

# 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 30<sup>th</sup> year

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### Day 1 - 9 Sep 2013, Monday

08:00 Registration and Coffee

09:00 Chairman's Remarks

09:10 **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*

10:10 **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**  
*Senior Representative  
Pellet Association of Malaysia (P.A.M.),  
Agensi Inovasi Malaysia (AIM)*

10:40 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**  
*Senior Representative  
Korea Southern Power (KOSPO)  
Senior Representative  
Korea East-West Power (EWP)*

12:10 **Global Wood Pellets Supply - Market Dynamics & Trading Opportunities**  
*Mr. Nick Tsirigotis, Manager  
Renewable Fuels Trading  
EDF Trading*

12:40 Discussion followed by Networking Lunch

14:10 **Korea's Biomass Pellet Perspective & Potential Collaboration with South East Asia Regions**  
*Mr. JP Jaepil Song  
President of Southeast Asia Division  
Eco-Frontier*

14:40 **Current Status & Future Landscape of Biomass Pellet in Malaysia**  
*Mr. Joseph Lim, Managing Director  
Global Green Synergy Sdn. Bhd*

15:10 **Feasibility Analysis & Project Overview: Bagasse Biomass to Energy Generation in Philippines' Mindanao**  
*Mr. Michael Paik, General Counsel  
EnerOne, Inc.  
Mr. Per Dahlen, SVP BioRenewables  
Dovre Group*

15:40 Discussion followed by Networking Tea

16:10 **Wood Pellets & Non-Woody Biomass Supply from Indonesia**

16:40 **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*

17:10 **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*

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 **Canadian Wood Pellet's Export Outlook, Current & Expected Markets**

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?**  
*Senior Representative  
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**  
*Senior Representative  
Korea South-East Power (KOSEP)  
Senior Representative  
Korea Western Power (KOWEPO)  
Senior Representative  
Korea Midland Power (KOMIPO)*

12:45 Discussion followed by Networking Lunch

14:00 **Fire/Explosion Prevention at Operating Pellet Mills**  
*Senior Representative  
Firefly AB*

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14:30 **Conversion from Coal to Wood Pellet Fired Unit: Feasibility & Technical Challenges Involved**

- Conventional coal plant can be rebuilt 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*

15:00 **Operational Experience in Biomass-Based Industrial Power Generation or CHP**

15:30 **Biocoal for Power Generation**  
*Mr. Andreas Teir, Director  
Global BioFutures Practice  
Pöyry Management  
Consulting Oy*

16:00 Discussion followed by the Networking Tea

16:20 **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

17:00 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 - Pelletizing Equipment/Technologies - Biomass Pretreatment Technologies - Enzymes / Catalysts Providers - Trade/Project Financing Institutions - Specification & Benchmarking - Biomass / Bio-Power Associations - Emission / CDM Traders - Environmental Engineers

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**Bundle Deal** (USD)  
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 295.00

**Online Credit Card Payment Discount** (USD)  
Pay Online By 9 Aug with Visa/MasterCard & SAVE USD75 (per person) -75.00  
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