

**EXHIBITION & CONFERENCE** SINGAPORE EXPO | SINGAPORE | 11-14 SEPTEMBER 2023

# **JASIEC**

# Shaping the Future of Energy

# **Event brochure**

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● Southeast Asia provides an opportune landscape for the energy transition. Even as the region makes the shift to renewable energy options such as solar, wind and geothermal, LNG will continue to form a significant part of the energy mix in the near future. At Pavilion Energy, we seek to balance a need in ensuring energy security while driving energy transition efforts towards a more sustainable future. 99

Alan Heng, Group CEO, Pavilion Energy

### About Gastech

A landmark event in the energy industry's calendar, and the world's largest meeting place for the global natural gas, LNG, hydrogen, low-carbon solutions, and climate technologies industries, Gastech 2023 will take place at Singapore EXPO from 11–14 September.

For over 50 years, Gastech has played a pivotal role in the energy industry, bringing together world energy leaders, thought leaders and innovators for an unparalleled industry experience over a four-day period.

As the global energy landscape is stress tested like never before, facing some of the most challenging disruptions witnessed in decades, Gastech 2023 in Singapore will take place at an important time for the industry, and for the Asian energy market.

Geopolitical events have heightened concerns around energy security and refocused attention on the role of gas in meeting energy demand, presenting the natural gas, LNG, hydrogen, low-carbon solutions and climate technologies industries with a key opportunity to shape the future direction of the 'new different' global energy landscape.

Ahead of COP-28 in the UAE, Gastech will be in a unique position to influence the agenda and possible outcomes and implications for the energy industry.

Natural gas has proven to be a key energy source not only to tackle emissions but to provide a secure supply of energy. However, to support the energy transition, infrastructure will need to be adapted to accommodate the rapid adoption of hydrogen and low-carbon gas solutions.

#### The exhibition

As the largest exhibition of its kind, Gastech 2023 will provide space for over 750 exhibitors to showcase the value that they can bring to the industry. The show floor will offer space to demonstrate the latest innovations in natural gas and LNG, hydrogen, low-carbon gases, and climate technologies. Supported by over 20 country pavilions, the exhibition will have an international appeal offering an integrated, world-class business environment.

#### The conference

The Gastech conference features over 300 Ministers and CEOs, and over 300 technical speakers as well as experts in the field of strategy, regulation, trading and finance. They will lead the debate and convey their unique perspectives on the state of the energy industry, and ambitions for its evolution over the coming decades.

## The heart of the global natural gas, LNG, hydrogen, low-carbon, and climate technologies conversation

Gastech has united the global gas, LNG, and energy industries for over 50 years and continues to do so, placing its emphasis on the future and convening the global community.

# 40,000+



Call for papers presentations

Industry zones on the exhibition floor

100 +

Countries represented

2 | Gastech Exhibition & Conference | gastechevent.com

# 4,000+

Delegates

# 300+

Ministers and CEO's

# 600+ Speakers



Exhibitors

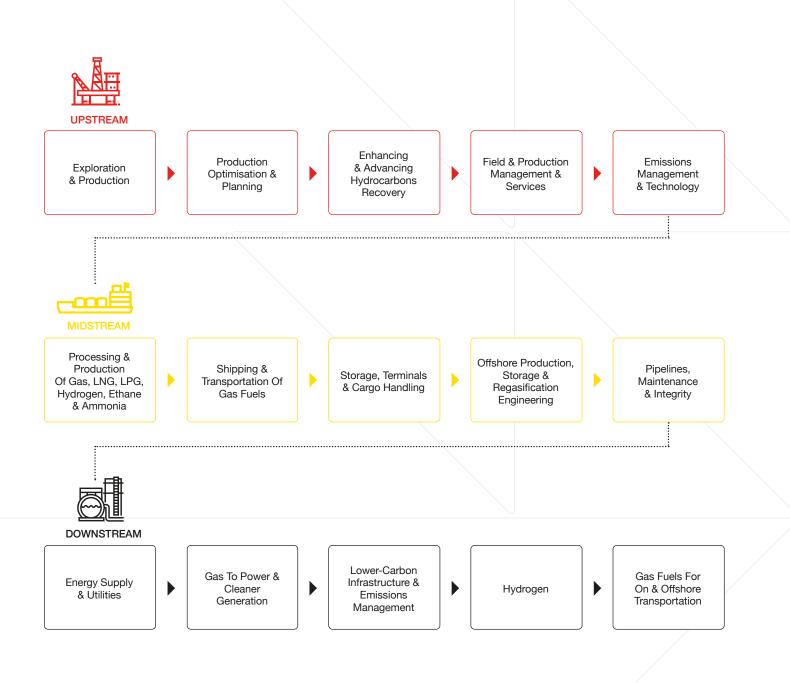


Global Business Leaders' Panels

# Value chain

Gastech supports participants to explore and promote all elements of the energy value chains that are critical to our energy mix. Gastech 2023 will have a strong focus on the value chains that support the LNG and hydrogen businesses, as well as looking at ways that climate technologies can support decarbonisation.

The value chains illustrated below reflect some of the areas of the exhibition and topics that will be addressed during Gastech 2023.



# Who exhibits?

Gastech 2023 will feature over 750 exhibitors from across the energy value chain. These companies range from large international energy companies to smaller companies operating within the supply chain, as well as start-ups breaking new ground in delivering the energy solutions of the future.



# Gastech 2023 floorplan

With over 750 exhibitors, Gastech will show case new global products, solutions and technologies across the natural gas, LNG, hydrogen, low-carbon gases, and climate technologies value chains. A large number of features include specialised zones on the exhibition floor and easy access conference theatres to optimise the delegate experience.





# What's on the show floor

The Gastech exhibition provides the perfect setting for 750+ exhibitors from across the entire value chain to showcase their goods and services. The exhibition has a track record of generating billions in dollars of contracts and provides an exceptional opportunity for participants to explore the latest solutions, services, and technologies that will increase efficiencies, reduce carbon emissions, and enhance business performance.

#### **Exhibition Zones**



#### LNG infrastructure, shipping and marine zone

LNG infrastructure, shipping and marine resources have been stretched by recent high demand for new supply sources and mechanisms for delivery. This zone will showcase available infrastructure opportunities, alongside spotlighting how marine services, logistics and transportation of freight can be achieved in a greener, more sustainable and environmentally responsible way.



#### Climatetech

With the energy transition underway, the climate technologies zone will showcase a wide range of innovations and technologies and engineering applications. Exhibitors will be able to demonstrate solutions for carbon abatement and carbon capture as well as approaches towards measurement, verification and monitoring techniques. This area will also feature low-carbon solutions to help accelerate the speed of the transition.



#### Hydrogen and low-carbon solutions

Overcoming cost barriers will be critical to deploying hydrogen at scale, made more urgent by geo-political instability and the race towards a net-zero energy future. This zone plays host to Gastech's highly successful hydrogen exhibitors and this year expands to embrace other companies working to exploit low-carbon gases such as synthetic methane.



#### Low-carbon transport zone

To reach net-zero emissions targets by 2050, according to the IEA, transport emissions will need to fall 20% by 2030. The low-carbon transport zone is dedicated to showcasing technical efficiencies to reduce carbon intensity; solutions for low-carbon fuels and options to decarbonise aviation, shipping and heavy-duty road transport.



#### EPC and gas processing zone

As demand for LNG grows, EPC and Gas Processing provides a zone dedicated to the engineering procurement and construction industry as well as focusing on gas processing technologies and innovation.

# Maximising ROI on the show floor

#### **Country pavilions**

Exhibiting in one of Gastech's 20 country pavilions provides an easy and cost-effective way for exhibitors to participate. The pavilion creates a focal point for national participation, driving ROI for exhibitors, enhancing bi-lateral trade, and creating opportunities to engage with a global energy audience of over 40,000 visitors.





#### Start-up zone

According to the IEA, the transition to net-zero emissions requires a radical change in both the direction and scale of energy innovation. To deliver such accelerated innovation, a robust start-up ecosystem must be nurtured.

To scale these innovations sufficiently to address the challenges facing the energy system, corporate start-up partnerships are essential. Working in collaboration with such associations and trade agencies, Gastech 2023 will showcase some of the world's most promising energy entrepreneurs.

Gastech 2023 will provide a unique platform to showcase to the world's greatest gathering of energy technologists, the companies developing the next generation of transition solutions.

#### Procurement meeting place

The procurement meeting place will create a focal point for procurement within Gastech. This feature enables procurement experts to efficiently network with and discover new suppliers whilst also supporting the role smaller enterprises play within the natural gas, LNG, hydrogen, and low-carbon and climate technologies value chain.

#### Hosted buyer programme

The Gastech hosted buyer programme acts as a platform to efficiently connect buyers with relevant Gastech exhibitors. This provides a cost-effective and efficient way for procurement professionals to meet existing new suppliers.

A hosted buyer is classed as an individual responsible for purchasing the commodities, services, products, or solutions supplied by Gastech's exhibiting companies. A prospective hosted buyer will be assessed based on their decision-making authority, spending power and relevance to exhibitors participating in Gastech.

The hosted buyer programme will launch in early 2023.





66 Southeast Asia is a hotspot for the energy transition. Whilst there are great opportunities in solar, wind and geothermal in some of the neighbouring countries, there is still a need for gas. As an advocate for LNG and natural gas as fuels of choice, we are driving energy transition efforts towards a more sustainable future for generations to come.99

Arthur Hanna, Board Member, Copenhagen Institute for Future Studies & Visiting Professor of Energy Economics at Loughborough University

# Gastech 2023 in context

# Setting the scene for the Gastech 2023 energy conversation

Gastech 2023 will host some of the most important conversations about the future of the industry. Discussions will link geopolitical events with impacts on the global economy and the likely consequences in both the near- and long-term for the role of natural gas, liquified natural gas (LNG), hydrogen, and low-carbon and climate technologies.

Singapore is playing a growing and important role in global energy markets. As a major energy-trading hub and the world's third largest refining centre, the city state will welcome over 300 ministers and CEOs as well over 4,000 policy makers and business leaders from over 100 countries.

The increase in Asian gas demand is well documented and is the result of economic, political and environmental factors. Gas, LNG, and now hydrogen, will be critical in ensuring energy security and acting as a bridging energy source to a low-carbon energy system in many Asian market.

With market instability spreading across the US and Europe and with inflationary pressures and slowing growth, many eyes will be on China, with analysts looking to see how slower growth, spiralling commodity prices and the ever present threat of a resurgence of COVID-19, will be managed. Nevertheless, Asian LNG demand, led by China is expected to remain high and potentially increase by as much as 25% through 2025. The Gastech 2023 conference will cover these topics as well a broad range of other issues pertinent to the industry.



#### Gastech has a strong history of welcoming Heads of State, Government, and Energy Ministers

#### Many leading international figures have spoken at Gastech, these have included:



George Bush 43rd President of the United States



Former First Lady of the United States



His Majesty King Felipe VI Spain



Jaber Minister of Industry and Advanced Technology, UAE, & Managing Director and Group CEO ADNOC



H.E. Saad Sherida Al-Kaabi CEO Qatar Petroleum and Minister of Energy Qatar



Shri Hardeep Singh Puri Minister of Petroleum and Natural Gas & Housing and Urban Affairs India



His Excellency Tarek El Molla Minister of Petroleum and Mineral Resources Egypt



His Excellency Chief Timipre Sylva Minister of State for Petroleum Resources and Chairman of Governing Council Federal Republic of Nigeria



His Excellency Arifin Tasrif Minister of Energy and Mineral Resources Indonesia



Honourable João Galamba Deputy Minister and Secretary of State for Energy Portuguese Republic



His Excellency Ihsan Abdul Jabbar Ismail Minister of Oil Iraq



Yosuke Takagi State Minister The Ministry of Economy Trade & Industry (METI) Japan



Honourable Soda Zhemu Minister of Energy and Power Development Zimbabwe



Honourable Matthew Opoku Prempeh Minister of Energy Republic of Ghana



His Excellency Dr.Alparslan Bayraktar Deputy Minister of Energy and Mineral Resources Turkey



Her Excellency Dr. Aissatou Sophie Gladima Minister of Petroleum and Energies Senegal



His Excellency Doskul Bekmurzaev Minister of Energy Kyrgyz Republic



Her Excellency Dr. Monica Juma Cabinet Secretary for Energy Kenya



Osama Mubarez Secretary General East Mediterranean Gas Forum (EMGF)



Deputy Assistant Secretary Laura Lochman Bureau Of Energy Resources US Department of State (FERC)



Willie L. Phillips Commissioner US Federal Energy Regulatory Commission (FERC)



Ismail Ertug MEP Group of the Progressive Alliance of Socialists and Democrats European Parliament



Massimiliano Salini MEP Group of the European People's Party European Parliament



His Excellency Mr. Yonis Ali Guedi Minister of Energy and Natural Resources Djibouti

#### Over 300 CEO's and business leaders speak at Gastech

#### Recent industry speakers have included:



Patrick Pouyanné President & CEO TotalEnergies



CEO Chevron



Chairman and Chief Executive Officer ConocoPhillips



Chairman and Chief Executive Officer Baker Hughes



Meg O'Neill Chief Executive Officer and Managing Woodside Energy



Sigmar Gabriel Former Minister for Foreign Affairs Germany and Chairman of the Atlantik-Brücke e.V. Germany



Christiana Figueres Former Executive Secretary UNFCCC



Fatima Al Nuami CEO ADNOC LNG



Josu Jon Imaz Chief Executive Officer Repsol



Peter Clarke Senior Vice President Upstream Oil & Gas ExxonMobil



Kevin Gallagher Chief Executive Officer Santos



Arturo Gonzalo Aizpiri Chief Executive Officer Enagas



Mike Sabel Chief Executive Officer, Co-Executive Chairman and Founder Venture Global LNG



Maria Rita Galli Chief Executive Officer DESFA



Charif Souki Executive Chairman of the Board Tellurian



Jack Fusco President and Chief Executive Officer Cheniere Energy



Akshay Kumar Singh Managing Director and Chief Executive Officer Petronet LNG



Alan Heng Group Chief Executive Officer Pavilion Energy



Steve Hill Executive Vice President, Energy Marketing Shell



Yukio Kani Corporate Vice President and Managing Executive Officer, Director JERA



Bjorn Otto Sverdrup Chair of the Executive Committee Oil and Gas Climate Initiative (OGCI)



Wuttikorn Stithit Senior Executive Vice President, Gas Business Unit PTT



Nigel Hearne Executive Vice President, Oil, Products and Gas Chevron



Anna Mascolo Executive Vice President, Emerging Energy Solutions Shell

# The Gastech conference

#### Leading the global energy conversation

The internationally renowned Gastech conference will bring together a series of meticulously crafted programmes created by industry experts, thought leaders, and strategic partners. Delegates can look forward to hearing from more than 600 expert speakers including policy makers from the worlds' leading energy economies, the industry's pre-eminent leaders, and technical experts from the global natural gas, LNG, hydrogen, low-carbon, and climate technologies industries.

#### **Gastech Strategic conference**

The Gastech strategic conference will provide delegates with real world insights that will enable them to better understand the dynamics of the world's evolving energy needs. Conversations will range from, but not be limited to, energy industry megatrends, net zero ambitions, next generation energy solutions, project funding, investor activism, and energy justice.

#### Gastech Technical and Commercial conference

Gastech's and commercial conference has a reputation for delivering a world class programme with leading-edge speakers. The programme promotes fresh thinking and reveals new ideas for future technologies and business approaches.

Attendees consider these sessions to bring out the very best in knowledge sharing at a granular level. This is where policy is put into practice and peer-to-peer learning is at its best.

The technical and commercial conference programme is curated through a merit-based system via an international call for papers. Abstract submissions open in September 2022 and close in January 2023. The abstracts are then peer reviewed by the industry's leading energy experts and business developers ensuring the quality and relevance of selected papers.





## Gastech features programmes

Also forming part of the Gastech conference, a range of feature programmes will be curated including Gastech Live, Diversity, Equity, and Inclusion in Energy, and Future Leaders.



Bringing fresh ideas and new approaches to thought leadership will be vital to the continued evolution of the energy industry.

Gastech LIVE provides an opportunity for delegates to open their minds to leadingedge thinking. LIVE sessions provide a voice to net zero visionaries, experts, disrupters, and innovators beyond the traditional conference programme. The question-answer conversations and keynote presentations will address topics such as reframing the transition narrative to meet the 20-gigatonne challenge, new opportunities to accelerate the energy transition, energy system investment priorities, and the millennial mindset and new ethical consumerism.



#### Diversity, Equity & Inclusion in Energy

Supporting a more diverse, equitable and inclusive energy sector is a cornerstone of performance for leading organisations' competitiveness.

This feature programme facilitates frank discussions about the make-up of the energy workforce, examines how the energy transition could accelerate opportunities for minorities, and provides practical advice on how to create a more diverse, equitable, and inclusive workplace.



Attracting and retaining talent is increasingly challenging as working practices evolve and fierce competition ensues to recruit the leaders of tomorrow.

The Gastech Future Leaders programme is a high-quality event offering participants with up to three years' experience in the industry an opportunity to explore potential career paths and understand what the world of energy has to offer.

# The Gastech Energy Club – an exclusive meeting place for world energy leaders

The Gastech Energy Club brings together Minsters, CEOs, and C-suite executives, representing governments and the world's leading energy companies.

The energy club is an exclusive location for the gas, LNG, hydrogen, low carbon solutions, and climate technologies industries to connect, influence, and define the future of energy.

The club features a purpose-built private lounge providing discreet space to network away from the media, alongside eight private meeting suites, all offering first-class connectivity and hospitality.

Within the club, the most influential players from across the global energy value chain will convene to participate in a series of invitation only leadership roundtables to be held under Chatham House Rules.

#### Eligibility

The Gastech Energy Club is strictly limited to 1,000 members who receive exclusive VIP benefits throughout the Gastech Exhibition & Conference including unique prestigious networking opportunities. Identified members are invited directly by a member of the Gastech Energy Club team.

The Gastech Energy Club is open to delegates registered for the Gastech Strategic conference who meet seniority and company criteria and have gone through the VIP approval process.



#### Gastech Leadership Roundtables

The Gastech Leadership Roundtables are an integral part of the Gastech 2023 leadership agenda. Up to eight closed-door roundtables on a range of topics will take place within the Leadership Suite.

The invitation only roundtables convene energy leaders and foster pragmatic dialogue between industry, government, finance, and technology leaders to galvanise strategies and business models to influence the future of energy production and supply and develop an effective road map to a net zero industry.

Led by an independent knowledge partner, these high-level conversations generate tangible takeaways and insightful reports to inspire the global gas industry to create the crucial strategies for the future success of the industry.

#### Leadership roundtable topics

Gastech identifies topics for leadership roundtables taking advice from its knowledge partner, energy advisor and key stakeholders. The roundtables are intended to help drive the energy conversation and will always be pertinent to the current debate.

Leadership roundtable topics in 2022 included:

- The role of governments and energy companies in ensuring Europe's energy security
- Is the energy transition stalling and what is needed to achieve a just transition for all?
- Who will quench the global thirst for gas and for how long?
- Enabling new LNG supplies
- Enabling hydrogen growth in Europe
- Gas infrastructure: Renewed interest and long-term future

To remain relevant to the industry, proposed topics for Gastech in Singapore will be announced early in 2023.



• The global energy market is in a state of constant transformation, driven by energy transition imperatives and geopolitical upheaval. At this pivotal moment, intelligence and analytical insight have never been more important for defining a new energy agenda.

Simon Flowers, Chairman, Chief Analyst, Wood Mackenzie

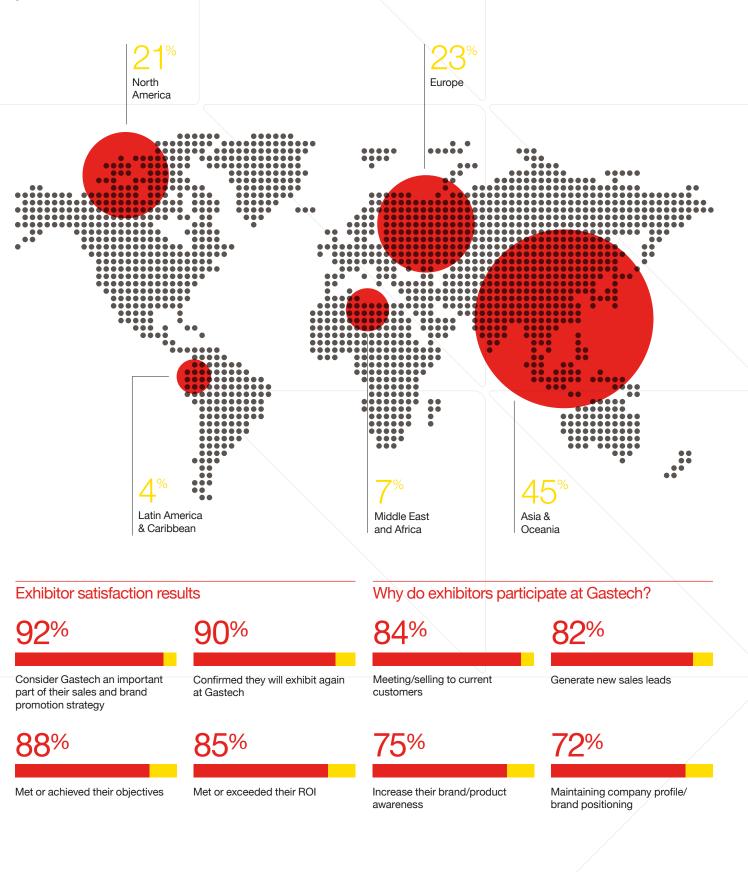
# **Meeting your business objectives**

Gastech consistently delivers high quality visitors with significant purchasing and decision-making authority. With an international appeal, Gastech is where you will meet the people who matter to your business.



# Attendee breakdown by region

A global platform convening over 40,000 energy professionals from around the world.





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