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7th Forum on
Coal Gasification, UCG,
IGCC, CTL & CCS

7th CTLtec Asia

16-17 MARCH 2010 | China
Crowne Plaza Park View Wuzhou Beijing

"Monetising Clean Coal Under Tough Economics"

China Shenhua Coal to Liquid and Chemical Co. Ltd.
Yankuang
VINACOMIN – Songhong Energy
Linc Energy
Ministry of Coal, India, P. R. Mandal
SAMJONG KPMG Advisory Inc.

Nexant China
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Clean Coal Engineering and Research Center of
Coal Industry
Ministry of Energy and Mineral Resources, Indonesia

Bayer Technology & Engineering (Shanghai) Co., Ltd.
China BlueChemical Co. Ltd.
Petrochina
Thermal Power Research Institute (TPRI) &
GreenGen Ltd

promotion partners



Day 1 - Tuesday, 16 March 2010

8:00 Registration and Coffee

9:00 Chairman's Welcome and Remarks

9:10 Post Copenhagen and Perspective on What's Ahead for Clean Coal and CCS

Kim Sungwoo, Head of Sustainability Division/
Managing Director
SAMJONG KPMG Advisory Inc.

9:40 Progress of Shenhua Direct Coal Liquefaction (CTL) Demonstration Project

Dr Shu GePing, Chief Engineer, Ordos Coal Branch
China Shenhua Coal to Liquid and Chemical Co. Ltd.

10:10 From China to Asia: Growth Opportunities in the Post Subprime Era

- China's economic re-balancing and impact on Asian growth
- How to unleash China's consumption power?
- Internationalising the Renminbi, what does it mean?

Chi Lo, Director
Research, Asset Allocation and Investment
Ping An of China Asset Management (HK) Ltd

10:40 Discussion followed by Networking Coffee

11:10 Coal to Chemicals – Technology, Economics & Markets

Dr Larry Song, General Manager
Nexant China

11:40 Coal Polygeneration (Liquid Fuels, Chemicals - Methanol/DME & etc) Prospects & Developments in Indonesia

Nining Sudininingrum
Ministry of Energy and Mineral Resources, Indonesia

12:10 Yankuang's CTL Project Updates & Perspective on CO₂ Management

Zhang Minglin, General Manager
Yankuang

12:40 Discussion followed by Networking Lunch

14:00 Underground Coal Gasification (UCG): Taking Off in Asia Pacific?

- Rationale of UCG vs other options, Economics
- Current projects and Potential
- Technological Advancement & Limitations?

Vietnam – Pearl River Delta's Project

Tran Viet Su, Deputy Director General
VINACOMIN – Songhong Energy

Australia - Linc Energy's Project Experience & Aspiration in UCG Technologies

Justyn Peters, General Manager
Government & Environment Affairs, *Linc Energy*

China

India

Ministry of Coal, India, P. R. Mandal

16:00 Discussion followed by Networking Tea

16:30 Evaluation of CTX's Efficiency, Economy and Environment

Prof Chen Guifeng, Director
Clean Coal Engineering and Research Center of Coal Industry

17:00 Financing Options & Availability/ Restriction for Clean Coal Project

- Macro economic outlook
- Funds availability
- Criteria for bankable project
- Environmental requirements

17:45 Discussion followed by End of Day One

Day 2 - Wednesday, 17 March 2010

9:00 Chairman's Remarks

9:05 Coal to Gas (CTG) - A "Clean Coal" Feasible Choice of Existing Urea/ Methanol Plant

Prof. Chen Buning, CTO
China BlueChemical Co. Ltd.

9:30 Clean Coal Chemistry in Calcium Carbide

Dr. Matthew Targett, Head of Innovation Management
Bayer Technology & Engineering (Shanghai) Co., Ltd.

9:55 Competitiveness of China's Coal Based Methanol Projects and Application in Downstream Energy Sector

Li Jianxing
Petrochina

10:20 Discussion followed by Networking Coffee

10:45 Tentative Study on CO₂ Treatment for Coal Liquefaction

Wang Heiming, Vice GM
Ordos Coal Liquefaction Branch
China Shenhua Coal to Liquid and Chemical Co. Ltd.

- 11:10 **Progress of Huaneng's Post Combustion CO₂ Capture Pilot Project (Power Generation)**
Dr Xu Shisen, CTO
Thermal Power Research Institute (TPRI) & GreenGen Ltd
- 11:35 **Economics of Current CO₂ Capture Technologies**
- 12:00 **Investigation of CCS Projects in China and Other Asia Areas**
 - CCS project status in China
 - CCS project status in other Asia Areas
 - Key outcome of the investigation
 - Conclusion and recommendations on CCS development*Hu Di, Manager of Power Projects*
MasionWorleyParsons
- 12:30 Final discussion followed by Networking Lunch
- 14:30 End of Conference

Established since 2004, CMT presents **7th CTLtec ASIA**, the annual international forum for stakeholders and key players in Coal Polygeneration, Gasification, UCG, Coal chemicals, CTL and CCS, to be held in Beijing, on 16 – 17 March 2010.

"Dow Chemical Co (DOW) and Shenhua Group, China's largest coal miner, will reportedly move ahead with their planned \$10 billion coal-to-chemical project in Shaanxi province after a delay of at least one year."
Reuters, 05 Nov 2009

China's NDRC recently announced that to-date, planned CTL production capacity has surpassed 40million metric tons/year, while coal to olefins and other coal gasification projects has amounted to 20 million metric tons/year and 25 billion cubic meter/year. This is equivalent to investment value of over 1 trillion yuan. Although NDRC cautioned that no new pilot projects in this sector will be approved in the coming 3 years, these previously approved projects, when come on-stream, would already generate quantum leap to China's coal to fuels and chemicals production capacity.

"RI and Sasol to study coal-to-liquid project"
~ The Jakarta Post, 4 Dec 2009

India and Indonesia, both endowed with coal, are embarking into coal polygeneration projects, such as underground coal gasification (UCG) and coal to liquids (CTL) or DME. Sasol and Indonesia's Investment Coordinating Board (BKPM) has inked a MoU to conduct a feasibility study on potential CTL facility in Indonesia. And in India, progress has been made with UCG technology, that offers to full utilize the coal resources from otherwise unrecoverable coal deposits in an economically viable and environmentally safe methods.

To assess the present dynamics of market in transition, attend **CMT's 7th CTLtec ASIA 2010**. This conference offers top industry panel, decision makers and market players to discuss issues and challenges ahead. Mark your calendar to be at this premier gathering to network and forge lasting business opportunities.

Attend CMT's 7th CTLtec ASIA 2010 to:

- Meet key coal producers and coal polygeneration companies from **China, India, Vietnam, Indonesia, Australia** and even **Africa** on coal and coal-chemicals production and potential
- Unfold the potential of **Underground Coal Gasification (UCG)** from practical experience
- Latest on Post Copenhagen and evaluate the fate on clean coal and CCS
- Be updated on **Shenhua DCL, Yankuang CTL** projects and their plans for CO₂ management
- Learn from **Huaneng's** experience in **Post Combustion CO₂ Capture**
- Assess Asia and China's economic climate, and how this will impact on the coal polygeneration sector
- Cross examine **feedstock economics**, on current pricing of coal vs crude oil, etc
- Evaluate technologies and outlook on **synthetic natural gas (SNG), DME, methanol** and downstream petrochemicals
- Grasp the latest on technologies development and projects on **gasification technologies (and IGCC) & CO₂ capture**
- Be updated on CCS projects undergoing in Asia, status and recommendations
- Access to more than 8 hours of networking opportunities with key stakeholders including coal producers and coal-conversion project owners, national oil companies, oil majors, gasification technologies providers and etc

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The full Registration Fee includes cost of all sessions, luncheon, coffee/tea & documentation.

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Cut-off date: 15 February 2010

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