



# Leadership Roundtables

EXHIBITION & CONFERENCE

SINGAPORE EXPO | SINGAPORE | 5-8 SEPTEMBER 2023

Knowledge Partner



## What will drive a step change in LNG industry decarbonisation?

### Gastech 2023 Leadership Roundtables – Key Outcomes

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# The Gastech Leadership Roundtables

The Leadership Roundtables formed an integral part of the Gastech 2023 strategic leadership agenda, with nine closed-door roundtables taking place within the exclusive Gastech Energy Club.

Gastech's invitation-only Leadership Roundtables brought together the energy sector's most distinguished industry leaders, strategists, and policymakers. It facilitated important discussions about the future of energy production, LNG supply and demand, financing the energy transition and more, whilst providing excellent networking opportunities which empowered attendees to build new high-level industry connections.

No comments are attributable to any one participant.

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Gastech was pleased to host Wood Mackenzie as the Leadership Roundtables Knowledge Partner for 2023.







# What will drive a step change in LNG industry decarbonisation?

6 September 2023

Executive Boardroom, Gastech Energy Club

Reducing emissions is a priority for the LNG industry. The industry must also address how it restricts upstream fugitive methane emissions and methane slippage in some essel engines. A range of measures are already being evaluated, from responsibly produced gas to CCUS to more efficient engines in ships. All will take time to implement but are steps in the right direction. In parallel, standardising measurement and certification of emissions from each cargo are also being introduced.

Incentives to decarbonise are stacking up. This year the EU has announced plans to include LNG shipping emissions within its Emissions Trading Scheme and a broader extension of the CBAM to tackle full value chain emissions associated with delivering gas to market is expected. This will ripple across the industry and force carbon pricing into wider LNG trade. Countries in Asia are introducing carbon taxation and Asian buyers increasingly want measures to monitor and mitigate emissions from LNG.

The push to decarbonise opens the door to potential new business opportunities, including new technologies such as Blue Ammonia and eLNG, and searches for ways to transport, price and store its emissions.

## Roundtable participants:

### Moderators:



**Gavin Thompson**  
Vice Chairman, Energy - Asia  
Pacific  
Wood Mackenzie



**Giles Farrer**  
Head of Gas & LNG Asset  
Research  
Wood Mackenzie



**Lucy Cullen**  
Research Director – Asia  
Pacific Gas & LNG  
Wood Mackenzie

### Special guest:



**Giulia Ferrini**  
OGMP 2.0 Manager  
United Nations Environment  
Programme

### Participants:



**Alessandra Pasini**  
Co- Founder & President  
Zhero



**Kahina Abdeli-Galinier**  
Business Director- Emissions  
Management  
SLB



**Harshit Agrawal**  
Senior Gas Specialist  
World Bank



**Dr Sanjay C Kuttan**  
Chief Technology Officer  
Global Centre for Maritime  
Decarbonisation



**Jérôme Malka**  
Member of the Executive  
Committee  
ENGIE Global Energy  
Management & Sales



**John Panikar**  
CEO – Asia Pacific and Executive  
Vice President  
Linde



**Jennifer Hooper**  
Senior Vice President for  
Electrification, Automation,  
and Digitalization (EAD)  
Siemens Energy



**Marco Alverà**  
Chief Executive Officer  
TES



**Alessandro Bresciani,**  
Senior Vice President -  
Climate Technology Solutions  
Baker Hughes



**Astrid Poupart-Lafarge**  
Global Segment President -  
Energies and Chemicals  
Schneider Electric



**Svein Erik Oeistad**  
Singapore Country Manager  
Amogy



**De la Rey Venter**  
Managing Director & CEO  
MidOcean Energy



**Paul Everingham**  
Chief Executive Officer  
Asia Natural Gas & Energy  
Association



**Dr. Philip Mshelbila**  
Managing Director & Chief  
Executive Officer  
Nigeria LNG Limited



**Olalekan Ogunleye**  
Deputy Managing Director  
Nigeria LNG Limited



**Rostom Merzouki**  
Director, Global Gas  
Development  
American Bureau of Shipping



**Rakhi Oli**  
Sr. Global Leader-Strategy  
and Business Development;  
Low Carbon Business Segment  
Flowserve



**Eddy Tan**  
Executive Director  
Project Finance  
DBS Bank



**Jane Toogood**  
CEO – Catalyst Technologies  
Johnson Matthey



**Adriana Reais Pinto**  
Board Member  
Águas do Tejo Atlântico



**Loic Chapuis**  
Group Senior Vice President –  
Gas & Low Carbon Energies  
Technip Energies



**John Hatley**  
General Manager - Fleet  
Decarbonisation  
Wartsila



**Roberto Lorato**  
Chief Executive Officer  
MedcoEnergy





# Gastech Leadership Roundtables



## What will drive a step change in LNG industry decarbonisation?

As the LNG industry grapples with the imperative of decarbonisation, Gastech hosted a roundtable discussion to shed light on the way forward. What strategies and actions are necessary to drive a transformative shift for the LNG industry towards decarbonisation? And what might be needed to facilitate these?



## Key outcomes from participants

### 1. Prioritising methane emissions

The roundtable emphasised the urgent need for the gas industry to reduce methane emissions as a fast and effective way to mitigate global temperature rises alongside long-term decarbonisation plans. Accurate data on methane emissions, provided by initiatives like the International Methane Emissions Observatory, is crucial for transparency and accountability. Over 37% of oil and gas producers and 60% of LNG producers have committed to reporting methane emissions data, aiming to develop a methane supply index for buyers, with the biggest sources of methane emissions said to be upstream and pipeline segments of the value chain.

### 2. Balancing data and action

While data collection is crucial, there was debate regarding the balance between acquiring more data and taking immediate action to reduce methane emissions. Some participants stressed the importance of effectively utilising existing data, as this seemed the crucial element, rather than looking to obtain more.

### 3. Addressing value chain emissions

Importers were called upon to demand detailed information about value chain emissions, including both methane and carbon. Measurement, standardisation, and certification were highlighted as key components to provide assurance to buyers. Operators were urged to address emissions at both major and minor sources, such as replacing pumps and valves in facilities. Mitigating methane venting and leakages was identified as an immediate target, with safety and commercial benefits. Electrification of upstream and liquefaction processes, especially with renewable power, was recognised as a critical area for reducing emissions.

### 4. Challenges in decarbonisation

The roundtable acknowledged the high cost of achieving net-zero emissions in LNG facilities, and discussed potential incentives, such as policy levers like the European Carbon Border Adjustment Mechanism (CBAM). The participants also agreed that enforcing global methane emissions reduction would pose a challenge, particularly in developing markets.





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## 5. Decarbonisation in maritime sectors

The need to decarbonise the maritime industry was discussed, with a focus on carbon capture on ships due to limited progress in low-carbon fuel development. Collaboration between governments, producers, and importers was deemed necessary.

## 6. Decarbonising developing countries

International financing institutions are working to fund methane emission reduction efforts in developing countries, but the availability of finance remains a challenge, said the participants, with some funds directed only to specific technologies and markets.

## 7. Engaging with governments

Participants stressed the responsibility of companies to engage with governments to enhance their understanding of the policies and mechanisms required for decarbonisation, particularly in developing nations.

## 8. Collaboration in research and development

More cooperation and shared risk in research and development should be encouraged, said the members of the roundtable, with public-private partnerships and collaborative efforts among companies seen as essential to accelerate technological advancements in decarbonisation.

### Conclusion

The roundtable highlighted the centrality of data in decarbonisation efforts, and called for increased industry incentives, greater cooperation, and engagement with governments to achieve meaningful progress. Affordability and rule adjustments were mentioned as important factors in driving the industry's transition to decarbonisation successfully. As we approach COP28 in December, the gas industry has the technology foundation to address decarbonisation, but it must reconsider the rules of engagement for this new energy landscape.



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