

**Dear Colleague,**

There's no denying that the current economic climate is having an effect on the gas industry. Gas prices have been hit and with new capacity soon to come on board, future prices are uncertain. However, gas still continues and will continue to be a major contributor to global energy needs. As a major gas player, how do you ensure you maximise the opportunities for gas development in Asia?

While it may seem like a luxury to take 3 days away from your desk at the moment, I can't recommend a more effective way to spend your time than at Gas Asia. The conference agenda has been developed based on 2 months of research and over 60 conversations with your peers to ensure the topics are relevant to you.

All our speakers have been selected based on their seniority, expertise and experience in the gas industry, meaning you will leave the conference with business-critical insights you can put to good use as soon as you get back to the office.

**Here's 7 additional business reasons to attend Gas Asia:**

1. Spend 3 days gathering the latest insights and ideas in your industry to take back to the office so you can benefit straightaway
2. Hear from leading operators and make the most out of the Q&A sessions and roundtable sessions to get the answers you need
3. Take advantage of over 14 hours of networking and benchmarking throughout the event to catch up with old friends, make new contacts and keep up with the developments in your industry
4. Don't miss out on the case studies presented from your industry. Find out what challenges our speakers faced, the benefits they gained and the implications for your business
5. Join an elite group of peers at the Unconventionals Summit day and assess the viability of this new resource
6. Bring your team for training and benefit from the generous group discounts
7. Spend time in the exhibition area to compare top-level service providers and make sure you're getting the best deal and expertise available

**Hurry! Save £100 if you register today**  
(just fax back the back page of the brochure)

Warm regard,



**Desiree Tung**  
General Manager  
The Energy Exchange



**ABOUT THE ENERGY EXCHANGE**



Since 1997, The Energy Exchange has achieved worldwide recognition for the organisation of high level, strategic and technical conferences within the upstream oil and gas and alternative energy sectors. Our industry events are renowned as market leaders in their fields.

Due to our strong and long standing relationships with governments and all of the major oil and gas producers worldwide, we ensure our events consistently tap into the key issues affecting the industry and we bring together the principle influencers to share their thoughts, ideas and vision with you, our audience.

The Energy Exchange is part of Clarion Events, a global business-to-business event organiser with over 200 staff in London, Birmingham, Hong Kong, Sao Paulo, Maarssen (The Netherlands), and St Charles (MI), USA. Clarion's energy portfolio includes the utilities and energy trading specialist Synergy and South African based integrated media company Spintelligent.

**TESTIMONIALS**

"Gas Asia was not only informative, but also interactive. The topics presented were relevant to the prevailing industry scenario "

Ahmad Marzuki Haji Ahmad,  
LNG Portfolio Optimiser,  
**PETRONAS**

"This conference not only provided excellent technical and commercial presentations but also delivered new contacts and networking opportunities. "

Nawid Kashani,  
Senior Process Manager,  
Gas Treatment Process Technology, **BASF**

"Excellent conference. Very good opportunity to see the big picture of the gas business. Lots of interesting topics and players who can develop and offer gas solutions. Well done. "

Abdullah Al Abri,  
Gas Production Support Team Leader,  
**PETROLEUM DEVELOPMENT OMAN**






**UNCONVENTIONAL SUMMIT DAY  
ASSESSING THE DEVELOPMENT OF UNCONVENTIONAL  
GASES INTO A COMPETITIVE RESOURCE  
11TH OCTOBER 2010**

08:30	Coffee & Registration
09:00	Chair's Opening Remarks
09:15	<p><b>ADDRESSING THE VIABILITY OF UNCONVENTIONALS AS A VIABLE AND RELIABLE ENERGY RESOURCE</b></p> <ul style="list-style-type: none"> <li>• Reviewing the types of unconventional gas</li> <li>• Examining the key drivers behind unconventional gas development</li> <li>• Challenges of entering into the unconventional market</li> <li>• Assessing the role of unconventional gas on Asia</li> <li>• Addressing the impact of unconventional development on conventional gas</li> </ul> <p> Peter Cockcroft, CEO, <b>EUROPEAN GAS</b></p>
09:45	<p><b>EXAMINING THE EVOLUTION OF CBM FROM A LOCAL TO A GLOBAL BUSINESS</b></p> <ul style="list-style-type: none"> <li>• What does it take to be a global CBM player?</li> <li>• Comparing and contrasting CBM development and business models</li> <li>• Examining CBM developments in China, India, Indonesia &amp; Australia</li> </ul> <p> Randeep Grewal, Chairman &amp; CEO, <b>GREEN DRAGON GAS</b></p> <p> Stephen Lyons, Managing Director, <b>SINO GAS &amp; ENERGY</b></p> <p> Peter Godfrey, Vice President Commercial, <b>ARROW ENERGY</b></p>
10:30	Coffee & Networking Break
11:00	<p><b>INSIGHTS INTO TECHNOLOGIES TO EXPLOIT CBM POTENTIAL</b></p> <ul style="list-style-type: none"> <li>• What technologies are available to make CBM a sustainable resource?</li> <li>• Global market potential and advancement in extraction technologies</li> <li>• Unlocking CBM/CSG potential: managing project implementation risks and challenges</li> <li>• Overcoming the challenge of water handling when exploiting CBM</li> <li>• Examining the potential for CBM to LNG</li> </ul> <p> Pramod Kumar Gupta, Project Manager, CBM Project, <b>RELIANCE INDUSTRIES</b></p>
12:00	Networking Lunch
13:30	<p><b>TIGHT GAS AND SHALE GAS DEVELOPMENT AND TECHNOLOGIES</b></p> <ul style="list-style-type: none"> <li>• Technical challenges and solutions in gas field development: enhancing recovery from tight gas</li> <li>• Unlocking stranded gas fields: analysing new technologies to bring stranded gas to market</li> <li>• Examining the potential of shale gas reserves in the Asia Pacific</li> <li>• Fundamentals of shale gas resources, reserves and development</li> <li>• What is the potential of shale gas as a sustainable resource and how could this impact other unconventional sources?</li> </ul> <p> Ray James, Managing Director, <b>ICON ENERGY</b></p> <p> John Heugh, Managing Director, <b>CENTRAL PETROLEUM</b></p>



15:00	Coffee & Networking Break
15:30	<p><b>INTERACTIVE ROUNDTABLES</b></p> <p>You asked us to provide more face-to-face time with your peers and more time for interactive discussion. Each roundtable will be hosted by speaker who will lead in depth discussion on key topics. This is your opportunity to gain insights into views, strategies and perspectives on:</p> <p>Table 1: <b>CBM drilling and completions</b> Table 2: <b>Effective CBM business models</b> Table 3: <b>Tight Gas developments</b> Table 4: <b>Shale Gas developments</b></p>
16:30	Chair's Closing Remarks and Close of Unconventional Summit Day
16:45	<p><b>GAS ASIA 2010 WELCOME NETWORKING RECEPTION</b></p> <p>Join us for welcome networking reception and use this opportunity to get to know your fellow delegates before the main conference starts in an informal environment. This is an excellent way to start building relationships and frame discussions for the days ahead.</p>



**GAS ASIA 2010  
MAIN CONFERENCE DAY ONE  
12th OCTOBER 2010**

08:30	Coffee & Registration
09:00	<p><b>SESSION ONE: EXAMINING REGIONAL MARKET OUTLOOKS AND DEVELOPMENTS</b></p> <ul style="list-style-type: none"> <li>• Reviewing the long term sustainability and the role gas plays in global energy needs</li> <li>• Projections of needs for natural gas in the future (role of nuclear, coal and renewable energy sources and how these will affect the demand)</li> <li>• Examining the future impact of geo-politics and globalisation in sustaining gas supply and trade</li> <li>• New growing areas of domestic demand in Asia: China, India, Indonesia and their impact</li> </ul> <p> Datuk (Dr) Abdul Rahim Hashim, President <b>INTERNATIONAL GAS UNION (IGU)/MALAYSIAN GAS ASSOCIATION (MGA)</b></p> <p> Dr Tilak K. Doshi, Chief Economist, Energy and Environmental Economics, and Principal Fellow, <b>ENERGY STUDIES INSTITUTE</b></p>
10:30	<p>Coffee &amp; Networking Break</p> <p><b>BUSINESS CARD EXCHANGE</b></p> <p>We make networking easy with our highly popular business card exchange format. Through a simple and easy format, benefit from exchanging business cards with the whole conference delegation. Make sure you bring lots of business cards!</p>
11:15	<p><b>SESSION TWO: OPPORTUNITIES FOR GAS DEVELOPMENT IN ASIA</b></p> <ul style="list-style-type: none"> <li>• National Government plans and policies for the region's gas sector development</li> <li>• Achieving energy security and efficiency: policy updates and regulatory developments in Asia's gas and power sector</li> <li>• Financing strategies for the procurement of gas projects in the region</li> <li>• What are the future strategies of the NOCs for the development of Asia's gas sector and how will continued growth be ensured?</li> <li>• Analysing the best investment opportunities for the IOCs</li> <li>• Sour Gas Processing: New Developments and Recent Project Experiences</li> </ul> <p> Alberto Migliucci, Head of Oil and Gas South East Asia, <b>CREDIT SUISSE</b></p> <p> Peter Kaznacheev, Managing Partner, <b>KHAZNAH STRATEGIES</b></p> <p>Derek Ritchie, Technology Commercialisation &amp; Licensing Manager, Upstream Business Asia, <b>SHELL GLOBAL SOLUTIONS</b></p>

12:30	<b>Networking Lunch</b>
14:00	<p><b>SESSION THREE: ENSURING GAS AVAILABILITY AND SUPPLY – BUYER AND SELLERS PERSPECTIVES</b></p> <ul style="list-style-type: none"> <li>Reviewing the demand and supply dynamic of gas in key Asian markets and the implications on pricing, trading, infrastructure development and future investment</li> <li>Identifying activities and strategies from Asian buyers to secure reliable, sustainable long term supply</li> <li>Reviewing global gas production and supply – identifying production areas and capacities and new projects</li> </ul> <p> Jamal E. Al Loughani, Deputy Managing Director – Marketing Operations, <b>KUWAIT PETROLEUM CORPORATION</b></p>
15:30	<b>Coffee &amp; Networking Break</b>
16:00	<p><b>SESSION FOUR: GAS TRANSPORTATION AND DISTRIBUTION DEVELOPMENTS IN ASIA</b></p> <ul style="list-style-type: none"> <li>Developing regional infrastructure and gas transportation systems</li> <li>Gas supplies from Russia: balancing the European market with the emerging Asian gas market</li> <li>Central Asian supply: Kazakhstan's supply to China and Turkmenistan's supply potential and timetable update</li> <li>Small scale LNG transportation and shipping</li> </ul> <p> Rajesh Vedvyas, Managing Director, <b>INDRAPRASTHA GAS LTD</b></p> <p> Jennifer Coolidge, Executive Director, <b>CMX CASPIAN AND GULF CONSULTANTS LTD</b></p> <p> Lee Giok Seng, Executive Director, <b>ASIAN NATURAL GAS VEHICLES ASSOCIATION</b></p>
17:30	<b>Chair's Closing Remarks and End of Day One</b>
17:45	<p><b>GAS ASIA 2010 NETWORKING RECEPTION</b>  <i>Carry on the discussions you started during the day at the Gas Asia Networking Reception. All attendees are automatically invited for the social highlight of Gas Asia 2010.</i></p> <p></p>

**GAS ASIA 2010  
 MAIN CONFERENCE DAY TWO  
 13th OCTOBER 2010**

08:30	<b>Coffee &amp; Registration</b>
09:00	<b>Chair's Opening Remarks</b>
09:15	<p><b>SESSION FIVE: LNG LATEST DEVELOPMENT AND UPDATES</b></p> <ul style="list-style-type: none"> <li>Examining the impact of economic turmoil and prospects for recovery on LNG projects</li> <li>Reviewing the liquefaction capacity, terminal facility development and shipping capacity of scheduled and/or operational projects</li> <li>Possibilities of new supplies for Asian buyers, project updates and timeframe: Chances of new projects? Which ones will actually go ahead? Will they be on time?</li> <li>Analysing the cause for continued delays of LNG projects and perspectives on effective project management</li> <li>Gaining insights into key issues impacting how to draft LNG contracts</li> <li>Effective risk management for LNG projects</li> </ul> <p> Atsunori Takeuchi, Senior Vice President, LNG Asia Pacific, <b>TOKYO GAS CO.</b></p> <p> Rudolph Huber, Head of Business Development, <b>ECONGAS</b></p> <p>Tony Regan, Principal Consultant, <b>TRI-ZEN INTERNATIONAL</b></p>

10:30	<b>Coffee &amp; Networking Break</b>
11:00	<p><b>SESSION SIX: THE FUTURE OF LNG IN ASIA</b></p> <ul style="list-style-type: none"> <li>Overview of the Asia Pacific LNG industry developments: specific focus on Australia's North West Shelf</li> <li>Updates on Pacific LNG project in Papua New Guinea</li> <li>New entrants into the LNG market: India, Thailand, Kuwait</li> </ul> <p> Henry Aldorf, President, <b>PACIFIC LNG OPERATIONS</b></p> <p> Akbar Zamaniyan, Head of Natural Gas Conversion Department, Head of Synthesis Gas and Hydrogen Plan, <b>RESEARCH INSTITUTE OF PETROLEUM INDUSTRY, IRAN</b></p>
12:30	<b>Networking Lunch</b>
14:00	<p><b>SESSION EIGHT: COMMERCIALISING FLNG</b></p> <ul style="list-style-type: none"> <li>Global FLNG forecast including case studies: commercial viability, small scale vs. large scale operations, risk management, technical practicality</li> <li>Updates from shipbuilders on latest technologies and innovations</li> </ul> <p>Nils Jakob Hasle, Project Manager, FPSO, <b>HOEGH LNG</b></p>
15:00	<b>Coffee &amp; Networking Break</b>
15:30	<p><b>SESSION SEVEN: ROUNDTABLES</b></p> <p>You asked us to provide more face-to-face time with your peers and more time for interactive discussion. Each roundtable will be hosted by speaker who will lead in depth discussion on key topics. This is your opportunity to gain insights into views, strategies and perspectives on:</p> <p>Table 1: <b>LNG opportunities and challenges</b>        Table 2: <b>FLNG</b>        Table 3: <b>Unconventionals</b></p>
17:00	<b>Chair's Closing Remarks and End of Gas Asia 2010</b>



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Shell Global Solutions offers consulting services to the oil and gas industry that can help in providing step changes in its client's business performance. We assist in the search for improvement by providing solutions that are designed to improve margins, extract more from existing assets, protect people and the environment and increase competitiveness.

The delivery of products and services from Shell Global Solutions is underpinned by the comprehensive technological and operational experience within the wider Shell Group, and is supported by core consulting expertise in key management areas. For many years, we have helped Shell to find innovative ways to increase margins across its global business network. We have over 5,000 staff: their cultural diversity reflects our global reach and helps us to build mutually beneficial relationships with our clients around the world.

In the upstream oil and gas sector, we have particular expertise in metering, real-time production surveillance, production programming, optimizing, forecasting, hydrocarbon allocation and integrated production system modeling. We help operators to optimise their assets and production processes, to benefit from technology implementation and to manage change.

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## Sponsorship & Exhibition Opportunities

Gas Asia represents a unique opportunity for a limited number and select group of sponsoring organisations. Those firms sponsoring the event will be able to highlight their expertise and thought leadership in the field, and introduce their executives to an audience composed of potential customers and partners.

There are many ways in which sponsors can become involved, offering numerous points of contact and interaction between sponsors and the audience. The event provides an effective and high-quality platform for business development with both existing and potential clients.

To discuss sponsorship & exhibition opportunities please contact:

**Hendry Chong, Commercial Manager Asia**

Tel (65) 6407 1357 or email: [h.chong@energyexchangeasia.com](mailto:h.chong@energyexchangeasia.com)



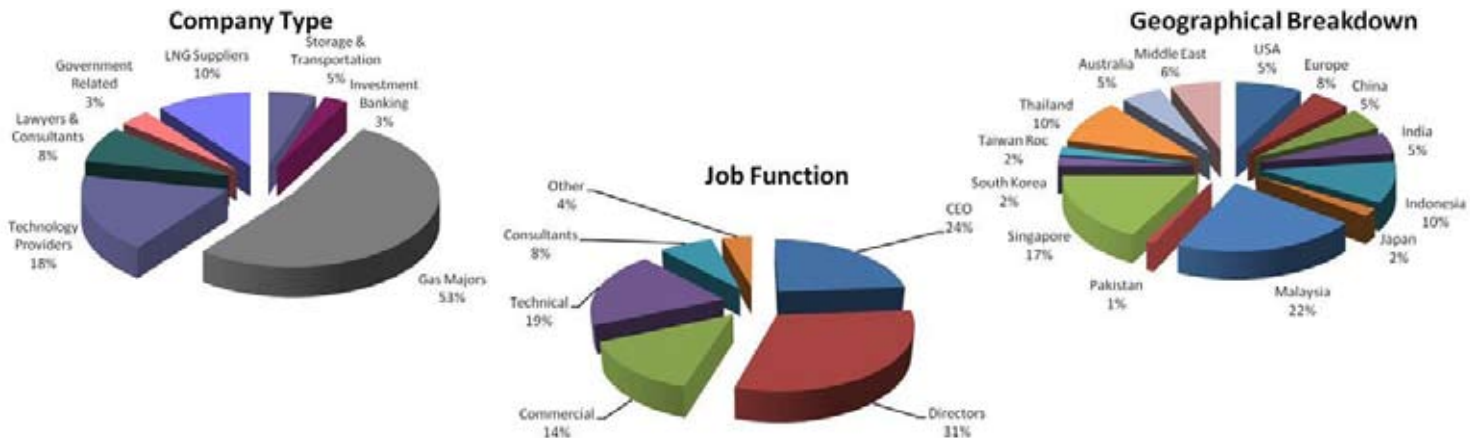
## EXHIBITION FLOORPLAN

### Conference Room



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## WHO ATTENDS GAS ASIA?



## COMPANIES THAT HAVE ATTENDED GAS ASIA

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- INTER STATE GAS SYSTEMS
- JAPAN OIL, GAS AND METALS
- JGC MALAYSIA SDN BHD
- JOGMEC
- K POWER CO LTD
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- MANUFACTURING FOR OIL PRODUCTS
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- MITSUBISHI CORPORATION
- MURPHY SARAWAK OIL COMPANY LTD
- NAUTADUTILH N.V.
- NIPPON OIL EXPLORATION (MALAYSIA), LTD
- PERTAMINA
- PERTAMINA ENERGY SERVICES PTE LTD
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- PETRONAS CARIGALI SDN BHD
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- PT PERUSAHAAN GAS NEGARA
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10<sup>th</sup> September 2010!



# GAS ASIA 2010

**11<sup>TH</sup> OCTOBER 2010** – UNCONVENTIONAL SUMMIT DAY  
**12<sup>TH</sup> – 13<sup>TH</sup> OCTOBER 2010** – GAS ASIA MAIN CONFERENCE  
**MANDARIN ORIENTAL KUALA LUMPUR, MALAYSIA**

Ensuring availability, driving sustainability and maximising opportunities for gas development in Asia

## KEY SPEAKERS:



**Datuk (Dr) Abdul Rahim Hashim**, President, **INTERNATIONAL GAS UNION (IGU)/MALAYSIAN GAS ASSOCIATION (MGA)**



**Peter Cockcroft**, CEO, **EUROPEAN GAS**



**Randeep Grewal**, Chairman & CEO, **GREEN DRAGON GAS**



**Atsunori Takeuchi**, Senior Vice President, LNG Asia Pacific, **TOKYO GAS CO.**



**Rajesh Vedvyas**, Managing Director, **INDRAPRASTHA GAS LTD**



**Henry Aldorf**, President, **PACIFIC LNG OPERATIONS**



**Stephen Lyons**, Managing Director, **SINO GAS & ENERGY**

## ATTEND GAS ASIA AND BENEFIT FROM THESE KEY INSIGHTS:

- Reviewing the long term sustainability and the role gas plays in global energy needs and the impact on your business
- Analysing gas demand and supply dynamics and interpreting the impact on players in Asia in terms of pricing, trading, infrastructure development and future investment
- Vital insights from buyers and sellers on key strategies to ensure gas availability and supply
- Critical updates on LNG developments, projects and technologies
- Assessing the progress of regional infrastructure and gas transportation systems
- Addressing the viability of unconventional gas as a reliable energy source

## PLUS! DON'T MISS THE UNCONVENTIONAL SUMMIT DAY 11th October 2010

– Join an elite group of peers on this dedicated day focused on leveraging on the development of unconventional gases into a competitive resource – see inside for more details

[www.gas-asia.com](http://www.gas-asia.com)

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