

6<sup>TH</sup> EDITION

# GAS SINGAPORE

Marina Bay Sands | Singapore  
31 October - 1 November 2018

PART OF  
**SIIEW**  
2018

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## Gas Asia Summit 2018 Conference Agenda

*Your Gateway to New  
Natural Gas & LNG Opportunities*

### *4 Highlights*

- *The Singapore Story*
- *LNG emerging & developing markets*
  - *Canada Spotlight*
  - *Innovation*

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### SPEAKERS

- Lynn McDonald, *High Commissioner, High Commission of Canada in Singapore*
- Martin Houston, *Vice Chairman, Tellurian*
- 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, The Republic of Lithuania*
- Amreeta Eng, *Director, Trade and Business Services, Enterprise Singapore*
- Philip Olivier, *Head of Global LNG, Total*
- 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 of Marketing, Gas Export Division, National Iranian Oil Co. (NIOC)*
- 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*
- Rajnish Goswami, *General Manager LNG Marketing, Anadarko*
- Felicity Underhill, *General Manager, Strategy Execution, Origin Energy*
- 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*
- Jon Ornlöfsson, *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, *Director Sales & Marketing, Wartsila Gas Solutions*
- Kjartan Ovsthus, *Area Sales Manager - Engines, Rolls-Royce Commercial Marine*
- 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*

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### OPENING FORUM

Wednesday | 31<sup>st</sup> October | 2018

09.40	Arrival of Guest of Honour
09.40 – 09.45	Welcome and Opening by Organiser <i>Gerard Leeuwenburgh, Vice President – Asia, dmG events</i>
09.45 – 09.55	<b>Official Opening Address</b> <i>Ng How Yue, Chairman, Energy Market Authority of Singapore</i>
09.55 – 10.05	<b>Opening Keynote Address</b> <i>H.E. Dr Arcandra Tahar, Vice Minister of Energy and Mineral Resources, Indonesia</i>
10.05 – 10.20	<b>Keynote Address</b> <i>Lynn McDonald, High Commissioner, High Commission of Canada in Singapore</i>
10.20 – 10.35	<b>Keynote Address</b> <i>Martin Houston, Vice Chairman, Tellurian</i>
10.35 – 10.50	<b>Special Address</b> <i>Philip Olivier, Head of Global LNG, Total</i>
10.50 – 11.20	Group Photo, Morning Networking & Coffee Break

### LEADERSHIP PLENARY PROGRAMME Wednesday | 31<sup>st</sup> 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*

- PANELLISTS

1. *Yasuo Ryoki, Advisor, Osaka Gas Co., and Chairman, Osaka Gas Australia*
2. *Sandeep Mahawar, Head of Commercial, Singapore LNG Corporation*
3. *Cheong Jin Yu, Vice President, Singapore Exchange (SGX)*

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**
- **PANELLISTS:**
  1. Alan Lim, Deputy Director, Port Services, **Maritime Port Authority of Singapore**
  2. Andreas Salim, Operations Manager, **FueLNG**
  3. May Chen, General Manager, **Billion Miles**

### 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:**
  1. Datuk Ir. Ahmad Fauzi Bin Hasan, Chairman, **Energy Commission, Malaysia**
  2. Beni Suryadi, Manager of Policy Research and Analytics Programme, **ASEAN Centre for Energy**
  3. Nori Kawai, Chief Representative and General Manager, Singapore Representative Office, **LNG Japan Corporation**
  4. Sriram Narayanan, Head, Gas & Power Business, **Sembcorp Industries**

15.00 – 15.30

Afternoon Coffee & Networking

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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**

▪ PANELLISTS:

1. **Sheharyar Chughtai, Vice President – Asia Pacific Project Finance, Korea Development Bank**
2. **Daniel Mallo, Head of Energy, Infrastructure, Mining and Metals – Asia, Societe Generale**
3. **Yuichiro Yamaguchi, Head of Renewable Energy & Trade Finance Teams, Development Bank of Japan**
4. **Nobuyuki Higashi, Corporate Officer, Vice President, Global Energy Marketing Division, INPEX Corporation**

## 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:

1. **Felicity Underhill, General Manager, Strategy Execution, Origin Energy**
2. **Devender Singh, Regional Industrial Segment Lead (Asia Pacific), Turbomachinery & Process Solutions, Baker Hughes – a GE company**
3. **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

dmg::events Asia Pacific

19 Cecil Street #03-01, The Quadrant  
Singapore 049704

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### STRATEGIC DAY

## The Gathering Place for LNG Buyers and Sellers Thursday | 1<sup>st</sup> November | 2018

09.20 – 09.25	Welcome Remarks
09.25 – 09.30	Chairman's Opening Remarks
09.30 – 10.20	<p><b>PRESENTATIONS: NOC/IOC Perspectives – LNG Outlook, Emerging Markets, Global Trade Relations and New Opportunities</b></p> <ul style="list-style-type: none"> <li>• What are the changes we have seen globally this year, and the impact on Asia?</li> <li>• How will global trade relations, between EU, US and China, affect the flow/price and business environment of gas?</li> <li>• 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?</li> </ul> <ul style="list-style-type: none"> <li>▪ <b>MODERATOR:</b> <i>Henning Gloystein, Head of Asia Energy News, Thomson Reuters</i></li> <li>▪ <b>SPEAKERS:</b> <ol style="list-style-type: none"> <li>1. <i>Alistair Smith, Head of LNG Origination, Asia &amp; Middle East, BP</i></li> <li>2. <i>Sharif Mostafa, General Manager of Marketing, Gas Export Division, National Iranian Oil Co. (NIOC)</i></li> <li>3. <i>Rajnish Goswami, General Manager LNG Marketing, Anadarko Petroleum Corporation</i></li> </ol> </li> </ul>
10.20 – 10.50	Morning Coffee & Networking
10.50 – 11.30	<p><b>PANEL: Buyers' Perspective – Contract Flexibilities, New Projects, Strategies to Secure Reliable and Competitive Supplies</b></p> <ul style="list-style-type: none"> <li>• How buyers are leveraging on the current LNG market to negotiate more flexibilities in their contracts?</li> <li>• What strategies buyers are taking to secure reliable and competitive supplies?</li> <li>• How are Asian buyers balancing the short and long term contracts for optimisation?</li> </ul>

- MODERATOR:  
*Fauziah Marzuki, Senior Associate, Global LNG, Bloomberg NEF*
- PANELLISTS
  1. *Renatas Pocius, Commissioner, National Commission for Energy Control and Prices, The Republic of Lithuania*
  2. *Li Yao, CEO, SIA Energy*
  3. *Prof Gu Anzhong, Secretary General, China LNG Association*

### Canada Spotlight

- 11.30 – 12.30**    **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, Senior Representative for the Asia Pacific Basin, Government of Alberta*
  - MODERATOR: *Matt Klukas, Consultant, Criterium Group and Energy Advisor, Canada-ASEAN Business Council*
  - PANELISTS:
    1. *Mary Hemmingsen, Executive Vice President and CFO, North West Innovation Works*
    2. *Ratnesh Bedi, President, Pacific Oil & Gas*
    3. *Nigel Kuzemko, CEO, Steelhead LNG*
    4. *Randall Quinn, Executive Director, Head of Diversified Industries and Infrastructure, Investment Banking, CIBC*
    5. *Azam Mohammad, Partner, Oil & Gas and Metals & Mining Practice Lead, McKinsey & Company*
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- 12.30 – 13.10**    **PRESENTATIONS: 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:
    1. *Rukes Ahmed, Global Head of Power, Gas and Carbon, Thomson Reuters*
    2. *Mangesh Patankar, Director – Gas and LNG Consulting, Wood Mackenzie*

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13.10 - 14.15 Networking & Lunch

14.15 - 14.30 **Special Address - The Role of Gas in the Energy Transition**  
*Didier Holleaux, Executive Vice President, ENGIE*

14.30 - 15.10 **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:
  1. *Didier Holleaux, Executive Vice President, ENGIE*
  2. *James Laybourn, Head of Offshore and Marine Services, DNV GL Oil & Gas*
  3. *Mohamad Ishan Isnin, Head Sustainable Development, Operational Excellence - Centre of Excellence, PETRONAS Carigali*
    - *Nur Hafizah Beserdin, Process Engineer, PETRONAS Carigali (Co-presenter)*
    - *Tan Kok Liang, Reservoir Engineer, PETRONAS Carigali (Co-presenter)*

15.10 - 15.50 **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*
- PANELLISTS:
  1. *Frank Harteveld, Director Sales & Marketing, Wartsila Gas Solutions*
  2. *Minoru Negishi, Project Manager, JGC Corporation*
  3. *Yales Vivadinar, Managing Director, PetroRaya*

15.50 - 16.20 Afternoon Coffee & Networking

16.20 - 17.00 **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?

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- 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?
  - Use of natural gas for industry, transportation and city gas sectors.
- MODERATOR: *Peter Stewart, Chief Energy Analyst, Interfax Global Energy*
  - SPEAKERS:
    1. *Kjartan Ovsthus, Area Sales Manager - Engines, Rolls-Royce Commercial Marine*
    2. *Angus Campbell, Corporate Director Energy Projects, Bernhard Schulte Shipmanagement*
    3. *Jinsok Sung, Researcher, Gubkin University of Oil & Gas*
    4. *Sushil Kumar, General Manager, GAIL*

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**17.00 – 17.05** GAS Chairman's Wrap-up and Closing Remarks

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

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