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Main news

LNG: Processing

- BG Group plc will begin the development and construction of Queensland Curtis Liquefied Natural Gas project or QCLNG, near Gladstone in Australia's Queensland State.
- Santos Ltd. gave recently final approval to a liquefied natural gas terminal in Queensland State.

LNG: Supplies- Imports - Exports

- Bangladesh signed a deal to import some 4.0 million tonnes of liquefied natural gas annually from Qatar Petroleum.
- Gazprom Marketing and Trading Ltd and Gujarat State Petroleum Corporation Ltd concluded an agreement for the sale and purchase of about 0.3 million tonnes of LNG over a two-year period.

Natural Gas: Exploration – Discovery

- SIPC Myanmar Petroleum Co. Ltd's discovered recently gas reserves in the Pahtolon oilfield of at least 909 billion cubic feet, and potentially 7.16 million barrels of gas condensate.

Natural Gas: Production

- The Norwegian Petroleum Directorate said in its annual review: "Not enough new reserves are found to offset current oil and gas production".

Natural Gas: Processing

- GDF Suez and Sonatrach invited companies to pre-qualify to bid for a contract to build gas processing and production facilities at the Touat gas project in southwest Algeria.

Natural Gas: Supplies- Imports – Exports

- The President of the European Commission and the President of Azerbaijan signed a Joint Declaration on gas delivery for Europe.
- Azerbaijan and Iran signed an accord on a five-year natural gas supply deal under which Azerbaijan is to supply Iran with natural gas starting with 1 billion cubic meters in 2011.

Natural Gas: Storage

- Providence Resources completed the first phase of a study for the ULYSSES salt cavern gas storage project in the Kish Bank Basin off Dublin.
- The UK Competition Commission has provisionally declined a request to relax the rules governing Centrica's operation of the Rough storage facility.

LNG	:	Processing p. 2-3 / Transport-Distribution p. 3 / Supplies-Imports-Exports p.3
LPG	:	Processing p. 3
Natural Gas	:	Exploration-Discovery p. 4-5 / Production p. 5 / Processing p.5-6 Transportation-Distribution p. 6 / Supplies-Imports-Exports p. 6-7 / Storage p. 7 Use for Power Generation p. 8



LNG

PROCESSING

AUSTRALIA: Planned project – Approval – CNR50/2/1

BG Group plc announced recently that it will **begin immediately the development and construction of Queensland Curtis Liquefied Natural Gas project** or QCLNG, near Gladstone in Australia's Queensland state. The investment into the first phase of the project was finalized after it received the Australian Federal and State Government environmental approvals. The QCLNG project involves expanding exploration and development in southern and central Queensland and transporting gas through a 540 km underground pipeline network to Curtis Island near Gladstone where it will be liquefied. The LNG liquefaction and export facility will have an initial capacity of 8.5 million tonnes of LNG per annum with the potential to expand to 12 mtpa. The first

phase of the liquefaction plant will consist of two LNG trains with a combined capacity of 8.5 mtpa. The existing approvals encompass the construction of a third LNG train for expansion. The project is expected to start shipping supplies from 2014. BG Group noted that it will now issue final notification to the main contractors for the QCLNG project to proceed with the development. The contractors include Bechtel Oil and Gas, Inc., for the engineering, procurement and construction of the liquefaction plant, and WorleyParsons, for gas field facilities and infrastructure development. Meanwhile, the transmission pipeline network development will be handled by MCJV, which is a joint venture between McConnell Dowell Constructors (Aust.) Pty Ltd and Consolidated Contractors Co. (January 12, 2011)

AUSTRALIA: Planned Project – Engineering – CNR50/2/2

GDF Suez Bonaparte, operator of a joint venture with Santos Ltd. in the Bonaparte Gulf off northern Australia, **awarded contracts for pre-FEED of the Petrel-Tern-Frigate LNG project to KBR Inc.'s Granherne subsidiary and Doris Engineering**. The project will be designed to produce 2 million tonnes/year of LNG. A final investment decision is expected in 2014 leading to first LNG production in 2018. GDF Suez has 60% of the project and Santos, 40%. (January 12, 2011)

AUSTRALIA: Planned Project – Final Investment Decision – CNR50/2/3

Santos Ltd. gave recently final approval to a liquefied natural gas terminal in Queensland State. The Gladstone LNG project aims to ship up to 7.8 million metric tons of LNG to customers in

and Malaysia from 2015. **Gladstone LNG mainly aims to process coal seam gas**. Santos said it will now begin placing orders for items such as pipelines and equipment for the LNG plant, which will have two LNG trains. (January 12, 2011)

CYPRUS: Planned Project – CNR50/2/4

Delek proposed recently to the Cypriot government a joint cooperation in the creation of a multipurpose facility that **would receive and process gas into LNG**, and at a site proposed by the Cypriot authorities. The Israeli company is a partner of US player Noble Energy, which has reported large reserves of natural gas in two offshore fields within Israeli waters in the east Mediterranean since 2009. Noble also has a concession to drill for hydrocarbons in a field in Cypriot waters, close to the Israeli finds. Delek would supply gas from the offshore fields, Leviathan and Tamar, and suggested that any gas discoveries made offshore Cyprus could also be processed at the facility. (January 12, 2011)

INDONESIA: Existing Project – Output – CNR50/2/5

Maman Budiman, a spokesman at ExxonMobil's Indonesian unit said recently that **output from Arun LNG plant may fall to 29 cargoes in 2011 from 38 cargoes produced in 2010**. The lower

output is "because of a natural decline in gas production," Budiman said. Arun and Bontang in East Kalimantan produced more than 95% of the country's LNG in 2009. Arun will cease exports by 2014, according to Indonesia's Gas Balance 2010-2025 document. (January 7, 2011)

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NORWAY: Planned Project – Extension – CNR50/2/6

Statoil and its partners in the Snøhvit natural gas field in the Barents Sea decided recently to perform studies of possible concepts for building a new LNG plant in Hammerfest. **The expansion of the processing capacity in Hammerfest is called Snøhvit Train II.** Statoil said that the investment decision will earliest be made in late 2013. The new LNG-plant can then be expected to be in operation in 2018, at the earliest. **The new plant, to be built next to the existing plant,** will be fed with gas from a substantial development offshore involving new subsea templates, production wells and an additional new pipeline to Melkøya. The current LNG-plant produces 13,000 tons LNG, 2,000 tons condensate and 900 tons LPG each day in operation. (January 12, 2011)

TRANSPORTATION-DISTRIBUTION

CHINA: Planned Project – Engineering – CNR50/2/7

China State Shipbuilding Corporation (CSSC) signed recently a contract with **Exxon Mobil and Mitsui & Co., Ltd to build four LNG ships.** Hudong-Zhonghua Shipbuilding (Group) Co., Ltd,

a subsidiary of CSSC, will build the ships for Mitsui. The ships are scheduled for delivery between 2015 and 2016. The fleet will be used for shipping China's imports of liquefied natural gas from Australia and Papua New Guinea. (January 16, 2011)

SUPPLIES - IMPORTS - EXPORTS

QATAR to BANGLADESH: Supply Contract – CNR50/2/8

Bangladesh signed recently an accord to import some 4.0 million tonnes of liquefied natural gas annually from Qatar Petroleum to meet local demand. The imports, equivalent to a daily natural gas supply of more than 500 million cubic feet, would cost an estimated \$1bn to \$1.5bn per year, Bangladesh energy officials said. The LNG import will help Bangladesh augment gas supply to power plants to 1,050 mmcf daily from a present 850 mmcf and would help increase electricity generation, which stands at 4,000 MW against peak-hour demand of 6,000 MW. Bangladesh's gas demand now stands at 2,500 mmcf a day against daily supply of less than 2,000 mmcf, they said. (January 16, 2011)

RUSSIA to INDIA: Supply Contract – CNR50/2/9

Gazprom Marketing and Trading Ltd and Gujarat State Petroleum Corporation Ltd concluded recently an agreement for the sale and purchase of liquefied natural gas, officials said. Under the agreement, GM and T (via its wholly-

owned affiliate Gazprom Marketing and Trading Singapore Pte. Ltd) will **sell to GSPC about 0.3 million tonnes of LNG over a two-year period.** The LNG will be sourced from GM and T's diversified portfolio, with the first delivery planned for second half of 2011. (January 11, 2011)

LIQUEFIED PETROLEUM GAS

PROCESSING

AZERBAIJAN: Output – CNR50/2/10

According to **SOCAR, In 2010 Azerbaijan produced 214,000 tons of liquefied gas which is an increase by 40,700 tons over indicators for 2009.** In 2009 Azerbaijan produced 173,300 tons of liquefied gas. Compared to 2008 production has dropped by 7,830 tons. On the internal market 80% of liquefied gas extraction is consumed by transport and 15% by the population. (January 12, 2011)

NATURAL GAS

EXPLORATION – DISCOVERY

MYANMAR: Discovery – CNR50/2/11

SIPC Myanmar Petroleum Co. Ltd's ongoing exploration project in Magwe division discovered recently **gas reserves in the Pahtolon oilfield of at least 909 billion cubic feet**, and potentially 7.16 million barrels of gas condensate. SIPC Myanmar Petroleum Co. Ltd is a joint venture between Burma's state owned Myanma Oil and Gas Enterprise (MOGE) and Sinopec International Exploration and Production Corporation (SIPC), a wholly-owned subsidiary of China's Sinopec Group. The discovery has not been verified by an independent third party. (January 7, 2011)

RUSSIA: Exploration – CNR50/2/12

Gazprom and Rosneft are negotiating joint development of shelf projects via their joint venture Rosshelf, Rosshelf Deputy General Director Igor Khvedchuk said recently. Rosshelf, in which Gazprom and Rosneft hold 56.8% and 26.4% respectively, was set up in 1992 to develop the Russian maritime shelf. In 2006, Gazprom and Rosneft signed a strategic partnership agreement which envisaged cooperation on the country's shelf. In particular, **the companies were interested in development of the Koryakia-1, Koryakia-2 and Magadan-1, Magadan-2 and**

Magadan-3 areas located on the shelf under the Sea of Okhotsk and the Bering Sea. "Our priority is to get a license to develop Koryakia-1. Severo-Chukotsky and Longo- Chukotsky basins in the Chukchi sea are also very promising... I believe that Koryakia-1 is one of the most promising areas, where we can make important discoveries," Khvedchuk said. He said that three or four estimates showed that oil and gas reserves of Koryakia-1, located on the north-eastern part of the Okhotsk Sea, may amount to about 1.5-2 billion tons of oil equivalent. (January 13, 2011)

RUSSIA: Exploration – Agreement – CNR50/2/13

Rosneft and BP agreed recently to explore and develop three license blocks – EPNZ 1,2,3 – on the Russian Arctic continental shelf. These licences were awarded to Rosneft in 2010 and cover approximately 125,000 square kilometres in a highly prospective area of the South Kara Sea. BP and Rosneft have also agreed to establish an Arctic technology centre in Russia which will work with leading Russian and international research institutes, design bureaus and universities to develop technologies and engineering practices for the safe extraction of hydrocarbon resources from the Arctic shelf. **Rosneft and BP have agreed to continue their joint technical studies in the Russian Arctic** to assess hydrocarbon prospectivity in areas beyond the Kara Sea. (January 14, 2011)

UKRAINE: Discovery – CNR50/2/14

Kulczyk Oil Ventures (KOV) said recently that the gas test at the KUB-Gas M-19 well in Ukraine has been successful. **The well, which is located approximately 2km from the Makeevskoye field. The well produced at 5mmscf/d of**

natural gas through a 10mm choke when tested. KUB-Gas has initiated the processes to obtain the necessary regulatory approvals for construction of a pipeline and tie-in of the M-19 well. (January 10, 2011)

UNITED KINGDOM: Discovery – CNR50/2/15

Total E&P UK made recently a new gas and condensate discovery in the **West of Shetland** on the United Kingdom Continental Shelf, close to the currently under development Laggan and Tormore fields. **The Edradour exploration well lies in block 206/4.** Full formation evaluation, including an extensive sampling programme, has been undertaken. Once the appraisal phase is completed, studies will be launched to consider the development of these new resources through the Laggan and Tormore facilities. Total has a 75% operating interest in the Edradour licence, with DONG E&P UK Limited (DONG) holding the remaining 25%. (January 10, 2011)

UNITED STATES: Discovery – CNR50/2/16

Entek Energy Limited said recently that its **GA A133 well in the Gulf of Mexico** is now being temporarily suspended, awaiting tie in to production. The well is expected to have an initial production rate in the range of 10 to 20 MMCFD. **The hydrocarbon resource potential of GA A133 ranges from 2 Bcf of 3P reserves (certified by Ryder Scott) up to 18 Bcf of prospective resource.** Based upon the results of this well, a plan of development is being prepared, taking into consideration weather windows and the anticipated increase in gas price towards the end of 2011. First production could be as early as end second quarter 2011. (January 6, 2011)

VIETNAM: Discovery – CNR50/2/17

JX Nippon Oil & Gas Exploration Corporation announced recently that its affiliate, Nippon Oil Exploration (Cuu Long), Ltd., has made a **gas-condensate discovery in Block 16-2, offshore Vietnam.** The gas-condensate discovery was

made with the second exploration well drilled in Block 'HMX-1X'. The joint venture plans to implement further exploration and appraisal programs to evaluate the commercial development of Block 16-2. (January 5, 2011)

PRODUCTION

BRAZIL: Planned Project – Engineering – CNR50/2/18

Petrobras announced recently a tender for chartering **two floating production storage and offloading vessels for installation in the Guar-Norte** (in block BMS-09) and Cernambi (in block BMS-11) pre-salt reservoirs in the country's Santos Basin. The floaters have each been designed to handle up to 150,000 barrels of oil and 8 million cubic meters of gas per day. The new FPSOs, expected to put to work in 2014, are part of the first production development phase of Guar-Norte and Cernambi. (January 10, 2011)

NORWAY: Output – CNR50/2/19

The **Norwegian Petroleum Directorate** said recently in its annual review. "Production is declining in spite of vigorous (prospecting) activity. **Not enough new reserves are found to offset**

current oil and gas production". "The volume of undiscovered resources has been reduced from 3.3 to 2.6 billion standard cubic metres of oil equivalents" (January 13, 2011)

PAKISTAN: Planned Project – CNR50/2/20

President Asif Ali Zardari issued recently **directives for immediate reactivation of abandoned gas fields in Sindh.** Sindh Chief Minister on Information Sharmila Farooqui said the President had asked gas companies and other departments concerned to prepare an effective mechanism for the reactivation of these fields so that natural gas could be available to industrial, commercial, captive power units and domestic consumers. (January 12, 2011)

PROCESSING

ALGERIA: Planned Project – Engineering – CNR50/2/21

GDF Suez and Sonatrach invited recently companies to **pre-qualify to bid** for a contract to build gas processing facilities. **The invitation is for the gas processing and production facilities at the Touat gas project in southwest Algeria.** A source said that peak production at the Touat gas fields will reach 4.5 billion cubic meters of gas a year. Sonatrach and GDF Suez will jointly develop the Touat field. Around 40 production wells will be drilled. (January 7, 2011)

CANADA: Planned Project – Engineering – CNR50/2/22

AltaGas recently let a contract to **IMV Projects**, a Wood Group for the engineering, procurement, and construction management for the **Gordondale sour gas processing plant and associated gas gathering.** The 120-MMcfd plant will lie about 100 km northwest of Grande Prairie in the Gordondale area of the Montney shale gas play. It will be on stream by fourth-quarter 2012, following regulatory approval. (January 11, 2011)

QATAR: Planned Project – Engineering – CNR50/2/23

Hyundai Heavy Industries received recently a **letter of award (LOA) for a deal to execute the offshore part of Barzan Gas Project** in Qatar. The project will be located 80 km northeast of Ras Laffan Industrial City, Qatar. As an EPC contractor, Hyundai Heavy will carry out engineering, procurement, fabrication, transportation, installation, hook-up, and

commissioning of offshore facilities including three offshore wellhead platforms, 300 km of subsea pipelines and 100 km of subsea cables by the end of 2013. The Barzan Project consists of onshore and offshore gas-processing facilities to be operated by RasGas Company, a joint venture between Qatar Petroleum and Exxon Mobil. The project, which will produce 1.9 billion cubic feet a day of gas, will come on stream in 2014. (January 11, 2011)

UNITED STATES: Planned project – Agreement – CNR50/2/24

Dominion recently reached agreement with PPG Industries on an option for Dominion to buy land at PPG's Natrium, W.Va., site for **construction of a 300 MMcfd natural gas processing plant**. Dominion Transmission plans to process gas and separate NGLs. The plant will also have fractionation capacity for up to 38,000 b/d of NGLs. Natrium, on the Ohio River in Marshall County about 9 miles north of New Martinsville, W.Va., is close to Dominion's TL-404 pipeline, an existing transmission line in Ohio and West Virginia that Dominion plans to convert into wet-gas service. (January 12, 2011)

UNITED STATES: Planned Project – CNR50/2/25

MarkWest Liberty Midstream & Resources said recently that it **will construct a midstream 120 million cubic feet per day cryogenic gas processing facility** and associated natural gas liquids (NGL) pipeline by mid 2012 in **Logansport, West Virginia**. EQT has substantial

rich-gas Marcellus acreage in northern West Virginia and has contracted with MarkWest Liberty for the majority of the Logansport plant capacity. The NGLs recovered at Logansport will be transported through pipeline to MarkWest Liberty's fractionation, storage, and marketing complex in Houston, Pennsylvania. (January 5, 2011)

TRANSPORTATION-DISTRIBUTION

THAILAND: Planned project – Engineering – CNR50/2/26

Executive vice president Wichai Pornkeratiwat said recently that **PTT hired a contractor for an offshore pipeline from Rayong to Kaeng Khoi in Saraburi**, which will have a capacity of 1.2 billion cubic feet per day. PTT also has a plan to lay two gas pipelines to Nakhon Sawan and Nakhon Ratchasima. (January 14, 2011)

UNITED STATES – Planned Project – Cancellation – CNR50/2/27

Clatsop County's Board of Commissioners recently **withdrew a permit for the controversial Oregon LNG pipeline on the Skipanon Peninsula**. Oregon LNG's proposed liquefied natural gas terminal in Warrenton is one of two LNG import projects currently on the table in Oregon. (January 14, 2011)

SUPPLIES - IMPORTS - EXPORTS

AZERBAIJAN to EUROPE: Supply Talks – CNR50/2/28

The **President of the European Commission José Manuel Barroso** and the **President of Azerbaijan Ilham Aliyev** **signed recently a Joint Declaration on gas delivery for Europe**. Under its terms, Azerbaijan commits in an official document to supplying substantial volumes of gas over the long term to the European Union, while Europe provides access to its market for them.

The declaration stipulates that Azerbaijan will provide sufficient gas to enable the creation of the Southern Corridor, while the EU and Azerbaijan together will provide the infrastructure to supply gas to Europe. The Southern Gas Corridor entails the construction of several pipelines, such as Nabucco, ITGI, White Stream and TAP. The Commission states that in the next months Azerbaijan will make a further decision on which of these pipelines to prioritize. (January 13, 2011)

AZERBAIJAN to IRAN: Supply Contract – CNR50/2/29

Azerbaijan and Iran signed recently an accord on a five-year natural gas supply deal under which **Azerbaijan is to supply Iran with natural gas starting with 1 billion cubic meters in 2011**. Supply amounts will increase in the ensuing four years. The accord was signed between SOCAR and National Iranian Gas Company. Azerbaijan and Iran are connected by a 1,474.5-kilometer gas pipeline which has a designed capacity of 10 billion cubic meters of natural gas per year. The 1,200- millimeters-in-diameter pipeline starts from Astara and ends at Biand. (January 13, 2011)

INDONESIA: Gas Demand– CNR50/2/30

BPMigas recently ensured that **industrial companies will receive sufficient gas supply in 2011**. The agency will ramp up the gas supply from the 2010 level of 1,203.18 million standard cubic feet per day to 1,690.43 mmscfd in 2011, as stipulated in the 2011 natural gas supply contract, BPMigas spokesperson Gde Pradnyana said. The agency's official data said that according to 2011 natural gas supply contract, 4,366 mmscfd, 56.78 percent, of the total sales of 7,688 mmscfd would go to the domestic market with the remaining 43.22 percent, about 3,322 mmscfd, for exports.

In 2010, the gas sold in the domestic market totalled 4,342.7 mmscfd, 50.18 percent, of the total sales which reached 8,654.29 mmscfd. Despite guarantees from BPMigas, the Indonesian Businessmen Association (Apindo) chairman Sofjan Wanandi said many industries reported that they had not secured sufficient gas supply for their 2011 operations. According to the forum of gas users in the industrial sector (FIPGB), the gas supply industries totalled only 583 mmscfd in 2010, far lower than the actual need of about 801 mmscfd. (January 13, 2011)

IRAN to TURKEY: Export – Capacities – CNR50/2/31

National Iranian Gas Export Company reported recently that **Iran exported some 8.25 billion cubic meters of natural gas to Turkey in 2010**, showing around 50 percent rise year on year. The gas network between the two countries has the capacity to increase the annual transfer of gas up to 15 billion cm.

STORAGE

IRELAND: Planned Project - Feasibility – CNR50/2/32

Providence Resources recently said it has **completed the first phase of a study for the ULYSSES salt cavern gas storage project in the Kish Bank Basin off Co Dublin**. The ULYSSES Project, which commenced in 2008,

assessed the natural gas storage and carbon sequestration potential of the Kish Bank Basin, offshore Dublin. "A number of scenarios have been developed which have an associated range in capacity, off-take export rates and capital expenditure," Providence said. (January 10, 2011)

IRELAND: Planned Project – Engineering – CNR50/2/33

Petrofac recently acquired a **20% interest Gateway Storage Co. Ltd**, the developer of the 1.5bn cubic metre salt cavern gas storage facility in the East Irish Sea. **Petrofac will join Gateway as the technical project operator** and will be jointly responsible for developing the project ahead of a final investment decision in 2011. Gateway Storage is targeting 2016 for the commencement of storage services to the UK energy market. (January 10, 2011)

UNITED KINGDOM – Planned Project – Approval – CNR50/2/34

The UK Competition Commission has provisionally **declined a request to relax the rules governing Centrica's operation of the Rough storage facility**, although it is to hold a new consultation on the potential adjustment of the maximum capacity Centrica can book at the facility. "While market conditions have changed, Centrica's ownership of Rough would still give it

significant market power, which it could in particular use to discriminate in giving access to capacity at Rough, to the disadvantage of its competitors in retail gas supply," said Roger Witcomb, the deputy chairman of the Competition Commission and member of the Centrica Review group. However, the Commission did recommend allowing Centrica the right to buy extra capacity at Rough above the 15pc it is currently permitted. (January 12, 2011)

Platts 5th Annual European Gas Storage
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Platts **5th Annual European Gas Storage** conference will once again assemble the industry's leading operating companies, traders, governments, national and regional regulatory bodies, investors and market observers to examine the key challenges as well as highlight potential opportunities.

The speaker line up is exceptional including:

- *Jean-Marc Leroy, Chief Executive Officer, Storengy, President, **Gas Storage Europe (GSE)***
- *Thorsten Dinkela, Head Business Development N&W Europe, **Shell Energy Europe and Shell International Trading and Shipping Company***
- *Jan Ingwersen, Vice President - Infrastructure & Regulatory Affairs, **DONG Energy Markets***
- *Francisco de la Flor, Director of Regulation, **Enagas***
- *Zoltán Jászberényi, Member of the Board, **E.ON Földgáz Storage***
- *Giuseppina Squicciarini, Head of Regulatory Economics, **Ofgem***
- *William Powell, Senior Editor, **International Gas Report, Platts***
- *Rick Lorio, Founder and Chairman, **Continental Gas Storage***
- *Walter Boltz, Chairman, **E-Control**; Vice Chair, **ACER'S Regulatory Board***
- *Michael D. Felt, Senior Vice President, Worldwide, Onshore Operations, Transportation, Terminals and Storage Division, **UniversalPegasus International***
- *István Gáti, Chief Executive Officer, **MMBF***
- *Dr. Christian Hurman, Senior Associate, **Financial Engineering Associates***
- *Albert Haak, Gas Storage Manager, **Trans Adriatic Pipeline AG***
- *Bruno Leray, Managing Director, **Storengy U.K.***
- *Anne-Sophie Corbeau, Senior Gas Analyst, **International Energy Agency (IEA)***
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- *Sergio Ascari, Gas Advisor, **Florence School of Regulation***
- *Kevin Bortz, Director - Natural Resource, **EBRD***
- *Vera Blei, Editorial Director, **European Gas and Power, Platts***
- *Martin Burdett, Editor, **Energy in East Europe, Platts***

Complimentary methodology forum — European LNG and gas markets

As an add-on to the conference program, on the afternoon of day 2, Platts experts will be holding a complimentary methodology forum on European LNG and gas markets. For more information or to register, please [contact us](#).

Please note you do not have to attend the conference to come to the forum.

For more information and to register please quote PC162CED and contact Stacey Knox:

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USE FOR POWER GENERATION

SOUTH KOREA: Planned Project – Engineering – CNR50/2/35

Siemens secured recently an order from **GS Electric Power and Services** to supply gas turbines for the **400MW Bugok 3 natural gas-fired power plant** in South Korea. The combined-cycle power plant is expected to start operation in 2013. (January 13, 2011)



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