

BIOMASS PELLETS

Trade & Power

9-12 Sept 2013 SEOUL, South Korea

formerly known as
4th Biomass Pellets Trade Asia



Centre for
Management
Technology®
into our 30th year

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Day 1 - 9 Sep 2013, Monday

- 08:00 Registration and Coffee
- 08:45 Chairman's Remarks
- 08:50 Keynote Address I By:
*Mr. Chang Joo Ok, President & CEO
Korea East-West Power Co Ltd*
- 09:05 Keynote Address II By
*Mr. Wye Ern, Timothy Ong, Interim
Chairman for Pellet Association Malaysia
and Vice President, Strategic Innovation
Agensi Inovasi Malaysia
(National Innovation Agency Malaysia)*
- 09:15 **Development of Korea's Wood Pellets Market (Industrial, Home Use, etc) & Growth Outlook**
*Prof. Gyu-Seong Han, Professor
Chungbuk National University
(Forest Product Marketing Center)*
- 09:40 **Development of Wood Pellets Usage in Japan**
*Mr. Ken Kojima, Managing Director
Pelletclub Japan*
- 10:05 **China's Biomass to Power - Project Development & Outlook**
*Mr. Zhuang Huiyong
S&T Development Dept. Manager
National Bio Energy Co Ltd*
- 10:30 Discussion followed by Networking Coffee
- 11:10 **Rules on Imports of Biomass into South Korea**
Senior Official, Ministry of Environment
- 11:40 **Korea Forest Service's Policy of Forestry Biomass for Energy Generation**
Senior Official, Korea Forest Service

- 12:10 **Korean Gencos' Perspective – Current Projects (Co-Firing, Dedicated, etc), Roll-outs of Biomass Utilization for Power Generation, Expectations on Wood Pellet/Biomass Imports**
*Mr. Hwang Sunkoo, General Manager,
Overseas Business Development Division
Korea Southern Power Co (KOSPO)
Mr. Yonggyun Roh, General Manager,
New Business Development Team
Korea East-West Power Co Ltd*
- 13:10 Discussion followed by Networking Lunch
- 14:30 **Global Wood Pellets Supply - Market Dynamics & Trading Opportunities**
*Mr. Nick Tsirigotis, Manager
Renewable Fuels Trading, EDF Trading Ltd*
- 14:55 **Malaysia's National Biomass Strategy 2020: Critical Role of P.A.M. in Unlocking Malaysia's Biomass Potential & Fulfilling Asia's Regional Renewable Energy Targets**
*Mr. Bas Melssen, Executive Vice President –
Strategic Innovation Projects
Agensi Inovasi Malaysia (National
Innovation Agency Malaysia)*
- 15:20 **Korea's Biomass Pellet Perspective & Potential Collaboration with South East Asia Regions**
*Mr. JP Jaepil Song, President of Southeast
Asia Division, Eco-Frontier
Mr. Per Dahlen, SVP BioRenewables
Dovre Group*
- 15:50 Discussion followed by Networking Tea
- 16:15 **Feasibility Analysis & Project Overview: Bagasse Biomass to Energy Generation in Philippines' Mindanao**
*Mr. Michael Paik, General Counsel
EnerOne, Inc.*

- 16:45 **Current Status & Future Landscape of Biomass Pellet in Malaysia**
*Mr. Joseph Lim, Managing Director
Global Green Synergy Sdn. Bhd*
- 17:10 **Torrefaction Study in Japan – From Large to Small Scale**
• Efficient Drying of Wood Chip & Modeling of Woody Biomass Utilization in Rural Area
*Mr. Takahiro Yoshida, Researcher
Forestry and Forest Products
Research Institute*
- 17:40 Discussion followed by End of Day 1

1750 - 1920 hrs.
Networking Cocktail Reception
for Speakers & Delegates

Day 2 - 10 Sep 2013, Tuesday

- 09:00 Chairman's Remarks
- 09:05 **An Optimal Biomass Purchasing Strategy for Korean Genco's (Perspective from Canadian Wood Pellet Supplier)**
*Mr. Vaughan Bassett, Vice President,
Sales & Logistics, Pinnacle Pellet Inc.*
- 09:30 **Supply & Export Economics of Wood Pellets from US' Florida**
*Todd G. Bush, Assistant Vice President
- Sales & Marketing
Green Circle Bio Energy Inc.*
- 09:55 **Wood Pellet Market in Russia**
• Production Capacity & Export Potential to Far East (Asia)
• Pricing & Competitiveness, Shipping
• Forward looking opportunities & challenges
*Dr. Olga Rakitova
The National Bioenergy Union, Russia*

- 10:20 **Where will Wood Pellets to Japan & Korea be Sourced From?**
*Mr. Arnold Dale, Vice President of
Bioenergy, Ekman & Co AB*
- 10:50 Discussion followed by Networking Coffee
- 11:20 **Korean Gencos' Perspective – Current Projects (Co-Firing, Dedicated, etc), Roll-outs of Biomass Utilization for Power Generation, Expectations on Wood Pellet/Biomass Imports**
*Mr. Lee Sung Yeal, General Manager,
New & Renewable Energy Team
Korea South East Power Co. Ltd (KOSEP)
Mr. Kim Kwae-Myung, Deputy General
Manager, Fuel and Resources Team
Korea Western Power Co Ltd
Mr. Heo Yun-Jeong, Senior Manager,
Fuel Combustion Team,
Boryeong Thermal Power Site Division
Korea Midland Power Co., Ltd (KOMIPO)*

- 12:45 Discussion followed by Networking Lunch
- 14:00 **Sourcing Sustainable Long term Supply: Wood & Non Wood Biomass for Energy Generation**
• Snapshot on the Availability of Biomass Types and Supply (Amounts)
• Comparing issues on Harvest, Collection, Procurement, Transport & in Energy Terms (rather than Weight terms)
• Issues on Sustainability: the 'ups and downs' of Agricultural Activity, dealing with multiple suppliers compared direct with the plantation
• Case studies from South East Asia
*Mr. Matt Bovelander,
Senior Consultant Bio Solutions
Indufor Asia Pacific Ltd*

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14:30 **Prevention of Fires & Dust Explosions within the Biomass Handling Process**

- Risks in biomass-fueled power plants
- Understanding fires and dust explosions
- The Spark detection system
- The Flame detection system

Mr. *Marcus Mattsson*
Area Sales Manager, *Firefly AB*

15:00 **Conversion from Coal to Wood Pellet Fired Unit: Feasibility & Technical Challenges Involved**

- Conventional coal plant can be rebuild to 100% biomass much cheaper than building dedicated plant
- Key to understand impact of alkaline content of biomass on corrosion and fluegas cleaning
- Wood pellet storage costs means optimal logistics set-up is different from coal

Mr. *Jens Price Wolf*
Power Commercial Business Development, *Dong Energy A/S*

15:30 **Biocoal for Power Generation**

Mr. *Andreas Teir*, Director
Global BioFutures Practice
Pöyry Management Consulting Oy

16:00 **Panel Discussion: Growth Outlook for Asia's Biomass for Power Generation Sector**

- Level of government's subsidies & feed-in tariff
- Sustainability criteria for biomass trade

16:45 End of Conference.

Day 3 - 11 Sep 2013, Wednesday

Post Conference Workshop: **Biomass to Power: Procurement Challenges, Recommendation, Status of Biomass Torrefaction & Applications**
0900 - 1700 hrs.

Workshop Outline:

- Biomass Procurement Challenge: Availability, Cost & Competition
- Biomass to Energy Project Analysis, Samples & Spreadsheets
- Logistics & Handling of Biomass
- Torrefaction Technology Platforms for Turn Key Solutions
- Commercialising Biomass Fuel Production Globally to Replace Coal - Bio Coal in Thermal Power Stations
- Comparative Analysis of Torrefaction of Woody & Non-Woody Biomass
- Experience in Operating an Industrial Scale Torrefaction Plant
- Market Outlook of Bio Coal (Torrefied Pellets), Cost Comparison with Wood Chips & White Wood Pellets
- Application of Bio Coal in Power & Heat

Day 4 - 12 Sep 2013, Thursday

Site Visit & Guided Tour of **Korean East West Power's (EWP) Donghae Biomass Power Plant**
0700 - 1800 hrs.

EWP has built a 30MW biomass power plant which is currently the biggest biomass operating capacity in Korea, at Donghae Power Plant site and operation coming on-stream in July 2013.

Donghae Thermal Power Plant (Coal + Wood Chip, Wood Pellet, PKS & EFB)

Boiler Type: Circulating Fluidized Bed (CFB)
Capacity: 200MW x 2 units
Main Fuel: Anthracite 50% + Bituminous 50%
Co-firing fuel: Wood Chip, Wood Pellet, PKS, EFB
Co-firing rate: 10%
Fuel Quantity: Coal - 1,400,000 ton/a at 4,500kcal/kg
Biomass - max 150,000ton/a at 3,800kcal/kg

Donghae 30MW Biomass Power Plant (100% Wood Chip)

Boiler Type: Circulating Fluidized Bed (CFB)
Capacity: 30MW x 1 unit
Main Fuel: Biomass (Wood Chip)
Fuel Quantity: Biomass - max 200,000ton/a at 3,000kcal/kg

4th Asian Buyers - Global Suppliers Meet!

Multiple Benefits & Vital Sessions to Attain Your Leads & Network

- Updates on Asia's biomass demand and clean energy mandate
- Gencos' Perspectives on biomass co-firing or dedicated power project development and implication on the biomass fuel requirements
- Maximum networking benefits over 4 days, gain direct interaction with the power utilities and buyers from Korea and Japan
- Updates on cross-regional development of wood pellets and other biomass production from Canada, USA, Russia, and export potential for the North Asian market
- Plan, Strategize and position your company in the global wood pellets markets
- Assess the opportunity of biomass pellets production from Palm, Sugar Bagasse and Rice Husk in South-East Asia (Malaysia, Indonesia, Vietnam, Thailand)
- Deepen your knowledge on converting coal to biomass-fired unit from EU experts

Who Will You Meet

Wood Pellets & Wood Chips Producers,
Traders & Importers - Palm Oil & Sugar Mills
Owner - Aggregator for Agricultural Residues (PKS, EFB, Sugar Bagasse, Rice Husk) - Power Utilities, Industrial Power Plants, Distributed Power - CHP project owners, developers - Agriculture / Forestry / Plantation Companies - Commodity Brokers & Analysts - Wood Processing Companies - Shipping & Brokers (DryBulk, Biomass / Pellets) - Government / Regulators - Pulp & Paper - Pelletting Equipment/Technologies - Biomass Pretreatment Technologies - Enzymes / Catalysts Providers - Trade/Project Financing Institutions - Specification & Benchmarking - Biomass / Bio-Power Associations - Emission / CDM Traders - Environmental Engineers

3 Ways To Register

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BUNDLE Fee for Conference 2285.00
+ Workshop + Site Visit (per person)

Conference (USD)
Regular Fee for 1 (per person) 1495.00
Group Fee for 3 or more (per person) 1195.00

Post Conference Workshop 1 (USD)
Workshop Fee for Non-Conference Attendee (per person): 11 Sept 995.00

Workshop Fee for Conference Attendee (per person): 11 Sept 695.00

Site Visit 1 (USD)
Site Visit for Conference Attendee (per person): 12 Sept 395.00