



**Gastech**  
Exhibition & Conference

17-19 September 2019  
Houston, Texas, USA

# Post Show Report

Uncover more highlights and insights at  
[gastechevent.com](http://gastechevent.com)

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# Thank You to the Gastech 2019 Co-Hosts

**ExxonMobil**



**TELLURIAN**

VENTURE GLOBAL **LNG**



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## Silver Sponsors



## Bronze Sponsors



## Associate Sponsors



## Supported By



## Official Partner



## Venue Partner



## Knowledge Partner







## Gastech VIP Programme

# Posthumous Award Presentation in Honour of the Late President George H.W. Bush

The industry gathered at the Gastech VIP Gala Dinner to recognise those who have pioneered the modern-day energy industry by honouring the late President George H. W. Bush, the 41st President of the United States of America, with a Posthumous Award for his dedicated service to the oil and gas industry. The award was accepted by the guests of honour, President George W. Bush, the 43rd President of the United States of America, and Mrs Laura W. Bush the former First Lady of the United States of America.









# Gastech VIP Reception & Gala Dinner



The Gastech VIP Reception & Gala Dinner continues to be the pinnacle event of the Gastech week. Attracting 400 VIP delegates, from heads of state and government officials to CEOs of leading companies in the energy, gas & LNG supply chain. The evening provided an unparalleled occasion of networking, fine dining and entertainment for VIP guests.



## Entertainment by The Pointer Sisters

Guests at the VIP Gala Dinner were treated to a vibrant performance by the award-winning Pointer Sisters.



# Gastech Awards 2019

The Gastech Awards recognised some of the world's leading projects and leadership during a spectacular gala dinner that brought together hundreds of senior industry figures together to celebrate these achievements. Gastech's Governing Body, comprising of more than 60 senior industry executives representing all facets of the energy value chain, voted on the nominees and selected the final winners.

The awards were presented to Mark Gyetvay Deputy Chairman & CFO of Novatek, De La Rey Venter, Executive Vice President, Integrated Gas Ventures of Shell and Charif Souki, Chairman of Tellurian by Chairman Neil Chatterjee, Commissioner of the Federal Energy Regulatory Commission.



## **GAS & LNG PROJECT DEVELOPER OF THE YEAR**

An organisation that demonstrated excellence in the planning and delivery of a world-class gas / LNG export or import project, to include best-practice in human resource development, local content and CSR, robust social and environmental license, economic and budgetary competence, and on-time delivery.

**2019 Winner: Novatek**



## **CHAMPION OF WORKFORCE DIVERSITY & INCLUSION - ORGANISATION OF THE YEAR**

An organisation that has consistently demonstrated, and acted upon with proven policies, a robust diversity & inclusion agenda that actively encourages under-represented minorities and those from non-traditional backgrounds into careers in the oil & gas industry. These best-practices are applied confidently and universally across the organisation and form an integral part of the organisation's future organic growth plans and ambitions.

**2019 Winner: Shell**



## **LNG INNOVATOR OF THE DECADE AWARD**

An individual who has made a great personal impact on the LNG industry in the past decade - either through innovating commercial, or technological, application and delivery. The individual has demonstrated flair and passion that has contributed to evolving the LNG industry in a positive and proactive manner.

**2019 Winner: Charif Souki, Chairman of Tellurian**





# The Role of Gastech in this New Energy Landscape

For nearly half a century, Gastech has been regarded as the largest platform for the world's gas and LNG industry leaders, innovators and changemakers.

With mounting pressure on governments to meet climate commitments, the pressing need to decarbonise, and the imperative to widen access to cleaner energy for all, the benefits of natural gas as a flexible, affordable, lower-carbon fuel are clear.





## Industry Priorities

The energy industry has the opportunity to be at the epicentre of the 4th industrial age, harnessing new technologies such as artificial intelligence, opportunities created by the 'Internet of Things', and increasing adoption of automation innovation.

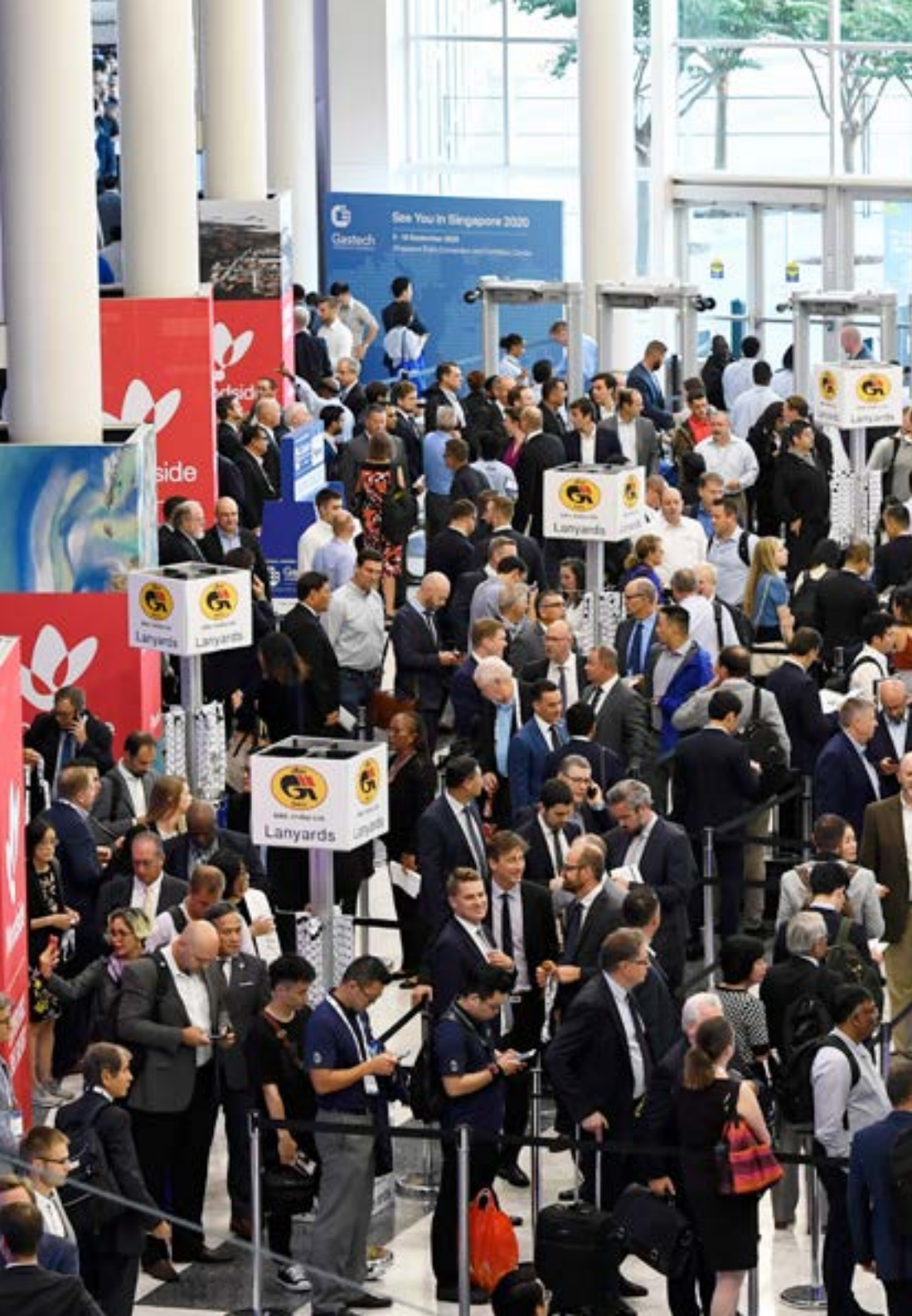
Changing demographics will continue to require new thinking on how best to engage the global workforce as organisations vie for the best and brightest talent to take them into the new energy era, where digitally focused roles will become as integral to oil & gas companies as engineers or geologists.

As the world moves towards this new energy scenario, Gastech sits at the centre of these conversations and provides a critical platform to connect and inspire the professionals that shape it. Gastech succeeds in uniting a diverse and highly-skilled group of professionals to share original research, reveal cutting edge commercial strategies, and provide exclusive insights into this exciting, rapidly-evolving, industry.

Lower-carbon fuels including natural gas will play an increasingly vital role in providing cleaner, affordable energy to a growing global population. New opportunities to power transportation such as shipping, trucks, rail and cars through cleaner natural gas, LNG and other derivatives will open up major new markets for producers in the coming decades.

Gastech also connects those working in the transmission, delivery and provision of gas as a solution to reducing noxious emissions that blight so many of the world's major cities. The switch from coal to gas is helping drive huge improvements in air quality in countries such as China, whilst supporting ambitions by international governments to reduce their carbon footprints.





# Gastech 2019: An Integrated Event Supporting Business Across the Whole Energy Value Chain

Gastech has united the global gas, LNG and energy industry for over 45 years. Its reputation, importance and influence are internationally understood.

Everything it has achieved has been due to the industry's support and an agenda that maintains a sharp focus on the industry's most important issues.

Gastech continues to place its emphasis on the future and building a platform that drives the global energy value chain forward.

Gastech attracts NOC's, IOC's, utility companies, EPC contractors, E & P companies, service companies, technology providers, shipbuilders and manufacturers for progressive discussions, business transactions and cross sector collaboration.

## Gastech 2019 Fast Facts

**30,530**

International  
Attendees

**689**

Exhibitors

**1,405**

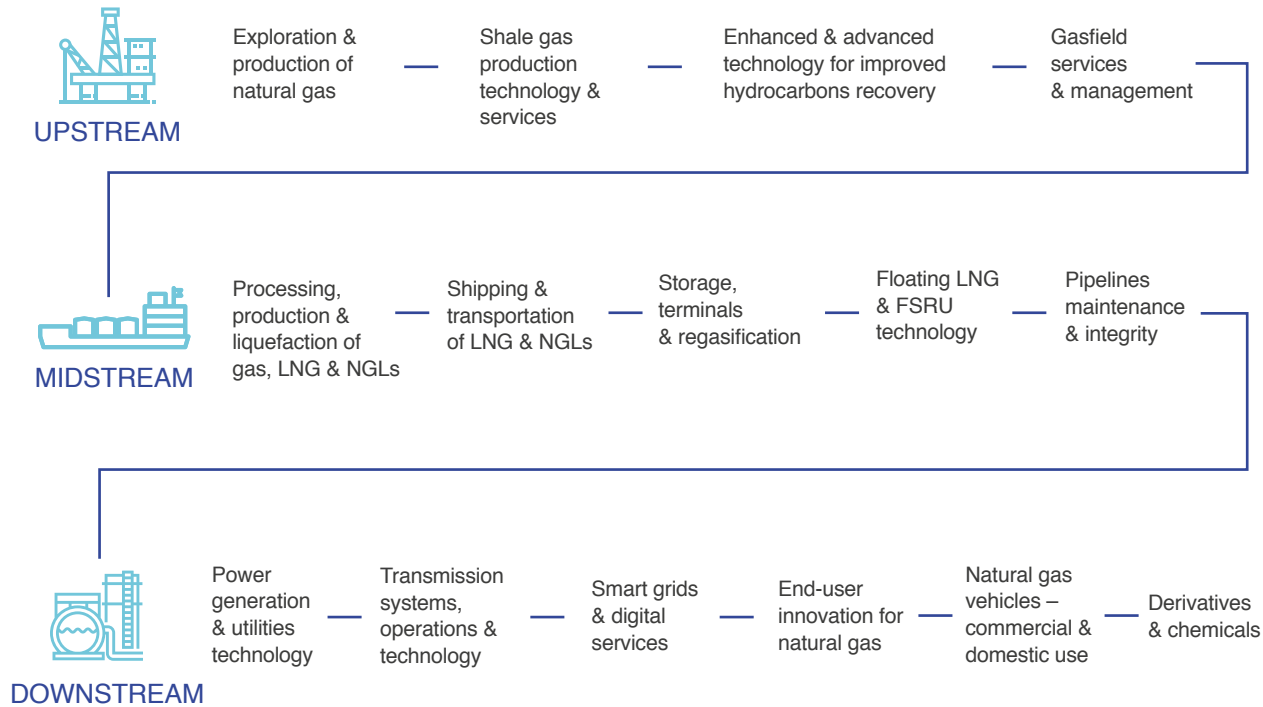
Bilateral  
Meetings

**400**

Industry  
Speakers



## Gastech covers the entire gas, LNG and Energy Value Chain



I've been very pleased to have met so many people from our industry here at Gastech. This is a wonderful opportunity to meet with international customers from all over the world.

**Paul Varello**  
CEO, Commonwealth LNG



**112**

Countries  
Represented

**55,000**

sqm of gross  
exhibition space

**30**

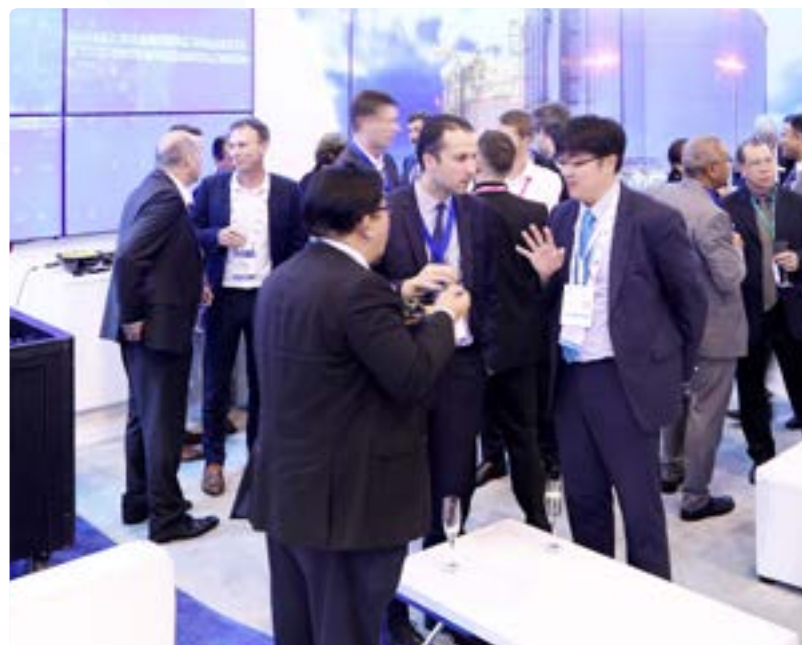
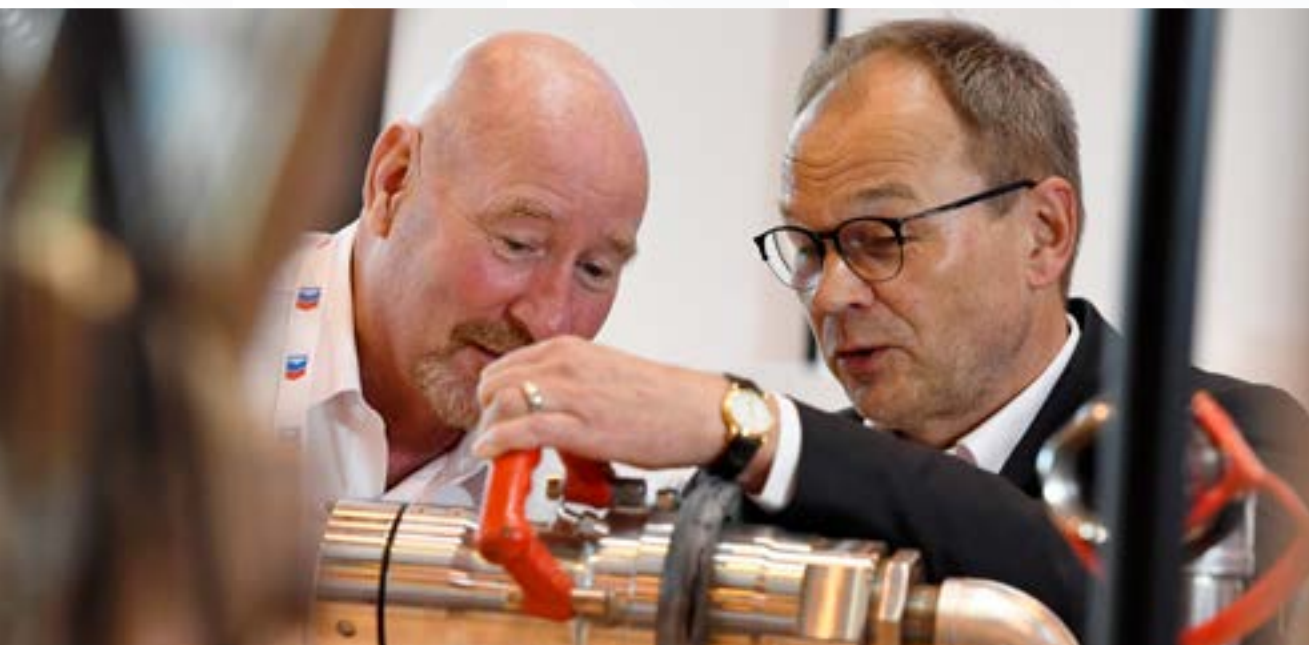
Industry Sectors

**2,516**

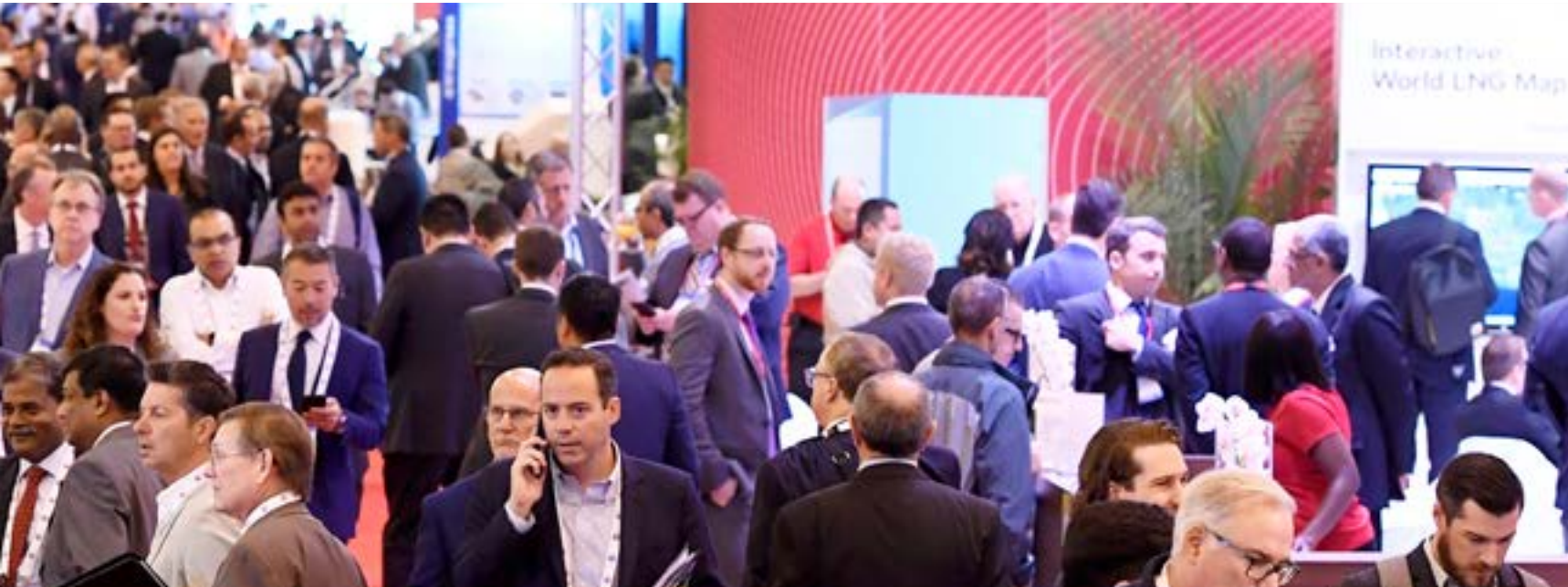
Conference  
Attendees

# Exhibition Overview - The Global Energy Industry Exhibits at Gastech

Gastech Houston welcomed thousands of attendees to the exhibition and conference over the course of the three days. Most of the world's largest national, integrated and independent energy producers attended the event, as did global engineering, procurement and construction companies. The entire gas, LNG and energy value chain was represented, with 689 exhibiting companies showcasing original and innovative equipment, technology and projects to the world.







If we look at any credible forecast by ExxonMobil, Wood Mackenzie, EIA or IEA they all forecast significant growth in natural gas demand. Most of that new demand will be driven by the emerging economies of China, India and other countries in Asia. The demand outlook for the LNG industry is very bright.

**Alex Volkov**

Vice President & Head of  
Global LNG Marketing,  
**ExxonMobil**

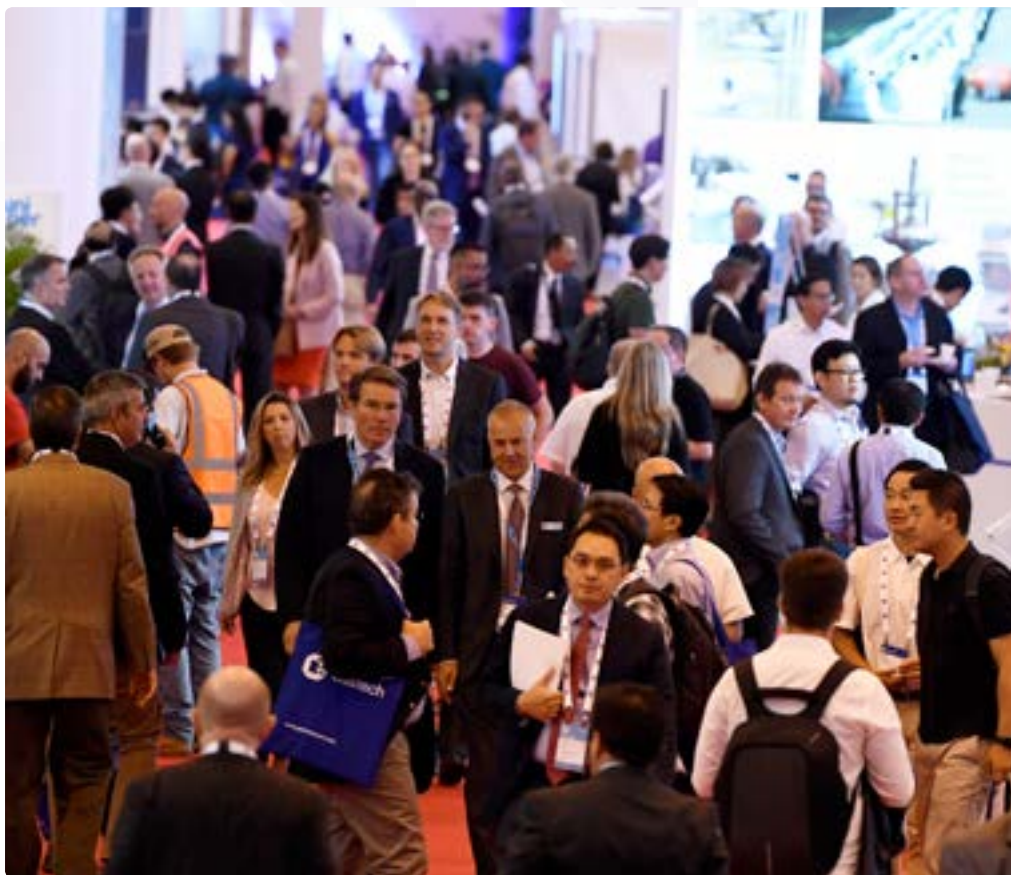




# Exhibition Highlights

Houston was highly receptive of Gastech returning to the city for the first time since 2000, and coupled with the buoyant state of the gas industry in Texas and the United States in general, this helped to drive 2019 visitor numbers to record levels. 30,530 attendees participated over the three days which created significant local, regional and national news interest. Many major new project launches, joint ventures and partnership agreements were both signed and announced by large international companies on the exhibition floor at Gastech 2019.

## Record levels of attendance



## Global innovations and new products showcased



## Live webinars and panel discussions broadcast from the show floor



## Brand new products unveiled for the first time



## Thousands of executives met up through the Global Meetings Programme



## Dedicated Industry Zones

Industry zones showcased the latest and most innovative sector specific solutions, services and technologies, providing buyers and sellers with the perfect area to meet each other and explore opportunities with the people who matter to their business.



DIGITAL &  
AUTOMATION



SHIPPING & MARINE  
ENGINEERING



SECURITY & HSE



SMALL MEDIUM  
ENTERPRISES ZONE



LNG BUNKERING &  
INFRASTRUCTURE

## Exhibiting Country Pavilions



FRANCE



ITALY



LATIN AMERICA



CHINA



SINGAPORE



JAPAN



CANADA



INDIA



USA



SOUTH KOREA

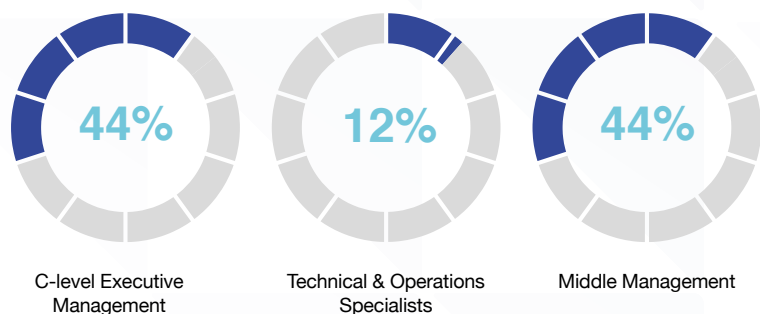


GERMANY

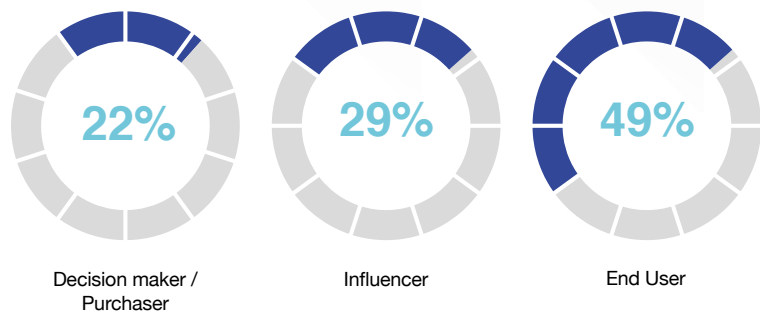
# Exhibitor Feedback

Independently researched feedback from the exhibitors was exceptionally positive towards Gastech 2019, with more than nine out of ten exhibitors satisfied that their business objectives were met and their expectations delivered. Gastech also delivered high-quality visitors with far higher-than-average purchasing and decision-making authority. This helped to create high volumes of business conducted on the show floor, a positive buzz among attendees, and an excellent overall level of satisfaction from exhibitors.

## A range of professional profiles



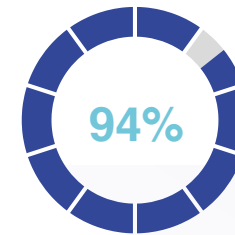
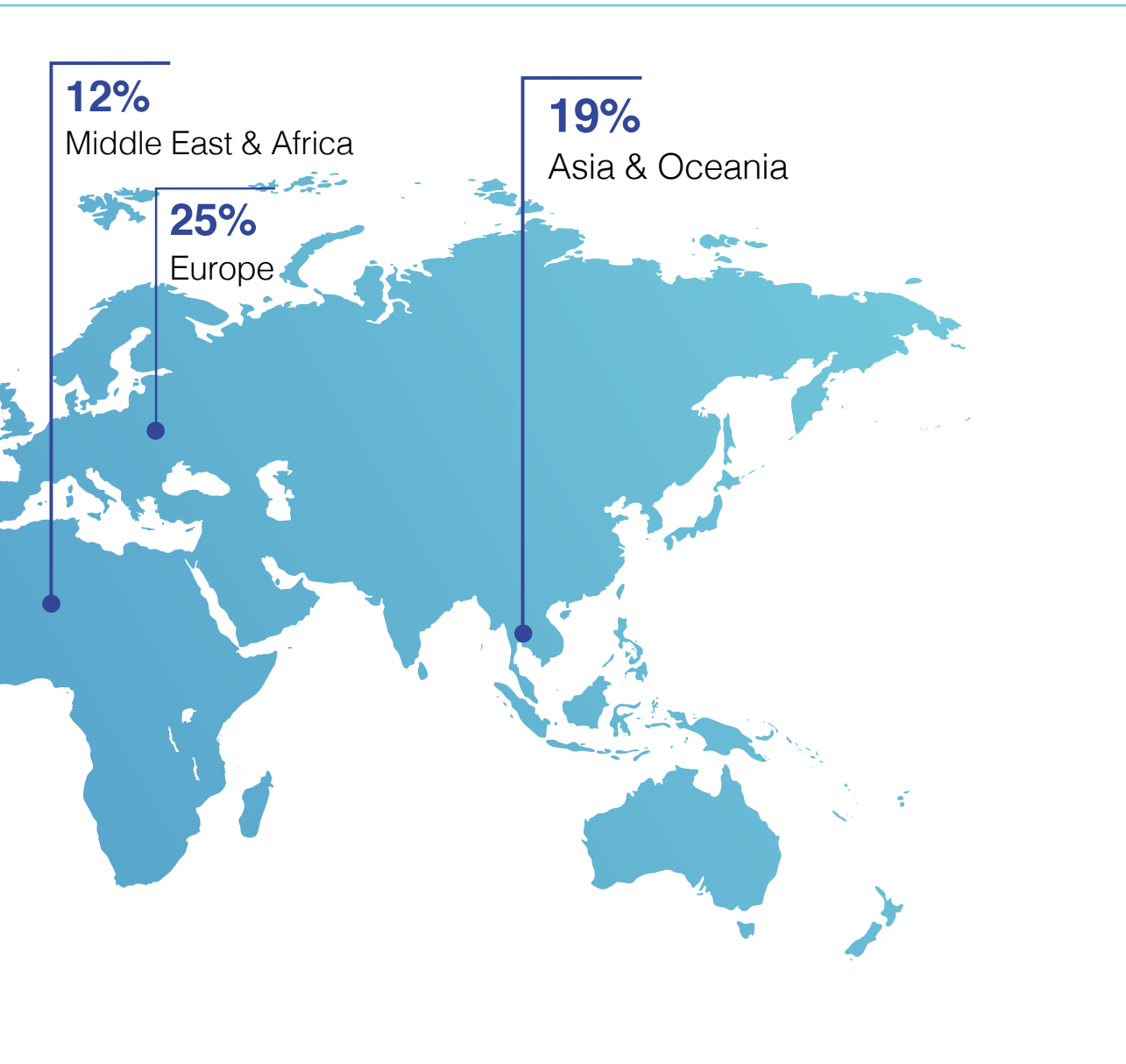
## Decision makers, purchasers & influencers



700 exhibitors from across the international gas, LNG & energy chain

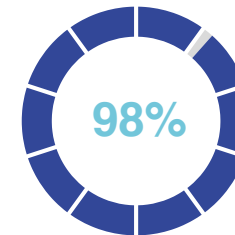




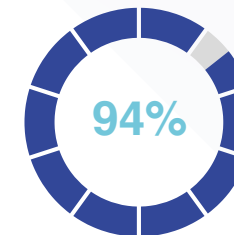


Exhibitors met their objectives while exhibiting at Gastech

Satisfaction levels of the top 3 objectives exhibitors had when exhibiting at Gastech



Meeting with existing customers, partners and distributors

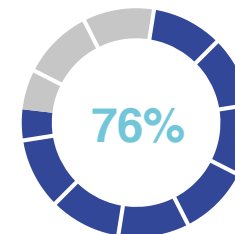


Maintaining the company's / brand's profile in the marketplace

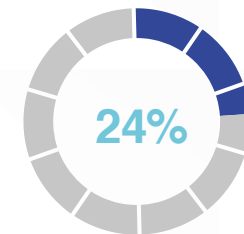


Showcasing equipment, products and services

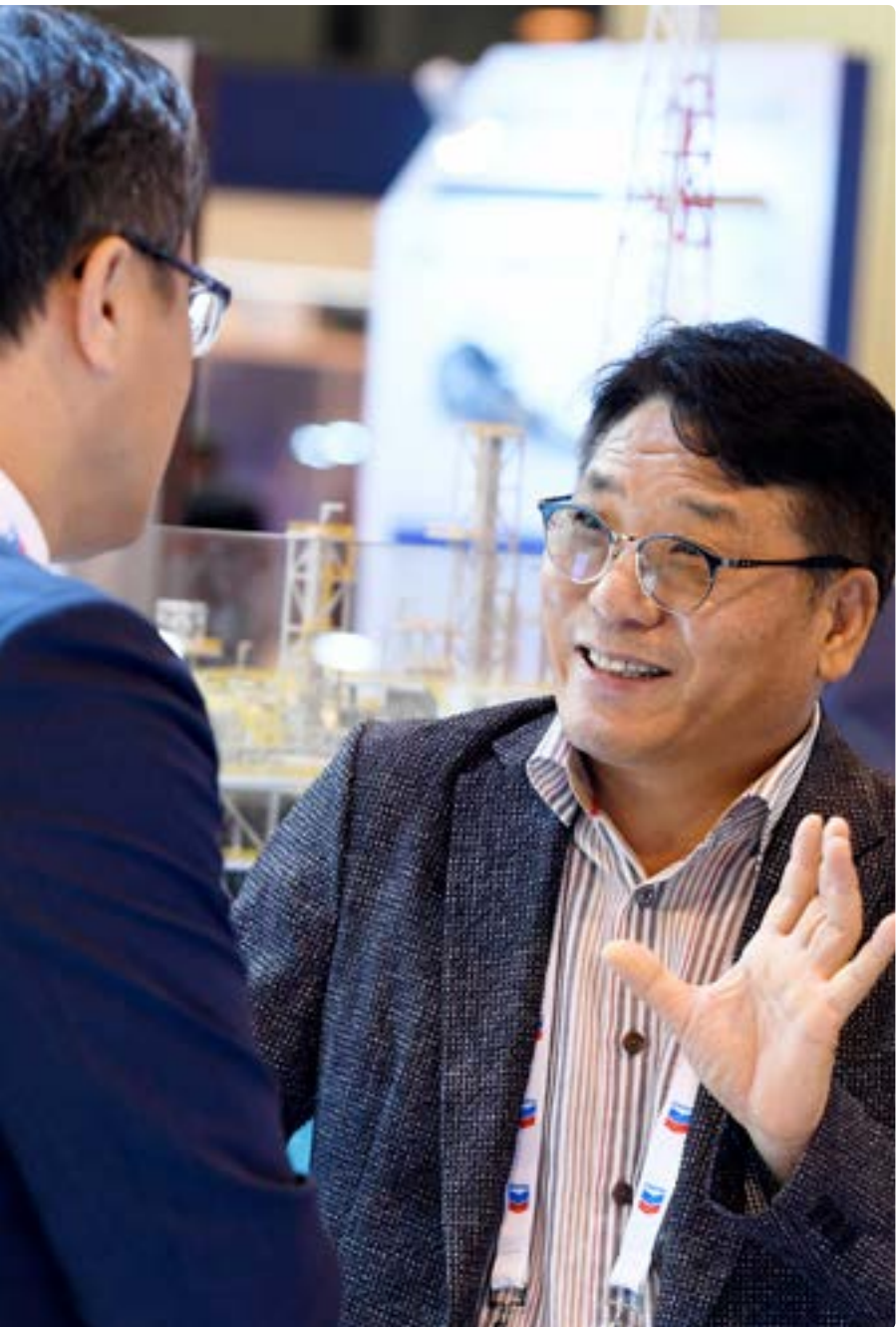
Purchasing power of Gastech attendees



Up to US\$50M



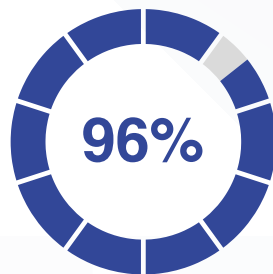
US\$50M and above



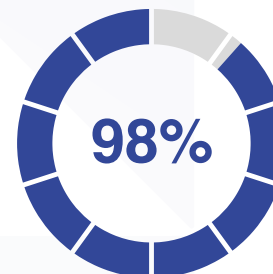
# Attendee Feedback

## Visitor Feedback

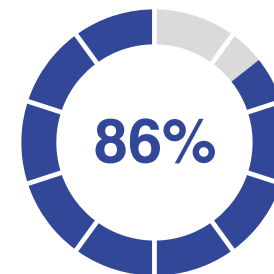
Independently researched feedback showed visitor satisfaction to be exceptionally strong with the vast majority of attendees planning to come to Gastech again, demonstrating the truly global pull of the event.



Of visitors were satisfied with the range of exhibitors



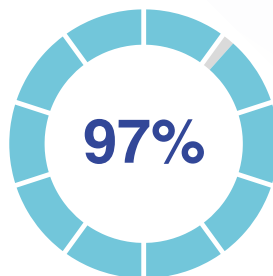
Of visitors viewed Gastech as an important event to attend



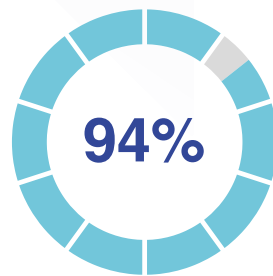
Of visitors are planning to attend Gastech 2020

## Delegate Feedback

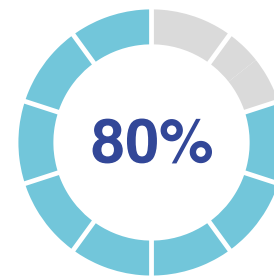
It is very important that we address the current trends and issues facing the natural gas and LNG industry so that Gastech remains informative, educative and relevant. A sample of conference delegates were surveyed by an independent research company to gauge how well this was achieved and here are some of the top-line findings:



Of delegates were satisfied with the programme and content of the Conferences



Of delegates viewed Gastech as an important conference to attend



Of delegates are planning to attend Gastech 2020



## Global Meetings Programme

The global meetings programme provided a unique service for the Gastech exhibitors, delegates and visitors to arrange pre-planned meetings with each other to discuss opportunities and conduct business transactions

# 11,538

Engaged with the service

# 3,618

Meeting requests



## User breakdown

# 8,488

Gastech Visitors

# 963

Gastech Strategic Delegates

# 222

Gastech Technical Delegates

# 1,249

Gastech Exhibitors

# 268

Gastech Speakers

# 205

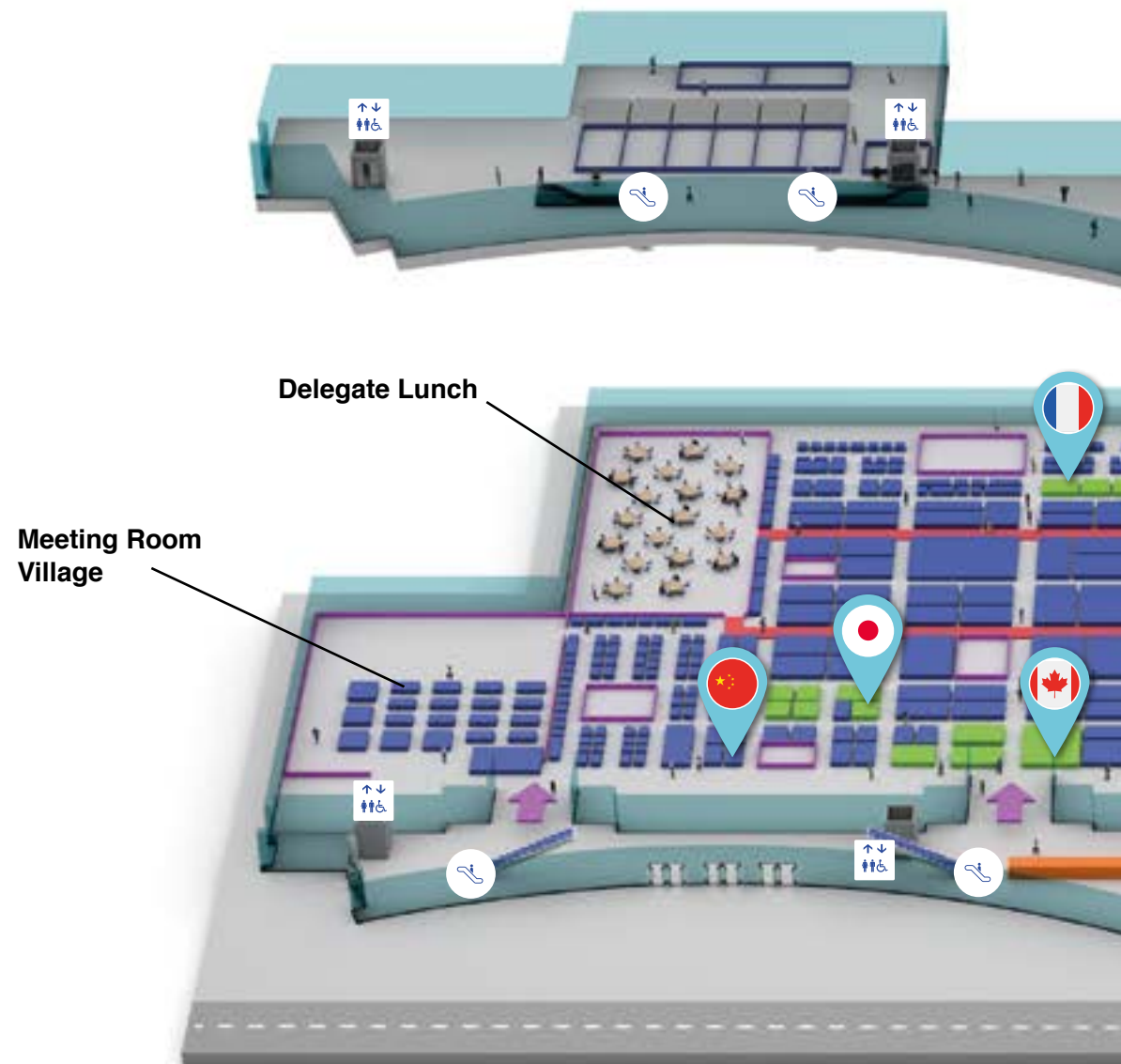
Gastech VIPs

# Gastech 2019 Venue

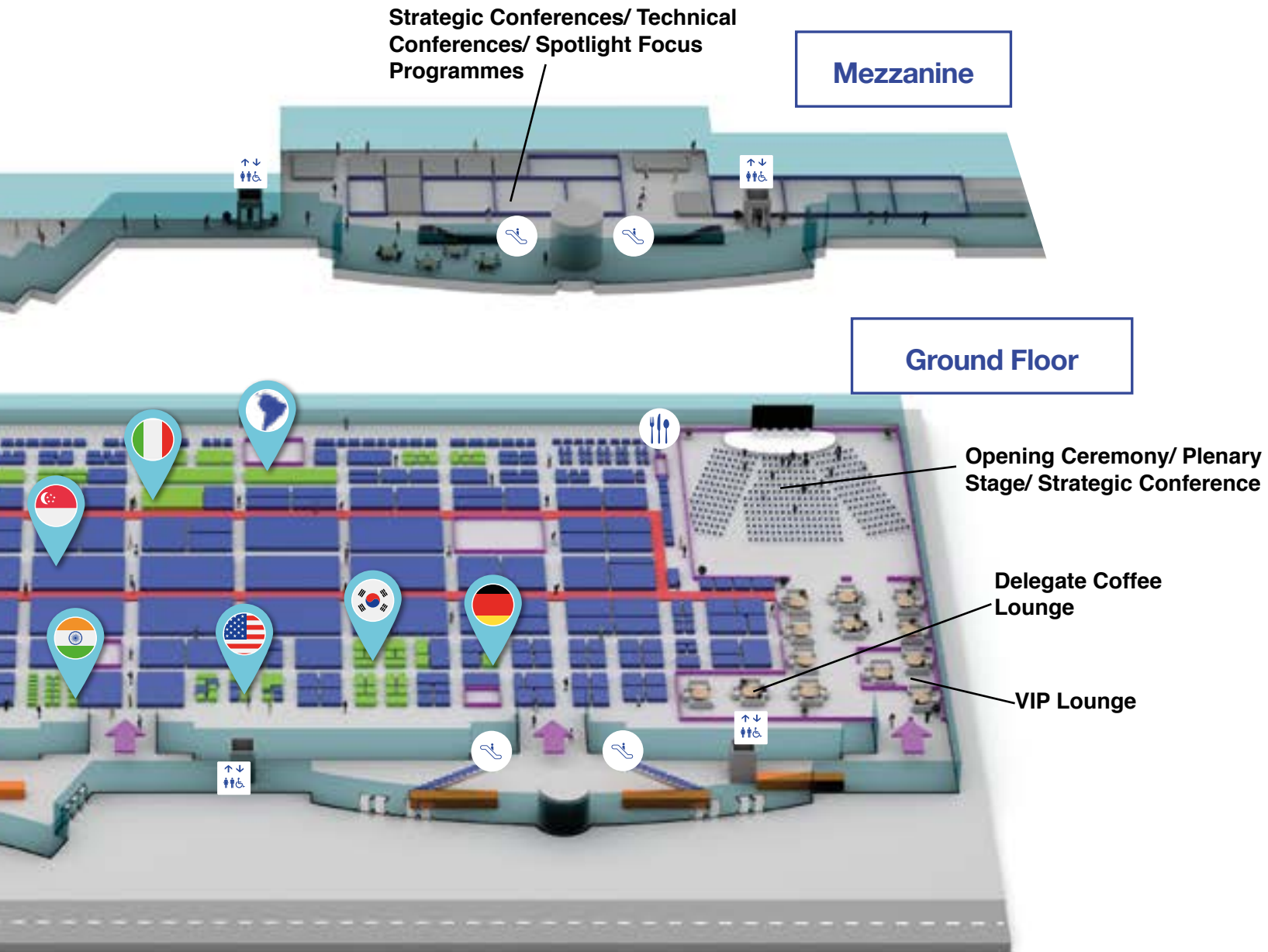


I attend Gastech because the world of gas is huge, from exploration all the way to the burner tip. It straddles the globe and every year we add hundreds of new participants so we need a meeting place where the entire industry both commercial and technical as well as the regulatory folks involved can get together and have honest debates, talk about our challenges, our image problem and our opportunities and technologies that can help us keep costs down and lower our emissions.

**De La Rey Venter**  
Executive Vice President, Integrated  
Gas Ventures, **Shell**







## Key



FRANCE



ITALY



LATIN AMERICA



SINGAPORE



CHINA



JAPAN



CANADA



CANADA



USA



SOUTH KOREA



GERMANY

# Conference Overview

The Gastech Conference took place in Houston, between 17-19 September 2019. The sheer size of the conference (over 2,500 attendees) is a testament to how significant natural gas has become in the global energy equation and how important Gastech is as a meeting place to air these discussions and to conduct business.

**1,200**

Ministers, Presidents, Government Officials, Chairmen, CEOs and Managing Directors

**20**

Ministerial, Global Business Leaders' Panels and Keynotes at the Plenary Conference

**80**

Strategic Conference Presentations

**100**

Technical Conference Presentations





**Key recurring themes from this year's conference focused on the buoyancy of the global gas market, the continued growth in demand across Asia, and in the relevance of natural gas and LNG as positive energy solutions that help countries achieve climate change commitments.**

**Strong Global Demand:** “Gas is the fuel of the future,” said **H.E. Nadeem Babar**, Special Assistant to the Prime Minister (SAPM) on Petroleum Division, Islamic Republic of Pakistan. Babar is right, but natural gas is also the fuel of today. The International Energy Agency (IEA) observed that natural gas accounted for 45% of the rise in global energy consumption last year, on its way to emerging as what the IEA deemed the “fuel of choice.”

**Market Dominated by Asia, Especially India and China:** Gastech was an opportunity to see just how hungry India is for affordable and reliable energy. India currently plans to build 11 new LNG import terminals over just the next 7 years. According to the International Energy Agency, the Asia Pacific region is forecast to account for approximately 60% of total natural gas consumption growth between now and 2024.

**Natural Gas is a Climate Solution:** **H.E. Ashish Chatterjee**, Joint Secretary, Ministry of Petroleum & Natural Gas, Republic of India, told the Gastech attendees that his country is “focusing on promoting natural gas” due to “concerns of carbon emissions.”

**Address Methane:** While Gastech discussions were nearly unanimous in identifying the climate benefits of natural gas, there is still more work to be done. Industry leaders throughout the multi-day program stressed that reducing methane emissions must be a priority.

**An Opportunity for the U.S.:** Over the next few years, the United States will become the world's third largest exporter of LNG, behind only Qatar and Australia. Last month, the United States had already captured 10% of the global LNG market. Since at least 2012, the United States has been the world's largest natural gas producer and recently became a net natural gas exporter.



**Alasdair Cathcart**, President, Oil, Gas & Chemicals, Bechtel, speaking during the Global Business Leader's Panel discussing Transformation through Technologies



**It's very important to have a dialogue with our allies from around the world. Participating in a panel with a range of energy ministers from around the globe to gain their insights, sharing best practices, developing relationships and sharing expertise is so critical to making the regulatory process work.**

**Neil Chatterjee**

Chairman, Federal Energy Regulatory Commission



# Gastech 2019

## Opening Ceremony

The 31st edition of Gastech opened in style with a grand welcome from the City of Houston and key state and federal representatives of the United States government. Major television news anchors hosted some of the most influential leaders in global energy during panels that discussed pertinent issues facing the energy industry today.

There were also outstanding speeches from thought-leaders outside of the energy industry, plus invigorating examinations of what the future might hold for our industry as we adapt to a new reality of interconnectivity, efficiency and corporate social responsibility.



**Dr Michio Kaku**, the world renowned American theoretical physicist, delivered a keynote address on the future of energy.



Concluding the morning's ceremony, Cheniere's CEO, **Jack Fusco**, delivered a keynote address that discussed the growing importance of US LNG in helping meet growing global energy demand.



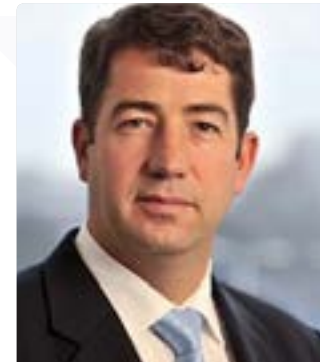


## Host Panel

CNBC Anchor, **Brian Sullivan**, led a panel featuring senior leadership from the 2019 Gastech hosts **ExxonMobil**, **Shell**, **Tellurian** and **Venture Global LNG**.



**PETER CLARKE**  
Head of Global LNG,  
Senior Vice President  
ExxonMobil Upstream  
Oil & Gas Company



**DE LA REY VENTER**  
Executive Vice President,  
Integrated Gas Ventures  
Shell



**MEG GENTLE**  
President & CEO  
Tellurian



**MIKE SABEL**  
Co-Chairman, Co-CEO & Founder  
Venture Global LNG



**MODERATOR: BRIAN SULLIVAN**  
Anchor  
CNBC



Gastech is a fantastic meeting platform  
as it's one of the places that the globe  
gets together

**De La Rey Venter**  
Executive Vice President, Integrated Gas Ventures, **Shell**



# Gastech 2019 Plenary Stage

## Onstage Interviews



**Charif Souki**, Chairman of Tellurian told CNN's Fareed Zakaria of the urgent need to invest \$300bn into US infrastructure to help push shale gas to markets.

"The necessity to do it is absolutely there. If not, you either flare it or you do not produce the oil that comes with it."



**Francis Fannon**, Assistant Secretary for Fossil Energy at the US State Department discussed the increasing profile of energy in leveraging international diplomacy:

"We work with foreign countries to understand their energy ambition, which direction is the energy demand going if they want gas as a foundation. It's not a switch that can be flipped. It requires regulatory structure, so we bring experts and take them around the world to help countries develop a regulatory framework to create the right conditions towards gas."



**David Foley**, CEO of Blackstone Energy was interviewed by the FT's Gregory Meyer on the finance challenges of future US export projects.

"In terms of liquefaction capacity that gets FID from the U.S., the hit rate will be a lot higher on projects either sponsored by major oil companies or expansions of existing facilities."



We have more gas than we know what to do with. We don't have a place to put it. We don't have any legitimate way of increasing domestic demand, so we must export it.

**Charif Souki**  
Chairman, **Tellurian**





## Keynote Addresses



**Jack Fusco**, CEO, Cheniere Energy

“Global LNG competition is getting fierce and buyers will soon have more choices”



NASA's Administrator **Jim Bridenstine**, spoke on the key role natural gas will play in landing the next man and the first woman on the moon by 2024.

“The future of rocketry is methane.”



**Lorenzo Simonelli**, Chairman, President & CEO, Baker Hughes issued a rallying cry to the industry to be at the forefront of change and embrace the power of disruptors.

“This is a unique window in history and the gas industry must act quickly to maximise the opportunity as well as partner and support the next generation of energy.”

# Gastech 2019 Plenary Stage

## Two Ministerial Panels

National energy officials spoke of the need for natural gas importing and LNG exporting countries to modernise their energy regulatory structures to accommodate an emerging global market for natural gas.



**MODERATOR: BILL LOVELESS**  
Host, Columbia Energy Exchange &  
Director, Energy Journalism Initiative,  
Center on Global Energy Policy,  
Columbia University



**H.E. NADEEM BABAR**  
Special Assistant to the Prime  
Minister (SAPM) on Petroleum  
Division, Islamic Republic of Pakistan



**H.E. ASHISH CHATTERJEE**  
Joint Secretary, Ministry of Petroleum  
& Natural Gas, Republic of India



**CHAIRMAN NEIL CHATTERJEE**  
Commissioner  
Federal Energy  
Regulatory Commission



**H.E. FATMA ZOHRA CHERFI**  
Deputy Minister of Energy, People's  
Democratic Republic of Algeria



**H.E. STEVEN WINBERG**  
Assistant Secretary for Fossil Energy,  
Department of Energy, United States of  
America







**H.E. ALBERTO REYES**  
Vice Minister of Hydrocarbons, Dominican Republic



**H.E. CARLOS PÉREZ**  
Minister of Energy and Non-Renewable Natural Resources, Republic of Ecuador



**HON. BILL JOHNSTON**  
Minister for Mines and Petroleum and Energy, Government of Western Australia



**HON. DAVID JAMES**  
Associate Deputy Minister for Natural Gas, Government of Alberta



**MODERATOR: GREGORY MEYER**  
Natural Resources Correspondent, Financial Times

# Gastech 2019 Plenary Stage

## Eight Global Business Leaders' Panels



"The industry systematically underestimates demand...Year-to-date we've increased the market size by 14pc,"

**Meg Gentle**, CEO, Tellurian



"Value means different things for different customers. Some are looking for diversification of geography, indexation, shipping distance, political risk, credit risk, seasonal flexibility and, of course, term."

"Substituting coal with natural gas on industrial scale for power generation can significantly reduce CO2 emissions and improve air quality."

**Mike Sabel**, Co-Chairman, Co-CEO & Founder, Venture Global LNG.



**BP is relentlessly working to meet the dual challenge of providing more energy with fewer emissions.**

**Susan Dio**  
President, **BP America**



## Expert Moderators



**FAREED ZAKARIA**  
Host  
**CNN**



**BILL LOVELESS**  
**SIPA**



**JONATHAN ELKIND**  
Senior Research  
Scholar  
**Colombia, SIPA**



**KEN MEDLOCK**  
Senior Director  
**Baker Institute**



**SIMON FLOWERS**  
Chairman – Energy  
**Wood Mackenzie**



**GREGORY MEYERS**  
Natural Resources  
Correspondent  
**Financial Times**



**BRIAN SULLIVAN**  
Anchor  
**CNBC**



**RACHEL HEARD-ADAMS**  
Reporter  
**Bloomberg**



**ALEX STUCKEY**  
NASA & Science  
Reporter  
**Houston Chronicle**



**SERGIO CHAPA**  
Energy Reporter  
**Houston Chronicle**



**JOSHUA MANN**  
Reporter – Energy  
**Houston Business Journal**

## Announcements from Gastech

- Vitol & ENH form LNG trading joint venture ENH Energy Trading
- Magnolia signs 2 mtpa agreement with Vietnam
- Cheniere secures long term gas supplies from EOG Resources
- Enbridge acquires stake in Annova LNG
- Blackstone confirms that it is open to offers on 41% stake in Cheniere
- Shell and Magma Global agreed to develop and qualify a flexible Single Polymer Composite pipe
- Woodside Energy Trading Singapore Pte Ltd and Uniper Global Commodities signed a head of agreement for the supply of LNG from Woodside's portfolio for a period of 13 years commencing in 2021



# Gastech 2019 Strategic Conference

The Gastech Strategic Conference featured 16 sessions of presentations carefully selected by the Gastech Governing Body. Over 400 strategically focussed abstracts were submitted for consideration by the Governing Body of which 64 were selected to feature as presentations in the globally renowned Gastech Strategic Conference.

Themes covered diverse areas including North Asian demand, hydrogen, LNG trade dynamics, digitalisation of the energy industry and contracts among many others.



When you combine engineering solution methodology and fuel it with proper financing that observes the risk/reward ratio one generates projects that create true value. Therefore, technical and commercial-strategic groups should synchronize efforts to achieve superior projects giving merit to both viewpoints; technical and investment.

**John Hatley**  
Americas VP Marine Solutions & Director  
Market Shaping, **Wartsila**





## Speakers Included



**PETER HENDERSON**  
Process Technical Authority  
SNC-Lavalin



**XIANFANG REN**  
China Gas Strategy Lead  
Royal Dutch Shell



**SEAN LALANI**  
President  
Eagle LNG Partners



**WASSIM GHADBANI**  
Global Director, Innovation &  
Intelligence Resources  
SNC-Lavalin



**ZHU CHEN**  
Managing Director  
SIA Energy



**KENTA MATSUZAKA**  
Managing Executive Officer  
Mitsui O.S.K. Lines, Ltd



**FIJI GEORGE**  
Director, Climate &  
Sustainability  
Cheniere Energy Inc.



**SARAH BAIRSTOW**  
Chief Commercial Officer  
Mexico Pacific Limited (MPL)

“We see further opportunities for Asian players looking for foreign investment, not only in upstream but also for major midstream infrastructure, such as gas processing plants, pipelines, petrochemicals and LNG export plants.”

**Mauro Chavez Rodriguez**  
Principal Analyst, Wood Mackenzie



# Gastech 2019 Technical Conference

The Gastech Technical Conference continued in its long-established tradition of excellence. Over 600 abstracts were considered and reviewed by the Gastech Governing Body who selected 90 papers to form the final Technical Conference. Exploring the full natural gas and LNG value chain from recovery to power generation, sessions covered areas including the development of hydrogen and green gases, automation, digitalisation and AI in energy, shale resource development, emissions management and flaring reduction as well as power generation, pipelines and transmission and LNG design and operations.



Gastech is and will continue to be one of the most important events to connect the dots between users, technology providers and future entrepreneurs that will take the energy industry forward. Gastech for me personally is a great opportunity to not only network with colleagues, but also to think about what we need to do to succeed over the next two to three years.

**Rami Qasem**  
President and CEO, Measurement & Controls, **Baker Hughes**







## Speakers Included



**ISOBEL MOGSTAD**  
Manager  
Environmental Defense Fund



**YUKICHI TAKAOKA**  
Senior Staff Officer,  
Technology Development  
Department, HySTRA  
(CO<sub>2</sub>-Free Hydrogen Supply  
Chain Technology Research  
Association)



**JARED CIFERNO**  
Technology Manager,  
Oil & Gas  
US Department  
of Energy NETL



**AKIRA YABUMOTO**  
Director of Energy Resources  
& Strategy  
J-Power



**TAEKYONG SONG**  
Senior Research Engineer  
KOGAS



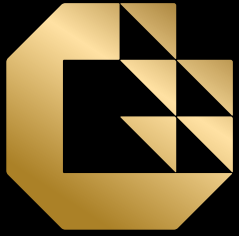
**IAN ROSS**  
CEO  
Golar Management Ltd



**LINDA STALKER**  
Science Director National  
Geosequestration Laboratory,  
Group Leader Exploration  
Geoscience, Acting-CEO  
CSIRO



**RAVINDU ATAPATTU**  
R&D Product Manager  
Keppel Gas Technology  
Development



# Gastech VIP Programme

The Exclusive Gastech Experience  
for Energy Leaders

Elite Networking, Expert Insights &  
Strategic Partnerships

## Incorporating:

- The Gastech VIP Global Leaders' Summit
- The Gastech VIP Champagne Reception & Gala Dinner
- The Gastech VIP Breakfast Briefings

Sponsored by



The Gastech VIP Programme began with the Global Gas Leaders' Summit which took place on Monday 16 September at Houston's prestigious Post Oak Hotel. Leaders from the global energy sector gathered in a closed-door environment to discuss the industry's most pressing challenges.

## Regulators and government officials joined from Washington DC as part of the Legislators' Panel



**BERNARD MCNAMEE**  
Commissioner,  
Federal Energy  
Regulatory  
Commission



**MARC VEASEY**  
Representative  
for Texas's 33rd  
Congressional  
District



**ADAM KINZINGER**  
Representative  
for Illinois's 16th  
Congressional  
District



**BILL FLORES**  
Representative  
for Texas's 17th  
Congressional  
District



**MICHAEL MCCAUL**  
Representative  
for Texas's 10th  
Congressional  
District



**PETE OLSON**  
Representative  
for Texas's 22nd  
Congressional  
District



**MODERATOR:  
JASON BENNETT**  
Department Chair  
- Global Projects  
& Partner, Baker  
Botts LLP



**Jason Bordoff**, Professor of Professional Practice in International and Public Affairs, School of International & Public Affairs, Columbia University gave a special address on the theme of 'Navigating Geopolitics at the Edge: How Will the Industry Pivot to Embrace New Markets, New Supply Sources and New Competition?'

## Speakers Included



**RACHID  
HACHICHI**  
CEO  
Sonatrach



**KEITH MARTIN**  
Chief Commercial  
Officer  
Uniper



**PETER COLEMAN**  
CEO & Managing  
Director  
Woodside



**MARK LOQUAN**  
President  
The National  
Gas Company of  
Trinidad & Tobago



**BRENDAN  
BECHTEL**  
Chairman & CEO  
Bechtel



**MARTIN  
HOUSTON**  
Vice Chairman  
Tellurian



**REINHARD  
ONTYD**  
Chief Commercial  
Officer  
Nord Stream 2



**TONY ATTAH**  
Managing Director  
& Chief Executive  
Nigeria LNG



**DR. SYMEON  
KASSIANIDES**  
Chairman  
Natural Gas  
Public Company,  
Cyprus



**SEFERINO  
YESQUÉN**  
Chairman of  
the Board  
PeruPetro





# VIP Breakfast Briefings

As part of the programme, VIP delegates were invited to participate in the exclusive VIP Breakfast Briefings which featured coverage of key markets from senior market protagonists.



## Canada VIP Breakfast Briefing

The Canada VIP Breakfast Briefing focused on the burgeoning LNG industry in the country. Speakers discussed how Canadian projects are differentiating themselves from their counterparts in other jurisdictions, with particular attention paid to the onus that proponents, governments and First Nations are placing on reducing emissions in the LNG production process.

## Nigeria VIP Breakfast Briefing

Day 3 of Gastech saw the Nigeria VIP Breakfast Briefing highlight opportunities for investment, expansion of existing facilities and opportunities to widen energy access in Nigeria. Discussions examined the ongoing efforts to reduce flaring and improve sustainability along with highlighting strategies for electrifying underserved communities.



## Power & Energy

The Power & Energy programme focussed on the critical role of natural gas in power generation both in terms of as a companion to renewables but also examining the potential of renewable, green gases in the sector. Speakers from a diverse range of companies shared their perspectives on opportunities within the sector to decarbonise.

Sponsored by



Despite the rise of renewables and their impact on demand and seasonality, hydrology will still drive LNG imports.”

**Mauro Chavez Rodriguez**  
Principal Analyst, Wood Mackenzie



## Speakers Included



**OCTÁVIO M. C. SIMÕES**  
Senior Advisor to the  
CEO  
Tellurian



**GREGOR PETT**  
EVP Market Analytics  
+ Market Solutions  
Uniper



**LORI TRAWEEK**  
Chief Operating Officer  
American Gas  
Association



**DUSTIN MEYER**  
Policy Advisor, Global  
Gas & LNG  
American  
Petroleum Institute



**DAN BARRIENTOS**  
Principal  
AT Kearney



**GIUSEPPE SACHERIO**  
Vice President Business  
Development & Sales  
LNG  
Siemens



**MARIA RITA GALLI**  
SVP Business  
Development  
SNAM



**YURI FREEDMAN**  
Senior Director  
Business Development  
SoCalGas  
(Sempra Energy)



**JUAN CARBAYO**  
Risk & New Business  
Director, Gas  
Commercialization  
CEPSA



## Diversity & Inclusion in Energy

This year's Diversity and Inclusion programme saw panel discussions take place on the exhibition show floor in the Global Talent Exchange Theatre. Embodying the theme of the programme, talks were open to both delegates and visitors providing access to individuals not often funded to attend conferences. The theme was further put into action with more female speakers than ever before joining panels across the entire Gastech conference.

With talks spanning the duration of the conference, discussions between speakers from companies including BP, Baker Hughes, Chevron, ExxonMobil and Woodside Energy, highlighted the important role of diverse workforces throughout the energy industry.

Strategic partner

Sponsored by



From themes such the business impact of diversity and inclusion to tackling unconscious bias to retaining the bright and diverse talent already recruited to many energy workforces, the programme provided a platform that played a constant reminder of the need for employees from all areas of society in order to tackle the challenges that the energy industry faces.



**What is very important is that I have been seeing a lot more women at Gastech. We need more women in the gas business.**

**Astrid Álvarez**  
CEO, Grupo Energía Bogotá







Discussions on the plenary stage turned to explore the methods the industry needs to engage in order to attract the talent needed to secure a bright future for the energy sector, with companies from CPS Energy to Tellurian, stating how important is to look at this issue for the future of their businesses.



The programme was complimented by Gastech's Diversity & Inclusion partner, ExxonMobil's first ever PowerPlay Drinks & Awards. The awards were created to recognise remarkable women and men across the LNG industry and received nearly 40,000 votes across all award categories.

Winner of the Rising Star Award – Jocelyn Machevo, Eni – took to the main stage during the final day of Gastech to be interviewed by ExxonMobil's Sarah Howell.

The session also featured a presentation from the Young Gastech Trailblazer winner – Christopher Johnson, Stolt Tankers BV - with the presence of both winners bringing to light both the need for diverse workforces, as well as the importance of nurturing bright young talent entering the industry.

## Speakers Included



**ASTRID ÁLVAREZ**  
CEO  
Grupo Energía  
Bogotá



**HUGH CONNETT**  
Vice President, Gas  
Supply and Trading  
Chevron



**HEATHER  
CYKOSKI**  
Group Vice President  
ABB



**RAY DEMPSEY**  
Chief Diversity Officer  
BP



**JULIE RAE**  
International Human  
Resources Manager  
ExxonMobil



**SARA HASSETT**  
Global Communications  
Director TPS  
Baker Hughes



**MARTHA FEEDBACK**  
Senior Director, Corporate  
Engagement  
Catalyst Inc.



**PAULA GLOVER**  
President and CEO  
American  
Association of  
Blacks in Energy



**LELAND  
JOURDAN**  
Chief Diversity Officer  
Chevron



**JOSEPH GEBARA**  
CEO  
C.A.T. Group



**KATIE MEHNERT**  
CEO  
Pink Petro



**DELORES LENZY-  
JONES**  
Chief Financial Officer &  
Treasurer  
CPS Energy



**MEG O'NEILL**  
Chief Operating Officer  
Woodside



**ANITA ODEDRA**  
Chief Commercial  
Officer  
Tellurian



**FRED WHIPPLE**  
VP HR Employee  
Relations/DI  
Shell



# Young Gastech

Gastech is proud to support the development of new talent for the industry and advocate the natural gas sector by showcasing the exceptional range of career pathways on offer in the industry.

The Young Gastech Programme welcomed the best and brightest applicants from all backgrounds to provide a gateway to making valuable connections in the energy industry, fast-tracking understanding and knowledge of the natural gas sector and boosting the profile of future leaders in the energy sector. Participation was based on the submission of either a written or video essay and those deemed the best were accepted onto the programme. Alternatively, supporting companies nominated their high potential staff to take part to reward and recognise their best emerging talent in their organisations.

Strategic partner



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I went to university and studied environmental engineering and I got my first job at a refinery. I was hooked pretty quickly. I love the energy field. Honestly, I don't know why everyone doesn't want to work in energy. It involves the environment, national security, geopolitics, it's a complicated mix of economics, new technology as well as involving the GDP of a country. I find it fascinating, complex and everyone should love it.

**Carol Battershell**

Former Senior Executive  
US Department of Energy



## YOUNG GASTECH 2019 OFFERED:

- A dedicated one-day programme including a keynote address from Meg Gentle, CEO & President, Tellurian.
- A dedicated networking skills workshop hosted by ExxonMobil LNG
- Virtual and Augmented Reality Walk the Plank Activity.
- A full pass to the Gastech Conference
- Exclusive access to the ExxonMobil LNG PowerPlay Awards Reception
- The Gastech Trailblazer wins the opportunity to present on the plenary stage with dedicated coaching provided by ExxonMobil LNG





## YOUNG GASTECH SOCIAL MEDIA



With the support of prominent Houstonian community leader, Pastor James Dixon, Gastech was delighted to welcome 170 Houstonian high school students to visit the exhibition and find out about career opportunities in the energy industry.





# Asia LNG Market Development Forum

The Asia LNG Market Development Forum brought together stakeholders involved in the development of the Asian LNG market with the aim of increasing market fluidity and transparency. Representatives from the Indonesian Ministry of Finance, Tokyo Gas, GAIL India, PT Pertamina, H-Energy, Petronet LNG and Hanas LNG joined exporters Woodside, Petronas LNG, Eni, NextDecade, Commonwealth LNG and more to discuss opportunities to support the proliferation of infrastructure through cooperation and develop a commoditised LNG market for the Asia region.

Sponsored by



We see Asia as a target market and a growth market. The growth in the amount of cargoes we have bought and sold has been prolific—it has quadrupled in just the last couple of years.

**Keith Martin**  
Chief Commercial Officer,  
Uniper



## Speakers Included



**GEORGE GILBOY**  
Chief Representative  
Japan  
Woodside



**RAHAYU PUSPASARI**  
President Director,  
Government Asset  
Management of Indonesia  
Ministry of Finance



**RAJEEV MATHUR**  
Executive  
Director-Marketing  
GAIL India



**TANUDJI DARMASAKTI**  
Senior Vice  
President-LNG and  
Gas Management  
PT Pertamina



**TOMOKI MUTO**  
Managing Director,  
Global Head of  
Structured Finance,  
Solution Products  
Division  
MUFG



**KEITA ENJOJI**  
Head of LNG Asia  
Tokyo Gas Asia  
Pte. Ltd



**VINOD KUMAR MISHRA**  
Director (Finance)  
Petronet LNG



**SYAHRIL MUKHTAR**  
Director for Strategy and  
Business Development  
PNG



**JAMES MACTAGGART**  
Senior Vice President,  
LNG Marketing – Asia  
and Middle East  
NextDecade LNG



# Gas for Transportation Forum

The Gas for Transportation Forum was a new addition to Gastech's conference agenda, created to reflect the urgent need for global shipping to begin decarbonising and to become emissions-compliant in view of the IMO's 2020 sulphur cap. A unique mix of ship owners, charterers, brokers, cargo customers and maritime experts helped deliver some excellent panels, papers and discussion generation.



**If the train runs in the direction of LNG with respect to propulsion of ships and the domestic appliance of LNG in developing countries as well as being supported by the public and legislation, then we will see a golden age of LNG.**

**Felix Leggewie**

Chief Operating Officer, **Schulte Group**



## Speakers Included



**TOM STRANG**  
Senior Vice President  
Maritime Affairs  
**Carnival Maritime**



**PATRICK JANSSENS**  
Vice President of  
Global Gas  
**American Bureau  
of Shipping**



**FELIX LEGGEWIE**  
Chief Operating  
Officer  
**Schulte Group**



**LT. CDR. DALLAS  
SMITH**  
Detachment Chief,  
Liquefied Gas Carrier  
National Center of  
Expertise  
**United States Coast  
Guard**



**MARTIN PEREZ**  
Senior Vice President of  
Investment Strategy  
**General Electric -  
Energy Financial  
Services**



**VIC LAROSA**  
President & Chief  
Executive Officer  
**Total  
Transportation  
Services Inc.**



**JUAN CARBAYO**  
General Manager  
**CEPSA Gas  
Commercialisation**



**DEBBIE TURNER**  
Senior Broker LNG  
**Howe Robinson  
Partners**



**JOHN HATLEY**  
Vice President  
Americas, Director of  
Market Shaping  
**Wärtsilä Marine  
Solutions**



# Gastech 2019 Networking Functions

## Gastech 2019 Welcome Party

ExxonMobil, Shell, Tellurian and Venture Global LNG as hosts of Gastech, alongside the Official Welcome Party sponsor Norton Rose Fulbright, welcomed over 550 Gastech exhibitors, speakers and delegates to the Welcome Party to celebrate the start of Gastech 2019 in Houston.



## Gastech 2020 Launch Party

To celebrate Gastech's return to Singapore in September 2020 over 500 Gastech attendees were entertained at The Astorian in downtown Houston. The Gastech 2020 Launch Party was made possible with the support of the Singapore Tourism Board.





## Gastech Speakers Dinner

Gastech speakers from across all of the conference sessions gathered at the stunning Hall of Paleontology, Houston Museum Of Natural Science for the Gastech Speakers' Reception.



## Exhibitor Networking Reception

On Wednesday evening Gastech exhibitors held informal networking receptions at their stands on the exhibition show floor.



# Gastech 2019 Marketing Statistics

## Media Coverage & Reach

**173**

Press attended gastech

**216**

Media mentions

**33**

Attending countries

**96**

Media partners

**4.5M**

Combined online and offline circulation

## Website Traffic

**1,713,226**

Page views

**373,073**

Sessions

**235,178**

New users

**40%**

Organic users

**204**

Country locations of web users

## Emails

**1,680,176**

Visitor emails sent

**2,126,208**

Delegate emails sent

**1,896,267**

Exhibitor emails sent

**6.01%**

Average click rate

**600K**

Contact database

## Direct Mail

**166,000**

Visitor tickets mailed

**100,000**

Conference programme brochures mailed

**10,133**

Event brochures mailed

**100,000**

Call for papers brochures mailed

**53,000**

Inserts into magazines

## Social Media

**2,357,226**  
Impressions

**26,372**  
Engagement

**840,900**  
Reach

**4,379**  
Posts

**100**  
Whatsapp Broadcast Messages

**15,000**  
Organic Social Media Followers

## App Usage

**3,068**  
Users

**22,843**  
Exhibitor profile views

**7,897**  
Exhibitor bookmarks

**77,442**  
Conference programme views

**11,975**  
Speaker profile views

**161,190**  
Shell Advertisement Impressions

## Global & Local Media Coverage



**Bloomberg**



**The New York Times**





## Energy Industry Press & Associations

 **Gastech Insights**  
Reach: 49,000

 **HYDROCARBON PROCESSING**  
Reach: 153,036

 **upstream**  
Reach: 39,000

 **ILTA**  
Reach: 10,000

 **USEA**  
Reach: 3500

 **LNG Journal**  
The World's Leading LNG publication  
Reach: 4,700

 **CSO**  
Chemical Society of Oil  
Reach: 25,000

 **Offshore Energy**  
Reach: 2,000

 **OE OFFSHORE ENGINEER**  
Reach: 36,240

 **Offshore**  
Reach: 112,000

 **energycentral**  
POWER INDUSTRY NETWORK  
Reach: 200,000

 **Pipeline**  
Reach: 100,000

 **World Oil**  
Reach: 47,000

 **EnergyNow.com**  
Breaking News, Data & Events  
Reach: 360,000

 **LACOE**  
LOUISIANA ASSOCIATION OF CHEMISTS  
FOCUS ON ENERGY  
Reach: 10,000

 **U.S. - RUSSIA ENERGY COUNCIL**  
Reach: 12,000

 **NATURAL GAS WORLD**  
Reach: 5,000

 **GREATER HOUSTON PARTNERSHIP**  
Leading Economic Center  
Reach: 1,000

 **MOTORSHIP**  
Reach: 22,721

 **卓創资讯**  
卓創资讯 ZHUOCHUO.COM  
Reach: 30,000

 **OFFSHORE**  
Reach: 180,000

 **ENERGY GAS**  
Highlighting Energy  
Reach: 175,000

 **Hibiscus Magazine**  
Reach: 150,000

 **LNG INDUSTRY**  
Reach: 25,000

 **PESA**  
PACIFIC ENERGY SERVICES ASSOCIATION  
Reach: 15,000

 **LED**  
LOUISIANA ECONOMIC DEVELOPMENT  
FOCUS ON ENERGY  
Reach: 10,000

 **watergas.it**  
Reach: 10,000

 **OIL AND GAS JOB SEARCH**  
Reach: 140,000

 **MARITIME SKY**  
Reach: 5,000

 **BUNKERSPOT**  
Reach: 24,000

 **Tank Storage**  
MAGAZINE  
Reach: 8,500

 **MEXICO**  
Reach: 4,400

 **ANSEA**  
Reach: 12,000

 **LNG WORLD SHIPPING**  
Reach: 12,150

 **WORLD PIPELINES**  
Reach: 10,030

 **SEA LNG**  
Reach: 5,000

 **WORLD AFFAIRS COUNCIL OF GREATER HOUSTON**  
Reach: 10,000

 **WORLD AFFAIRS COUNCIL OF GREATER HOUSTON**  
Reach: 18,662

 **PIPELINES INTERNATIONAL**  
Reach: 40,000

 **mudrock media**  
The Energy Group  
Reach: 15,000

 **BUSINESS FOCUS**  
Reach: 290,000

 **THE AMERICAN OIL & GAS REPORTER**  
Reach: 10,000

 **20V**  
Reach: 14,500

 **interfax**  
Reach: 100,000

 **PETROLEUM ECONOMIST**  
Reach: 176,822

 **HYDROCARBON ENGINEERING**  
Reach: 40,408

 **HOUSTON BUSINESS JOURNAL**  
Reach: 57,305

 **Women's Energy Network**  
Reach: 850

 **Pink Petro**  
Reach: 4,000

 **Pink Petro**  
Reach: 11,000

 **NGI**  
NATURAL GAS INTELLIGENCE  
www.ngijournal.com  
Reach: 80,000

 **DEW**  
www.dewjournal.com  
Reach: 10,000

 **Gulf Intelligence**  
Reach: 50,000

 **siliconindia**  
Reach: 96,000

 **Oil & Gas Engineer**  
Reach: 415,000

 **GAS PROCESSING & LNG**  
Reach: 113,018

 **TANKS & TERMINALS**  
Reach: 22,000

 **FT FINANCIAL TIMES**  
Reach: 162,972

 **OIL & GAS REPUBLIC**  
Reach: 50,000

 **Bloomberg NEF**  
Reach: 25,000

 **STORAGE**  
RELIABLE ENERGY  
RESEARCH, ANALYSIS, AND COMMENTARY  
Reach: 110,000

 **OIL & GAS TECHNOLOGY**  
Reach: 10,000

 **Energy & Commerce**  
Reach: 30,000

 **Oil & Gas Technology**  
Reach: 2,000

 **Tradequip**  
International  
www.tradequip.com  
Reach: 44,000

 **MLS**  
MID-LEVEL SERVICES  
Reach: 27,000

 **The Maritime Standard**  
Reach: 15,000

 **GENSCAPE**  
Reach: 50,000

 **CEDIGAZ**  
Reach: 800

 **SIGTTO**  
Reach: 7,000

 **GAS COMPRESSION**  
Reach: 13,000

 **Oil & Gas Technology**  
Reach: 153,000

 **Oil & Gas Technology**  
Reach: 124,408

 **FLUID HANDLING**  
Reach: 14,000

 **HANSA**  
INDUSTRIAL MARKETING PUBLICATION  
Reach: 4,287

 **LDC GAS FORUMS**  
SOUTHWEST, NORTHEAST, MID-CONTINENT, SOUTHEAST & WEST  
Reach: 35,000

 **PLANT & EQUIPMENT**  
Reach: 61,000

 **Pipeline & Gas Journal**  
Reach: 114,244

 **RIGZONE**  
Reach: 3,000,000

 **energy institute**  
Reach: 35,000

 **somf**  
The Society for Oil & Gas Marketing  
Reach: 1,200

 **E&P**  
Reach: 82,219

 **Business Chief**  
Reach: 25,000

 **OILMAN MAGAZINE**  
Reach: 30,000

 **MP MATERIALS PERFORMANCE**  
RESEARCH, ANALYSIS, AND COMMENTARY  
Reach: 38,000

 **World Oil**  
Reach: 43,063

 **dockstr**  
Reach: 21,000

 **seaport**  
Reach: 6,500

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<div>Association Partner</div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>				<div>Platinum Media Partners</div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>				
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# 2019 Exhibitors Included



For the full list of exhibitors visit [www.gastechevent.com/exhibitor-list/](http://www.gastechevent.com/exhibitor-list/)







8-10 September 2020  
Singapore EXPO, Singapore

[www.gastechevent.com](http://www.gastechevent.com)

We look forward to seeing  
you at **Gastech 2020**

Stand and sponsorship enquiries: [sales@gastechevent.com](mailto:sales@gastechevent.com)

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