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4th Annual Coal Conversion Technologies & Commercialization Conference

CTLtec 2007

14 - 15 March • Beijing, China
Hilton Hotel

“Coal to Energy – It’s a global business now!”

GLOBAL trends in **Coal Gasification, Coal-to-Liquids and Coal-to-Chemicals**

Distinguished panel:

- Shenhua Group
- QGX Ltd
- Shell China
- Beijing Coal Chemistry Research Institute
- Süd-Chemie
- GE Energy
- UCG Engineering
- XinAo Group
- Altona Resources
- IEA Clean Coal Centre
- Shandong Yankuang Group
- Sasol China
- Linde Group
- Albemarle Catalysts
- International Financial Corporation (IFC)
- Synfuels China
- CHOREN-CNOOC Gasification Engineering Technology
- Nexant, Inc.
- China Coal Transport & Distribution Association
- Air Products Asia

supporting publications



第四届中国煤制油、液化、化工及气化技术国际研讨会

❖ simultaneous sessions in English and Mandarin

organised by



Centre for Management Technology®
Info our 24th year

Day 1

14 March - Wednesday

- 8:00 Registration & coffee
- 9:00 Chairman's welcome and introduction
Dr Tan -Ping Chen
Sr. Vice President, Bechtel Fellow
Energy Technology Business Line
Nexant, Inc.
- 9:15 **SHENHUA'S COAL CONVERSION DEVELOPMENTS & OPPORTUNITIES**
Dr. Zhang Yuzhuo, Vice President of **Shenhua Group Corporation** and Chairman of **China Shenhua Coal Liquefaction Corporation**
- 9:50 **CHALLENGES FOR COAL TO LIQUIDS INDUSTRY AND GOVERNMENT SUPPORT**
Chen Liming, Executive Vice President, **GAPA Sasol China**
- 10:20 Discussion followed by coffee
- 10:50 **CHINA'S COAL DEMAND AND OUTLOOK**
 - Domestic vs Int'l Pricing
 - Potential of imports into ChinaHao Xiangbin, Deputy Director
China Coal Transport & Distribution Association
- 11:20 **QGX LTD: BARUUN NARAN—A RAPIDLY DEVELOPING CTL PROJECT IN THE GOBI DESERT OF MONGOLIA**
Paul Zweng, CEO
QGX Ltd
- 11:50 **THE ARCKARINGA COAL TO LIQUIDS PROJECT - THE RIGHT PROJECT AT THE RIGHT TIME FOR SOUTH AUSTRALIA**
Chris Schrape, Managing Director
Altona Resources
- 12:20 **ASU SOLUTIONS FOR CTL IN CHINA**
Stephen Mogck, Director, ASU Plant Sales-Asia
Air Products Asia Inc.
- 12:50 Discussion followed by lunch

Luncheon Hosted by



Program topics, speakers and schedules listed herein are confirmed as at printing time. Please refer to the event's **Latest Schedule** at www.cmtevents.com for most up-to-date details.

COAL GASIFICATION

- 2:15 **COMMERCIALISATION EXPERIENCE OF GE'S GASIFICATION TECHNOLOGY**
Dr Zhuang Qianlin
Commercialization Manager, China
GE Energy
- 2:45 **COAL GASIFICATION POTENTIAL IN INDIA**
- 3:15 **CHOREN-CNOOC'S GASIFICATION TECHNOLOGY & MARKET APPROACH**
Conrad Büchelers, General Manager
CHOREN-CNOOC Gasification Engineering Technology Co., Ltd.
- 3:45 Discussion followed by tea
- 4:15 **THE SYNGAS ISLAND: SYNTHESIS GAS GENERATION AND PROCESSING FOR COAL CONVERSION PROJECTS**
Brian Davies, Process Integration Manager
Linde Group
- 4:45 **COMMERCIALIZATION OF UNDERGROUND COAL GASIFICATION**
Dr. Michael Green, CEO
UCG Engineering Ltd
- 5:15 **PROJECT FINANCING FOR MAJOR COAL CONVERSIONS PROJECTS**
Hyun-Chan Cho, Senior Investment Officer
Oil, Gas, Mining & Chemicals
IFC
- 5:45 End of day one followed by networking reception

18:00 - 19:00 ~ *Networking Reception*
Hosted by

SÜD-CHEMIE
Creating Performance Technology



Day 2

15 March - Thursday

- 9:00 Chairman's remarks
Prof. Li Yong Wang, Director
Synfuels China

COAL TO LIQUIDS & COAL TO CHEMICALS

- 9:10 **SYNFUELS CHINA AND ITS DEVELOPMENT IN ADVANCED CTL PROCESS TECHNOLOGIES**
Prof. Li Yong Wang, Director
Synfuels China
- 9:40 **UPDATES ON CTL PROJECTS**
Zhang Minglin, Deputy General Manager
Shangdong Yankuang Group

10:10 **GLOBAL ENERGY RESOURCES AND CONSTRAINTS ON CTL DEVELOPMENT**
Gordon Couch, Senior Consultant
IEA Clean Coal Centre

10:40 Discussion followed by coffee

11:10 **DOWNSTREAM COAL PROCESSING: COAL TO CHEMICALS (METHANOL, OLEFINS)**

- Projects, Economics & Productions
- Opportunities and environmental issues

12:00 **SHELL'S INVOLVEMENT IN DEVELOPMENT OF COAL CONVERSION TO LIQUIDS IN CHINA**
Geok Yong
Project Director, Ningmei CTL Project
Shell China

12:30 Discussion followed by lunch

Luncheon Hosted by



2:00 **OPTIONS IN PRODUCTION OF CLEAN FUELS AND CHEMICALS FROM COAL**
Authored by: Dr X.D. Hu & Mr Tom Pusty
Süd Chemie

2:30 **DIRECT VS INDIRECT COAL LIQUEFACTION ECONOMICS & FEASIBILITY**

3:00 **ISSUES ON THE DEVELOPMENT OF CTL IN CHINA**

- Orientation and specification of CTL products
- Requirement essential for CTL in China
- Technical risks during demonstration

Dr Xu Zhengang, Deputy Director
Beijing Coal Chemistry Research Institute

3:30 Discussion followed by tea

4:00 **COAL TO DME – THE ENVIRONMENTALLY FRIENDLY FUELS**
Zou Benzhen
Vice Chairman, Strategy Committee
XinAo Group Co. Ltd.

4:30 **ALBEMARLE'S DEVELOPMENTS IN CTL CATALYST TECHNOLOGY**
Brian Kneale
Development Manager, CTL Catalysts
Albemarle Catalysts

5:00 **CTO: METHANOL-TO OLEFINS PROCESS TECHNOLOGY**

5:30 Final discussion followed by end of conference

Network with

Presidents, CEOs, VPs & Directors, Analysts, General Managers, Commercial Managers, Business Development Executives, Research Directors, Sales & Marketing Managers, Technical Advisors involved in: Coal, CTL/GTL, Gasification, Liquefaction, Refinery Industrial Gas, Chemicals, Methanol, Olefins, Chemicals Catalysts, EPC, Power, Engineering Companies, Lubricant Companies, Gas Separation, Equipment and Technologies providers



"New EIA Outlook Reflects Energy Market Shift towards Nuclear, Biofuels, Coal-to-Liquids, and Accelerated Efficiency Improvements"
~ U.S. Department of Energy, 5 Dec 2006

Even as crude price hovers at USD60 mark, alternative energy projects are gaining strength. China is trying to develop coal-based fuel to reduce its reliance on oil imports and cut key pollutants by 10% by 2010. The roadmap to achieve this include plans to build the largest coal-based DME plant, Sinopec's spearheading a \$2.6bn clean coal project and Chinacoal's acquisition of Harbin coal-to-petrochemicals plants.

"Coal use for new electric generating capacity and CTL production grows rapidly. Coal consumption in the electric power sector is projected to increase from 25.1 quads in 2020 to 31.1 quads in 2030, and coal use at CTL plants is projected to increase from 0.4 quads in 2020 to 1.8 quads in 2030."
~ U.S. Department of Energy, 5 Dec 2006

Coal conversion is bustling with new project announcements across the globe from US, Europe, China, Australia. U.S. Department of Energy funded two projects to further develop a proprietary CTL technology. Meanwhile, NDRC's latest circular puts in the queue poles to calm the overheating CTL industry. With this move to ensure a healthy development of the industry, NDRC will now only approve coal-liquefaction projects that have annual capacity above 3 million tons. Is this a positive sign for major CTL projects and foreign ventures?

Rising oil prices have also prompted the chemical industry to look to coal as a possible feedstock. Available downstream processing technologies such as coal to methanol, methanol to olefin (MTO) and development in DME has provided chemical producers new channels to obtain high-value chemicals from coal. How will the sort deal with the environment issues?

With more projects coming on stream, how can technology providers gain the competitive advantage in this sector? What other potential can we harness from coal conversion and CTL? What is the outlook of China's coal market and is there import potential in China?

CMT's CTLtec 2007 provides insights to the latest in coal conversions, from projects economics, financing to technologies. Distinguished panel of speakers will share on the following:

- Analysis of coal conversions projects and impact on global demand/supply balance
- CTL projects updates from key stakeholders from China/Asia and the US.
- More coal gasification prospects ahead
- Coal to Chemicals economics and projects status

Presenting a complete and up to date overview of the industry, **CTLtec 2007** features key organisations and senior decision makers, providing attendees with exceptional networking and business opportunities.

A must attend event for your 2007 calendar

Don't hesitate! Register online @ www.cmtevents.com with your team

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This event is an excellent platform to promote your organization to influential players and investors in the industry. Raise your presence, enhance your corporate image and increase your business potential by meeting the key decision makers in the industry. Sponsorship opportunities available include Corporate, Luncheon, Networking & Documentation Sponsorship. Exhibition/Catalogue Display can also be arranged upon request. Call us today at (65) 6346 9132 or email cynthia@cmtevents.com for more information.

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

	1 Person	3 or more (from the same company)*
Early Bird Fee *Register & Pay before 13 Feb 07	USD1,395 (SAVE USD100)	USD1,195 (MIN SAVINGS OF USD900)
Regular Fee	USD1,495	USD1,295 (MIN SAVINGS OF USD600)

*terms and conditions apply

Cancellations, Refunds & Transfers: A full refund will be promptly made for all written cancellations 3 weeks before the meeting. Thereafter, cancellations are not refundable. A substitute may be made at any time.

Photocopy Registration Form to Preserve Brochure Copy, March, 2007

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CONFERENCE VENUE

CMT has arranged a special discounted room rate at RMB 1,250 + 15% (Single) per room per night inclusive of daily American breakfast (subject to room and rate availability) for delegates at **Hilton Beijing**.
 Cut off Date for Room Booking: 13 February 2007

Please reserve your room with the hotel directly, providing full credit card number and expiry date to:

Ms Catherine Chen
 Hilton Beijing, 1 Dong Fang Road, North Dong Sanhuan Road
 Chaoyang, Beijing 100027, China
 Tel: **86 10 5865 5224** Fax: **86 10 6465 3051**
 Email: **catherine.chen@hilton.com**

~ CMT'S UPCOMING 2007 EVENTS ~

Biofuels & Feedstocks Indonesia

30-31 January 2007 • Jakarta

"Indonesia: Poised to Become a Major Biofuels Player"

2nd Aromatics & Derivatives

MidEast/S.AsiaMarkets

30-31 January 2007 • Abu Dhabi

"Aromatics business is a balancing act – can Middle East score?"

Asia Fuels 2007

Gasoline & Middle Distillates

1-2 March 2007 • Singapore

"Future of crude & clean products in Asia"
"Sustaining profitability in a volatile market"

2nd Methanol

Markets & Technology

5-6 March 2007 • Dubai

"Profiting from Methanol: Capturing Value from Changing Markets, Technologies and Economics"

6th Annual Gas-to-Liquids Technology & Commercialization Conference & Exhibition

22 - 23 January

Sheraton Doha Hotel & Resort

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