

AMSTERDAM 3-5 DECEMBER 2008



ON  
**FLARING AND VENTING REDUCTION  
AND NATURAL GAS UTILISATION**  
GRAND HOTEL KRASNAPOLSKY, AMSTERDAM

WELCOME—WEDNESDAY, 3 DECEMBER 2008

19.00 Reception—Welcome to Amsterdam, Hosted by Chevron

FORUM DAY 1—THURSDAY, 4 DECEMBER 2008

8.00 Breakfast and Exhibition, Hosted by Petrobras

9.00 KEYNOTE ADDRESSES

**Unlocking the Value of Wasted Natural Gas**

Somit Varma, Director, World Bank's Oil, Gas, Mining, and Chemicals Department

Dan McFadyen, Chairman, Energy Resources Conservation Board, Alberta

**Clearing the Air: A Role for Us All**

Guy Outen, Shell E&P, Executive VP E&P Strategy and New Business

10.15 Opening Remarks  
Robert M. Lesnick, Forum Chairman,  
World Bank Global Gas Flaring Reduction Partnership (GGFR)

10.30 Coffee Break and Exhibition, Hosted by BP

11.00 THE ROLE OF MARKET CONDITIONS AND REGULATION IN GAS FLARING  
AND VENTING REDUCTIONS

Moderator: Bent Svensson, Program Manager, World Bank GGFR

**Market**

Rights to Monetize Gas, Pricing and Access to Infrastructure and Markets  
in Key Gas Flaring Countries

- Lew Watts, President and CEO, PFC Energy

**Regulation**

Challenges and Options in Practical Implementation of  
Gas Flaring Regulation

- Murat Rahimbergenov, Chairman, Committee on Environmental Regulation, Republic of Kazakhstan
- John Shinn, Advisor, Chevron, USA
- Jean Pierre Boussougou, Directeur Adjoint, Direction Generale Des Hydrocarbures, Gabon





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12.30 Lunch, Hosted by ExxonMobil

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14.00 **EMERGING GAS UTILISATION TECHNOLOGIES: POSSIBILITIES AND BARRIERS**  
**Presentations and panel discussion to identify operational and business strategies to overcome obstacles to small-scale associated gas utilisation**

Moderator: Dr. Mostefa Ouki, Vice President, Energy Resources Nexant Ltd.

- About Gas Valorisation Routes  
Jean-Marc Segueineau, Vice President, Africa, Technology & Production, Total E&P
  - A New GTL, A Better GTL  
Tom Rolfe, President, Synfuels
  - Small-scale LNG  
Halfdan Millang, Technical Director, Hamworthy, Norway
  - Gas to Power  
Dr. Jacob Klimstra, Sr. Energy and Engine Specialist, Wartsila Power Plants
  - Peter Riches, Chief Executive, CompactGTL
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15.30 Coffee Break, Hosted by StatoilHydro

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16.00 **SESSION A: IMPROVING ECONOMICS OF FLARE AND VENT REDUCTION PROJECTS**

Moderator: Francisco Sucre, Energy Specialist, World Bank GGFR

- Oil & Gas Fiscal Framework  
John Griffith, Senior Economist, Gaffney-Cline & Associates
  - Gas Transmission & Distribution  
Uji Subroto Santoso, Vice President, PT PGN (Persero) TBK
  - CDM in Gas Projects  
Jorgen Keyser, Senior Vice President of Oil & Gas, Sindicatum Carbon Capital
  - Flare Gas Utilization Projects—Central Asia and Africa  
Bob Schmitz, Associate, Qualitas International
  - ERCB Tools for Improving Economics of Flare and Vent Reduction  
Michael Brown, Senior Production Engineer, Energy Resources Conservation Board, Alberta
  - Sabah Gas Conversion Project  
Ajay Mehta, Regional CO2 Focal Point, Shell Malaysia Exploration & Production
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## SESSION B: EMERGING GAS UTILISATION TECHNOLOGIES

Moderator: Jean-Eric Molinard, Advisor, World Bank GGFR

- An Economic Solution to Small to Mid Scale Liquefaction  
Paul Emmitt, New Technology Manager, Energy & Power
- New Enabling Technology for Converting Flares to Fuel  
Alan Richards, Methion
- Clearing the Air! Achieving Sustainability and  
Air Quality with Technology  
Audrey Mascarenhas, CEO, Questor
- Upstream GTL Solutions for Flaring  
Edward Peterson, Operations Manager, Synfuels
- Energy Efficient LNG Technology for Recovery of Flare Gas  
Technology for Recovery of Flare Gas  
Arne Jakobsen, Business Development Manager, Hamworthy

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18.00 Forum Chairman's Day 1 Concluding Remarks

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19.30 Gala Dinner & Reception, Hosted by Shell E&P  
West Indisch Huis (West India House), Herenmarkt 93-99, Amsterdam  
*Transportation to and from hotel provided.*

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### FORUM DAY 2—FRIDAY, 5 DECEMBER 2008

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8.00 Breakfast and Exhibition

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8.30 SUCCESSFUL APPLICATION OF GAS UTILISATION TECHNOLOGIES

#### **Oil and Gas Methane Emissions Reductions Technology Overview**

Roger Fernandez, Team Leader, U.S. Environmental Protection Agency—  
Methane to Markets Partnership

#### **Flare Emissions and Efficiency—Past and Current Research**

Dr. Matthew Johnson, Canada Research Chair in Energy and Combustion  
Generated Air Emissions, Carleton University

#### **Operational Experience with a Gas-Diesel Engine Running on Flare Gas**

Jacob Klimstra, Sr. Energy and Engine Specialist, Wartsila Power Plants

#### **Case Studies for Utilisation of Recovered Gas**

Moderator: Roger Fernandez, Team Leader, U.S. Environmental Protection  
Agency—Methane to Markets Partnership

- Angola—An Onshore Solution for Elimination of Routine Flaring  
Frank Christiano, Project Engineer, Chevron Global Upstream & Gas
  - Colombia: Gas Capture, Compression, Utilization,  
and Linkage to Social Responsibility  
Krish "Ravi" Ravishankar, Director, Worldwide Environmental Affairs,  
Occidental Oil & Gas Corporation (Oxy)
  - Utilisation of High CO<sub>2</sub>-Content Flare Gas for Steam  
and Electricity Generation  
Santiago Pástor Morris, Technical Manager, E&P Ecuador, PESA
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11.00	Coffee Break
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11.30	<b>OPERATIONAL BEST MANAGEMENT PRACTICES</b>
	<b>Oil and Gas Methane Emission Reductions Best Practices</b>
	Don Robinson, Vice President, ICF International, on behalf of the Methane to Markets Partnership
	<b>Studies for Best Practices for Reducing Vented and Flared Gas</b>
	Moderator: Don Robinson, Vice President, ICF International, on behalf of the Methane to Markets Partnership
	<ul style="list-style-type: none"><li>• Micro-turbines: Low Volume/Pressure Gas Usage Gordon Smith, Senior Climate Advisor, BP</li><li>• Oil Production: Spills in the Air—Latest Technology to Identify, Measure and Recover Tank and Facility Emissions Larry S. Richards, President and CEO of Hy-bon Engineering Company, on behalf of the Methane to Markets Partnership</li><li>• Advanced Well Completion Technology to Reduce Methane Emissions and Use of Infrared Cameras for Leak Detection Phil Snider, Senior Technical Consultant, Marathon Oil Company</li><li>• Tank Inspection at Shell Refinery, Gothenburg, Sweden Johan Tegstam, Product Manager, FLIR Systems AB</li></ul>

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13.15	<b>PANEL DISCUSSION: INSTITUTIONALIZING GAS UTILISATION TECHNOLOGIES AND OPERATIONAL BEST MANAGEMENT PRACTICES</b>
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13.45	Forum Chairman's Concluding Remarks
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14.00	Lunch
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