

6TH EDITION

GAS SINGAPORE

Marina Bay Sands | Singapore
31 October - 1 November 2018

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SiEW
2018

YOUR GATEWAY TO NEW NATURAL GAS & LNG OPPORTUNITIES

CONFERENCE PROGRAM

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Event Programme Overview

WEDNESDAY 31 OCTOBER			THURSDAY 1 NOVEMBER			FRIDAY 2 NOVEMBER	
AM	LUNCH	PM	AM	LUNCH	PM	AM	
Opening Forum	Networking Lunch			Networking Lunch		Workshop hosted by ashurst	
		CONFERENCE				Site visit to Singapore's LNG Terminal	
		Leadership Plenary Programme			Strategic Programme	Hosted by SLNG Singapore LNG Corporation	
		SIEW Networking Reception			SIEW Networking Reception		



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SPEAKERS



Lynn McDonald
High Commissioner,
High Commission
of Canada in
Singapore



Martin Houston
Vice Chairman,
Tellurian



Frank Kretschmer
Senior Vice
President, LNG
Marketing,
ExxonMobil Asia
Pacific Pte Ltd



Neil McGregor
Group President
& CEO,
Sembcorp
Industries



**Datuk Ir. Ahmad
Fauzi Bin Hasan**
Chairman,
Energy Commission,
Malaysia



Renatas Pocius
Commissioner,
National
Commission for
Energy Control
and Prices of
the Republic of
Lithuania



Amreeta Eng
Director, Trade and
Business Services,
Enterprise
Singapore



Philip Olivier
Head of Global
LNG, Total Gas,
Renewables &
Power



Didier Holleaux
Executive Vice
President,
ENGIE



**Yasuo Ryoki
Advisor**
Osaka Gas Co.,
and Chairman,
Osaka Gas Australia



Alistair Smith
Head of LNG
Origination, Asia &
Middle East, BP



Sharif Mostafa
General Manager
LNG Marketing,
National Iranian Gas
Exporting Company



Alan Lim
Deputy Director of
Port Services,
Maritime Port
Authority of
Singapore



Beni Suryadi
Manager of
Policy Research
and Analytics
Programme,
ASEAN Centre
for Energy



Li Yao
CEO,
SIA Energy



Alok Sinha
Global Head, Oil &
Gas and Chemicals,
Standard Chartered



Daniel Mallo
Head of Energy,
Infrastructure,
Mining and Metals –
Asia Pacific,
Societe Generale



Sheharyar Chughtai
Vice President –
Asia Pacific Project
Finance,
Korea Development
Bank



Raj Goswami
General Manager
LNG Marketing,
Anadarko



Felicity Underhill
General Manager,
Strategy Execution,
Origin Energy



Andreas Salim
Operations Manager
FueLNG



Nori Kawai
Chief Representative
and General
Manager, Singapore
Representative
Office, LNG Japan
Corporation



James Laybourn
Head of Offshore
and Marine Services,
DNV GL Oil & Gas



Henning Gloystein
Head of Asia
Energy News,
Thomson Reuters



Brian Murphy
Head of Energy,
Oil & Gas Practice
Asia Pacific, Bain &
Company



Devender Singh
Regional Industrial
Segment Lead
(Asia Pacific),
Turbomachinery &
Process Solutions,
Baker Hughes - a
GE Company



Jon Ornlolfsson
Partner, Ashurst



Rahul Gupta
Solution Leader &
Associate Partner,
McKinsey Energy
Insights



Fauziah Marzuki
Senior Associate,
Global LNG,
Bloomberg NEF



Sandeep Mahawar
Head of
Commercial,
Singapore LNG
Corporation



Peter Godfrey
Managing Director
- Asia Pacific, The
Energy Institute



Yuichiro Yamaguchi
Head of Renewable
Energy & Trade
Finance, Teams
Development Bank
of Japan



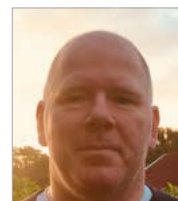
Leow Foon-Lee
Adjunct Principal
Research Fellow,
Energy Studies
Institute, NUS



Prof Jasmine Lam
Centre Director,
Maritime Energy
& Sustainable
Development
Centre of
Excellence, Nanyang
Technological
University



Frank Harteveld
Area Sales
Manager - Engines,
RollsRoyce
Commercial Marine



Kjartan Ovsthus
Director, Rolls Royce



Peter Stewart
Chief Energy
Analyst, Interfax
Global Energy



John Mathai
Corporate &
Strategy Oil and
Energy, New
Markets, Thomson
Reuters



Minoru Negishi
Project Manager,
JGC Corporation



May Chen
General Manager,
Billion Miles

Opening Forum

Wednesday | 31st October | 2018

09.30 – 09.35

WELCOME REMARKS AND ARRIVAL OF GUEST OF HONOUR

09.35 – 09.40

GROUP PHOTO

09.40 – 09.45

WELCOME AND OPENING BY ORGANISER

Gerard Leeuwenburgh
Vice President – Asia
dmg events



09.45 – 09.55

OFFICIAL OPENING AND MINISTERIAL ADDRESS

Minister for Trade & Industry
Singapore (TBC)

09.55 – 10.10

KEYNOTE ADDRESS

Lynn McDonald
High Commissioner
High Commission of Canada
in Singapore



10.10 – 10.25

KEYNOTE ADDRESS

Martin Houston
Vice Chairman
Tellurian



10.25 – 10.40

SPECIAL ADDRESS

Philip Olivier
Head of Global LNG, Total Gas,
Renewables & Power



10.40 – 11.10

MORNING NETWORKING & COFFEE BREAK

Leadership & Plenary Program

Wednesday | 31st October | 2018

THE SINGAPORE STORY

11.10 – 11.30 Special Address



Neil McGregor, Group President & CEO, Sembcorp Industries

11.30 – 12.20 PANEL: Forging towards an LNG Trading Hub in Asia

- What are the key strengths of Singapore in terms of policy framework, skilled manpower, infrastructure and incentives?
- How will Asia trading hub evolve and the implications on price discovery and transparency of trades for Asia markets?
- What are the challenges facing Singapore's development towards LNG trading hub, and how Singapore can navigate the evolving market?

MODERATOR



Amreeta Eng, Director, Trade and Business Services, Enterprise Singapore

PANELISTS



Yasuo Ryoki, Advisor, Osaka Gas Co., and Chairman, Osaka Gas Australia



Sandeep Mahawar, Head of Commercial, Singapore LNG Corporation



Cheong Jin Yu, Vice President, Singapore Exchange

12.20 – 13.20 Lunch & Networking

13.20 – 14.10 PANEL: Cementing Singapore's Position as a Leading LNG Bunkering Hub

- How will IMO regulations on sulphur cap be implemented and how does it translate to the shipping industry? What is the next phase of development?
- What is the implication of LNG bunkering on LNG demand and pricing? How is the take-up of LNG as marine fuel thus far?
- As Singapore gets ready to be LNG-bunker ready, what are the programmes and initiatives in place to support it? How does Singapore compare with other Asian countries?

MODERATOR



Prof Jasmine Lam, Centre Director, Maritime Energy & Sustainable Development Centre of Excellence, Nanyang Technological University

PANELISTS



May Chen, General Manager, Billion Miles



Andreas Salim, Operations Manager, FueLNG



Alan Lim, Deputy Director, Port Services, Maritime and Port Authority of Singapore (MPA)

Leadership & Plenary Program

Wednesday | 31st October | 2018

EMERGING AND DEVELOPING MARKETS

14.10 – 15.00 PRESENTATIONS: ASEAN - Opportunities for Natural Gas to Enable the Region's Energy Transformation Goals

- Natural gas in the energy mix – how can it contribute to ASEAN's goals of securing affordable, reliable and sustainable energy? What opportunities does current oversupply present for ASEAN markets?
- How can policy makers, financiers and industry work together to develop natural gas and LNG projects in Southeast Asia?
- How to overcome barriers when developing markets in ASEAN, such as Indonesia, Philippines, Vietnam and Thailand?

MODERATOR



Alok Sinha, Global Head of Oil & Gas and Chemicals Group, Standard Chartered

SPEAKERS



Datuk Ir. Ahmad Fauzi Bin Hasan, Chairman, Energy Commission, Malaysia



Beni Suryadi, Manager of Policy Research and Analytics Programme, ASEAN Centre for Energy



Nori Kawai, Chief Representative and General Manager, Singapore Representative Office, LNG Japan Corporation



Sriram Narayanan, Head, Gas & Power Business, Sembcorp Industries

15.30 – 16.10 PANEL: Other Asian Markets - Strategies for Successful Development of Natural Gas & LNG Infrastructure

- How are Asian countries responding to the dynamic natural gas and LNG sector developments? Will we see continuing push towards adoption of gas as fuel for power, and accelerated regulatory reforms?
- What are the exciting development in developing markets like Bangladesh, Pakistan, India, Sri Lanka?
- What are the roles of capital markets, policies and NOCs/IOCs in developing natural gas and LNG infrastructure?

MODERATOR



Rahul Gupta, Solution Leader & Associate Partner, McKinsey Energy Insights

PANELISTS



Sheharyar Chughtai, Vice President – Asia Pacific Project Finance, Korea Development Bank



Daniel Mallo, Head of Energy, Infrastructure, Mining and Metals – Asia, Societe Generale



Yuichiro Yamaguchi, Head of Renewable Energy & Trade Finance Teams, Development Bank of Japan



Nobuyuki Higashi, Corporate Officer, Vice President, Global Energy Marketing Division, INPEX Corporation

15.00 – 15.30 Afternoon Coffee & Networking

Leadership & Plenary Program

Wednesday | 31st October | 2018

INNOVATION

16.10 – 16.50 PRESENTATIONS: Innovations in Transactions, Digital and Disruptive Technologies

- In an increasingly diverse market, how are players reshaping strategies to capture opportunities in the gas sector?
- What are the opportunities digitalisation brings for operational excellence and process optimisation? What are the emerging disruptive technologies, such as AI, block chain, and their potential impact?
- How companies are adapting to these changes through organisational changes to truly realise the benefits?

MODERATOR



Brian Murphy, Head of Energy, Oil & Gas Practice Asia Pacific, Bain & Company

SPEAKERS



Felicity Underhill, General Manager, Strategy Execution, Origin Energy



Devender Singh, Regional Industrial Segment Lead (Asia Pacific), Turbomachinery & Process Solutions, Baker Hughes – a GE company



John Mathai, Corporate & Strategy Oil and Energy, New Markets, Thomson Reuters

16.50 – 17.00 Chairman's Wrap-up and Closing Remarks

17.30 – 20.00 SIEW Networking Reception & Drinks



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Strategic Conference Program

Thursday | 1st November | 2018

THE GATHERING PLACE FOR LNG BUYERS AND SELLERS

09.00 – 09.05 Welcome Remarks

09.05 – 09.10 Chairman's Opening Remarks

09.10 – 09.30 Keynote Address – Commoditisation of Gas and the Enablers (reserved)

09.30 – 10.20 PRESENTATIONS: NOC/IOC Perspectives – LNG Outlook, Emerging Markets, Global Trade Relations and New Opportunities

- What are the changes we have seen globally this year, and the impact on Asia?
- How will global trade relations, between EU, US and China, affect the flow/price and business environment of gas?
- What are the updates on demand growth, such as China's switching to gas? What strategies NOCs/IOCs are taking to generate sustained demand growth? What is the impact of US LNG on the global supply-demand balance?

MODERATOR



Henning Gloystein, Head of Asia Energy News, Thomson Reuters

SPEAKERS



Frank Kretschmer, Senior Vice President of LNG Marketing, ExxonMobil Asia Pacific Pte Ltd



Alistair Smith, Head of LNG Origination, Asia & Middle East, BP



Sharif Mostafa, General Manager, LNG Marketing, National Iranian Gas Exporting Company

10.20 – 10.50 Morning Coffee & Networking

10.50 – 11.30 PANEL: Buyers' Perspective – Contract Flexibilities, New Projects, Strategies to Secure Reliable and Competitive Supplies

- How buyers are leveraging on the current LNG market to negotiate more flexibilities in their contracts?
- What strategies buyers are taking to secure reliable and competitive supplies?
- How are Asian buyers balancing the short and long term contracts for optimisation?

MODERATOR



Fauziah Marzuki, Senior Associate, Global LNG, Bloomberg NEF

PANELISTS



Renatas Pocius, Commissioner, National Commission for Energy Control and Prices of the Republic of Lithuania



Li Yao, CEO, SIA Energy



Prof Gu Anzhong, Secretary General, China LNG Association

Strategic Conference Program

Thursday | 1st November | 2018

11.30 – 12.20 **PANEL: New Supplies, Infrastructure Development and Impact on Global Demand/Supply Balance**

- Update on key projects/facilities
- Canadian LNG supplies will have a significant impact on the global demand/supply balance – what opportunities will these projects bring for Asia?
- What lessons can Asia's emerging and developing countries learn from Canada LNG project and infrastructure development experience?

OPENING PRESENTATION



Ron Hoffmann, Alberta Senior Representative for the Asia Pacific Basin, the Government of Alberta

PANELISTS



Matt Klukas, Consultant, Criterium Group



Ratnesh Bedi, President, Pacific Oil & Gas

12.20 – 13.00 **PRESENTATIONS: Suppliers/Traders Perspectives: Short-Mid Term Transactions and Impact on Asia**

- What role are the portfolio players adopting and how is it impacting the Asian market?
- What developments can we expect in terms of price discovery and standardisation in the short-term?
- How is the current oversupply being absorbed? Would we see a consistent supply from North America to Asia?

MODERATOR



Jon Ornlolfsson, Partner, Ashurst

SPEAKERS



Rajnish Goswami, General Manager LNG Marketing, Anadarko Petroleum Corporation



Sarah Bairstow, Head of LNG Marketing (Commercial), Santos



Rukes Ahmed, Global Head of Power, Gas and Carbon, Thomson Reuters

13.00 – 14.00 **Networking & Lunch**

14.00 – 14.20 **Special Address**



Didier Holleaux, Executive Vice President, ENGIE

14.20 – 15.00 **PRESENTATIONS: The Gas-Renewables Nexus: delivering a cleaner future**

- What is the relationship between gas and renewables in the power sector?
- How will gas' and renewables' role in the energy mix evolve in the coming decades? Will gas be a "destination fuel"?
- How can gas and renewables contribute to the low-carbon future?

MODERATOR



Leow Foon-Lee, Adjunct Principal Research Fellow, Energy Studies Institute, NUS

SPEAKERS



James Laybourne, Head of Offshore and Marine Services, DNV GL Oil & Gas



Nur Hafizah Beserdin, Process Engineer, PETRONAS Carigali



Tan Kok Liang, Reservoir Engineer, PETRONAS Carigali

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Strategic Conference Program

Thursday | 1st November | 2018

15.00 – 15.40 **PANEL: Reality Check - FSRUs and Small-scale LNG Solutions for Asian Markets**

- What are the development hotspots for FSRUs and small-scale LNG projects in Asia? Can FSRUs be integrated to fast-track power plant projects?
- What are the key drivers in cost reduction and technical advancements? Small-scale LNG solutions have been touted for years, but what is the adoption like?
- What are the barriers that need to be overcome? Hear case studies and lessons from FSRUs and small-scale LNG projects from the region.

MODERATOR



Peter Godfrey, Managing Director - Asia Pacific, The Energy Institute

PANELISTS



Frank Hartevelde, Director Sales & Marketing, Wartsila Gas Solutions



Minoru Negishi, Project Manager, JGC Corporation



Yales Vivadinar, Managing Director, PetroRaya

15.40 – 16.10 **Afternoon Coffee & Networking**

16.10 – 16.50 **PRESENTATIONS: LNG for Power, Maritime & Trucking – Creating New Demand for LNG**

- How LNG virtual pipelines and floating gas power plants are bringing power to off-grid locations?
- How Asia will move towards LNG bunkering and establishing LNG bunkering standard?
- What new ancillary services around gas/LNG can be developed – trucking, break bulk and more?

MODERATOR



Peter Stewart, Chief Energy Analyst, Interfax Global Energy

SPEAKERS



Kjartan Ovsthus, Area Sales Manager - Engines, RollsRoyce Commercial Marine



Angus Campbell, Corporate Director Energy Projects, Bernhard Schulte Shipmanagement



Jinsok Sung, Researcher, Gurkin University of Oil & Gas

16.50 – 17.00 **GAS Chairman's Wrap-up and Closing Remarks**

17.30 – 20.00 **SIEW Networking Reception & Drinks**

2018's Executive Committee

The **Gas Asia Summit of Executive Committee** is made up of a senior, select group of industry professionals and policymakers, representing the gas and LNG supply chains: NOC's, IOC's, Gas & LNG companies, integrated energy companies, finance and training firms, and technology providers. The Committee deliberates and advises the programme direction to ensure the best possible content to address pertinent issues facing the sector.

**LEOW
FOON-LEE**

Adjunct principal
Research Fellow



**RAJ
GOSWAMI**

General Manager
LNG Marketing



KHURRAM MAJEED

General Manager, Asia
Pacific, Turbomachinery
& Process Systems



**JAMES
LAYBOURN**

Head of Offshore and
Marine Services



**SANDEEP
MAHAWR**

Head of
Commercial



**TONN SUAN
WONG**

President



**ELENA FROM THE
COMMITTEE**

General Manager, LNG
Portfolio



**SRIAM
NARAYANAN**

Head, Gas & Power
Business



**RONALD
CHEE YIT CHEW**

Business Development
Manager (Gas)



**RAHUL
GUPTA**

Solution Leader and
Associate Partner



**ALAN
LIM**

Deputy Director,
Port Services



**SUM
KUN SHAN**

Senior Development
Partner | Trade



**YASUO
RYOKI**

Chairman, Australia



**DAVID
KELLY**

Director - Asia Pacific



JOHN MATHAI

Corporate & Strategy Oil
and Energy, New Markets,
Thomson Reuters



JON ORNOLFSSON

Partner, Ashurst



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The Gas Asia Singapore Summit Experience

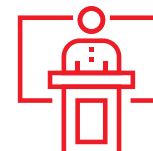
GAS Singapore is the only natural gas-focused commercial conference within the SIEW framework and has been developed under the theme: **Your Gateway to New Natural Gas & LNG Opportunities.**

GAS 2018 will firmly position Singapore as a leading trading, services and innovation hub and will serve as a key platform for developing new business and knowledge exchange within the natural gas and LNG community.



Gas Asia Singapore Summit 2018 will take place at level 4, Peony Ballroom at Sands Expo and Convention Centre, Marina Bay Sands, 10 Bayfront Ave, Singapore 018971.

CONFERENCE



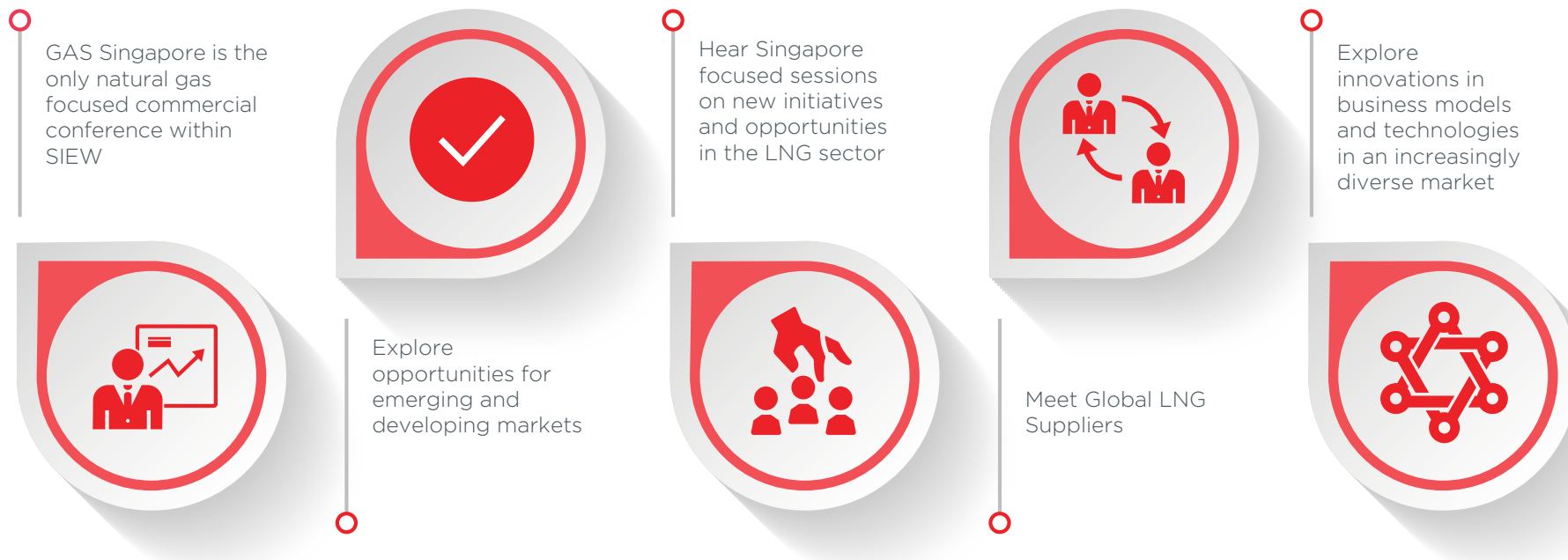
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- **Ministerial sessions**

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