (a division of Senior Plc.) is an over 100-year-old company 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 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 Oil Products
Shell is a global group of oil and gas 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

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Society of Naval Architects and Marine Engineers – Great Lakes Great Rivers Section
Society of Naval Architects and Marine Engineers – Gulf Section
The Society of Naval Architects and Marine Engineers (SNAME) has long been the preeminent society for the practitioners of the shipbuilding arts and sciences. For over a century, members have included commercial and governmental practitioners, students, and educators of naval architecture, shipbuilding, and marine ocean engineering. The SNAME Gulf Section includes Louisiana, Mississippi, Alabama and some areas of Florida. Joint section meetings are held throughout the year with our local American Society of Naval Engineers (ASNE) section. We hold meetings along the Gulf Coast, with most meetings in the greater New Orleans area. We strive to find topics that are both of interest to our members and pertinent to the local industry. If you would like more information, email us at SNAMEGulfSection@gmail.com or join us at our next local section event. www.sname.org/gulfsection/

Society for Gas as a Marine Fuel
SGMF’s sole purpose is to encourage the safe and responsible operations of vessels using gas as fuel and all marine activities relating to the supply of gas used for fuel; to develop advice and guidance for best industrial practice among its members; and to promote criteria for best practice to all who have responsibilities for, or an interest in, the use of gas as marine fuel. In advocating measures to enhance safety in the use of gas as fuel for shipping internationally, SGMF will represent the interests of its members at the International Maritime Organization (IMO) once its NGO status is formally recognized by that body. It will consult with IMO, government agencies, and other non-governmental organizations in exercising this principal role. www.sgmf.info

Southeast Louisiana Clean Fuels Partnership
Housed at the Regional Planning Commission for Jefferson, Orleans, Plaquemines, St. Bernard, St. Tammany and Tangipahoa Parishes, the Southeast Louisiana Clean Fuel Partnership is a coalition of vehicle fleet managers and operators; alternative fuel, vehicle, and technology providers; local, state, and federal government agencies; and other organizations interested in promoting policies and practices that diversify their transportation fuel options and improve our environment. The Clean Fuel Partnership’s initiatives focus on cleaner fuels, advanced vehicles, fuel economy, and idling reduction. As part of a nationwide network of more than 85 US Department of Energy-designated Clean Cities Coalitions, the Clean Fuel Partnership provides education, technical assistance, funding information, and networking opportunities to assist fleet managers and personnel in incorporating cleaner transportation into their operations. www.cleanfuelpartnership.org

Southwest Research Institute
Southwest Research Institute® (SwRI®) is an independent, nonprofit, applied research and development organization. More than 2,800 employees work in two million square feet of laboratories, workshops, and offices in San Antonio, Texas, performing contract work for government and industrial clients worldwide. SwRI has a 40-year history of working with manufacturers of large- and medium-speed diesel and natural gas engines in areas of engine design and development to improve fuel economy, performance, and emissions. Many of our 208 engine dynamometer test cells accommodate high horsepower engines up to 7,000 horsepower in support of a wide range of research, mechanical development, and technology integration programs and evaluations of fuels and lubricants. In addition to large engine dynamometer test cells on SwRI’s main campus, a locomotive emissions test center near downtown San Antonio facilitates working with engines installed in locomotives. Large portable and stationary generator sets are also accommodated. www.swri.org
Stabilis Energy
Stabilis Energy is a producer and distributor of LNG for high horsepower engine fuel. Stabilis liquefier is nearing completion in George West, Texas, commissioning January 15, 2015. Stabilis distributes LNG from 15 contract liquefiers. Stabilis operates a fleet of transportation, distribution, and end-user equipment from depots in the Eagle Ford, DJ Basin, and Marcellus shale plays. Stabilis has full-time company employee service technicians located in these shale plays. Stabilis provides turnkey supply solutions for drilling, pressure pumping, mining, and marine service.
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Sulzer Turbo Services New Orleans Inc
Sulzer supports the users of rotating and reciprocating equipment in the oil and gas, petrochemical, fertilizer, marine, sugar production, and power generation industries. We offer top-quality field service personnel highly trained on all the products and services we offer. We are an authorized distributor for Altronic GTI Bi-Fuel Systems, Altronic Custom Ignition Systems, Altronic Controls, TDI Air Starters, Apecs Governors, Testo Inc. emission analyzers, Lincoln Industrial Lubrication Systems, Altronic spark plugs, BG spark-plugs and accessories, Champion spark plugs, Stift spark plugs, Elmerachim Catalysts, and Johnson Matthey Catalysis, to name a few. We have three facilities to serve you—Belle Chasse and New Iberia (both in Louisiana), and Kalkaska, Michigan. Our service centers are ISO 9001, ISO 14001, and OHSAS 18001 certified. Please contact us at sulzerneworleans@sulzer.com or 504-972-1800.
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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 dedicated to being the leading North American oil and gas exploration and industrial natural gas fuels service provider. Our ability to competently work with LNG, CNG, and field gas applications for drilling and pressure pumping operations is the driving force behind our continued efforts to increase the use of natural gas for high horsepower fueling. This effort is also combined with our goal of being an industry leader in oil and gas site automation. Thigpen Energy strives to achieve the highest level of customer satisfaction possible, while also focusing on maintaining a comprehensive safety program.
www.thigpenenergy.com

W&O Supply
Founded in 1975, W&O is one of the world’s largest suppliers of pipe, valves, fittings as well as cryogenic products, actuation and engineered solutions to the maritime and upstream oil and gas industries. Serving a variety of customers, W&O operates a worldwide network of strategically located branches from its corporate headquarters in Jacksonville, Florida.
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WesMor Cryogenics, LLC

Trinity Cryogenics, LLC companies are growing cryogenic manufacturing and service companies dedicated to our core values—building long-lasting relationships with customers by providing quality design and workmanship, timely scheduling, fair pricing, and outstanding customer support. Founded in 1999 as a cryogenic equipment repair shop, and now a part of Trinity Industries, Inc.’s Trinity Cryogenics group, WesMor continues to grow, with in-house facilities in three states, and manufacturing facilities and company headquarters in La Porte (Houston area), Texas. WesMor Cryogenics’ repair shops are located in La Porte, Texas; Stidell, Louisiana; and Port Washington, Ohio. WesMor Cryogenics’ LNG specific product line includes transport trailers (with or without a pump and flow metering system), various models of 20- and 40-foot ISO/MDO containers; portable Queen LNG Fueling Stations; Queen mobile storage trailers; and Queen Regasification Supply trailers.

www.wesmor.com

WesPac Midstream LLC

WesPac Midstream LLC (“WesPac”) is focused on developing, building, owning, and operating midstream assets in North America, with a core focus on the emerging transportation sector for marine vessels, trains, and vehicles switching to LNG from diesel or other oil-based fuels. WesPac provides turnkey solutions that are designed and engineered by WesPac for the specific needs of its customers. WesPac and its partner, Pivotal LNG, have been awarded the LNG liquefaction project for TOTE, Inc. in Jacksonville, Florida. Additionally, WesPac is developing liquefaction, storage, regasification, and logistics solutions projects in certain strategic locations including Alaska, British Columbia, Florida, Georgia, Hawaii, Texas, Louisiana, Michigan, and Minnesota. WesPac is majority-owned by Highstar Capital, an independent, owner-operated infrastructure investment firm with an operationally focused, value-added investment strategy. Since 2000, Highstar has managed $7.8 billion of investments with a primary focus on energy and transportation infrastructure. Highstar is wholly-owned by Oaktree Capital Management LP, which currently has approximately $90 billion of assets under management. Highstar’s investment strategy is designed to achieve long-term, stable cash flows, while investment timing seeks to take advantage of market inefficiencies. The firm’s approach is focused on building long-term relationships with customers, delivering superior value to its investors, and achieving attractive returns for its portfolio companies. Highstar is headquartered in Houston, Texas.

www.wespac.com

Westport

Westport engineers the world’s most advanced natural gas engines and vehicles. But more than that, we are fundamentally changing the way the world travels the roads, rails, and seas. We work with original equipment manufacturers (OEMs) worldwide from design through to production, creating products to meet the growing demand for vehicle technology that will reduce both emissions and fuel costs. At Westport, we’ve been thinking about questions like how we can get from A to B more efficiently, more responsibly, and more economically for some time. And we have answers. In fact, they’re already on the road today. An entire fleet of vehicles from the world’s largest car and truck companies. All using Westport engine technology, and a next generation power supply—natural gas.

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Woodward

Woodward, Inc. is an independent designer, manufacturer, and service provider of control solutions for the aerospace and energy markets. The company’s innovative fluid, combustion, electrical, and motion control systems help customers offer cleaner, more reliable, and more efficient equipment. Woodward serves industries and end-market applications spanning aerospace, energy, industrial, and transportation sectors. Woodward’s extensive product offering includes aircraft, gas turbine, and industrial engines; gas turbine, industrial pipeline, and offshore oil & gas systems; naval ship propulsion and control systems; and metrology and aerospace components. Woodward’s proprietary technology and comprehensive suite of services provide customers with the tools they need to improve operational efficiency, lower costs, and expand market opportunities.

www.woodward.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

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- Oil and gas recovery
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Contact Tom Boberg, (210) 522-8267 or tomboberg@swri.org

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