

DAY 1 - 27 FEB 2024, TUESDAY

08:00	Registration & Networking Tea/Coffee	11:40	Decarbonizing Land Transport: Automaker's Perspective • Biodiesel vs EV • Rise of EV, hybrid & the impact of biodiesel industry <i>David Lantz, Driving the Shift Director, Scania Malaysia</i>
09:00	Chairman's Introduction <i>Siegfried Knecht, Chairman of the Executive Board/VP, Director of R&T, Aviation Initiative for Renewable Energy/ Airbus</i>	12:10	Leveraging Technology to Navigate Evolving Compliance Requirements in Low Carbon Fuel Markets <i>Dani Charles, Co-Founder, Veriflux</i>
09:10	Global Biofuels Market Outlook • Demand/supply outlook & production capacities • Delinking biofuels from food supply chains & exploration of alternative feedstocks • Changing regulations on biofuels markets <i>Chris de Lavigne, Partner - Financial Advisory (Strategy / M&A), Deloitte Southeast Asia</i>	12:40	Networking Lunch
09:40	Addressing New Regulations on Biofuel and Strategies to Adapt across Asia, EU and US • Updates on New Government Policies/Blending Mandates in Asia, EU & US • Low carbon fuel regulation in EU impact on biofuels exports from Asia • Challenges and potential to promote the biofuel uptake in the region? <i>Tenny Kristiana, Associate Researcher, Fuels Program, The International Council on Clean Transportation - ICCT</i>	13:55	Chairman's Introduction <i>Takehiro Kawahara, Aviation Specialist, Bloomberg</i>
10:10	Power to Liquid for Aviation • Alternative fuel production pathway for SAF <i>Siegfried Knecht, Chairman of the Executive Board/VP, Director of R&T, Aviation Initiative for Renewable Energy/ Airbus</i>	14:00	Technology Innovation: Methanol to Jet • Availability of feedstock supply • Challenges in producing Methanol to Jet <i>Lexus Loo, Project Sales Senior Manager, Honeywell</i>
10:40	Networking Tea/Coffee Break	14:30	SAF Growth Trends in Asia • Demand/Supply Projection • Feedstock Supply Challenges • Policy and Regulatory Development <i>Steven Bartholomeusz, Head of Public Affairs, APAC, Neste Asia Pacific</i>
11:10	Tapping into Asia's Feedstock Potential • The Feedstock Bottleneck • Huge Opportunities in Asia • Challenges to the Industry • Unlocking Household UCO Potential <i>Edward Choi, Chief Strategy & Investment Officer, Apeiron Bioenergy</i>	15:00	Networking Tea/Coffee Break
		15:30	Smoothing SAF Take-off: Scaling Production and Ensuring Feedstock Integrity <i>Aika Yuri Winata, General manager - Green Energy, Biofuel Feedstock & Business Development, Apical Group</i>

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LOW CARBON FUELS SUMMIT

27 - 28 FEB 2024
SINGAPORE



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LOW CARBON FUELS SUMMIT

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15:45 **Panel Discussion: Sustainable Aviation Fuel Strategy & The Way Forward**

- What are airlines doing to decarbonize the aviation industry?
- How to navigate the market constraints of SAF to fuel a sustainable pathway for the aviation industry?
- Airplane manufacturers to talk about SAF application, their commitment, bottlenecks and opportunities.

Moderator:
Takehiro Kawahara, Aviation Specialist, Bloomberg

Hiroaki Sugimori, Director, Decarbonization, Corporate Planning, All Nippon Airways

Siegfried Knecht, Chairman of the Executive Board/VP, Director of R&T, Aviation Initiative for Renewable Energy/ Airbus

Amara Buysse, Senior Manager - Public Policy & Sustainability (SE Asia, Pacific & South Korea), Rolls-Royce

Aika Yuri Winata, General manager - Green Energy, Biofuel Feedstock & Business Development, Apical

Dio Alojado, Director, Corporate Strategy and Sustainability, Cebu Pacific Air

16:30 **Commercializing Advanced Biofuel in Asia**

- Discussing the availability of feedstocks, current market trends
- Technology Innovations and Project Updates
- Key Applications

Dr. John Archer, Co-Founder and Chief Scientific Officer, HutanBio(UK)

17:00 End of Day 1

17:15 Networking Reception for Speakers & Delegates

DAY 2 - 28 FEB 2024, WEDNESDAY

09:00 **Chairman's Introduction**
Runeel Daliah, Principal Analyst, Lux Research

09:10 **Zero-Carbon Future for Shipping**
• Green Methanol as Marine Fuel
• Availability of Technology and Infrastructure
Sanjay Verma, Director Decarbonization Solutions, Asia, Wartsila Singapore

09:40 **Strategies to Transform Ocean Shipping to Meet Net-Zero Emission**

- Difficulties faced in Shipping for decarbonization.
- Address different decarbonization approaches that is needed at this point of time

Capt. Satinder Virdi, Principal Consultant, Head of Research and Development, DNV

10:10 **Panel Discussion: Future of Marine Fuels in the Shipping Industry**

- Marine fuels mix – what are the preferred fuel choices?
- Potential of ammonia as low-carbon fuel in the shipping industry
- What are the ports authorities doing to support the growth of low-carbon fuels?
- Challenges of liquid hydrogen as energy source to power ship vessels
- Challenges for ocean shipping using biofuels.

Moderator:
Runeel Daliah, Principal Analyst, Lux Research

Dr. Prapisala Thepsithar, Director, Research & Projects, Global Centre for Maritime Decarbonisation

Sanjay Verma, Director Decarbonization Solutions, Asia, Wartsila Singapore

Capt. Satinder Virdi, Principal Consultant, Head of Research and Development, DNV

10:40 Networking Tea/Coffee Break

11:10 **Carbon Pricing Development in Asia, EU ETS & Its Impact on Shipping Industry**

Peter Zaman, Partner, HFW Singapore

11:40 **Prospective of Liquid Biomass in Shipping Industry**

- The current fuel consumption in shipping industry and CO2 emission
 - The potential usages of liquid biomass from POME etc mainly in Indonesia
 - The possible future supply chain of bunkering fuel in Asia
- Rumi Hoshino, Marketing Manager Business Development Dept., Santomo Resources*

12:10 **Green Hydrogen: Demand for Cleaner & More Sustainable Energy**

- Scaling up green hydrogen & production – regulation & cost economics
 - The development of hydrogen infrastructure and markets
- Dr. Ramakrishna Krishnan, R&D Engineer, ENGIE Lab Singapore*

12:40 Networking Lunch & Close of Conference

14:00 End of Day 2

Challenges & opportunities of scaling the low-carbon fuels economy.

LOW CARBON FUELS ARE A CRUCIAL STEP FOR ENERGY TRANSITION IN THE TRANSPORT SECTOR AND HERE'S WHY:

Even though electrification might be the next big thing in replacing traditional fossil fuels, however it might not be a plausible option for transport sectors such as aviation or marine. With low carbon fuels, it presents an ample opportunity to decarbonize the transport sectors with minimal upheaval, such as sustainable aviation fuel (SAF) and many more.

TRANSITIONING PERIOD: ROAD TO NET ZERO BY 2050

Low carbon fuels play an important role in decarbonizing transport by providing low carbon solutions for sectors such as trucking, shipping and aviation to achieving the net zero emission by 2050.

As more and greener technologies are emerging (green hydrogen, methanol, ammonia, etc), but with new regulations being implemented (REDIII, ReFuelEU, new blending mandates in SEA, EU deforestation law, etc), hence the challenges and opportunities for the low carbon fuels sector are constantly evolving.

CHALLENGES & OPPORTUNITIES ALONG THE WAY:

While the production of low carbon fuels is in high demand especially in the aviation and marine industry, however the supply of feedstock (used cooking oil (UCO), palm oil mill effluent (POME) oilseeds, used cooking oil methyl ester (UCOME), tallow, crude glycerin, etc) are limited. The race to secure ample feedstocks supply is a real challenge to biofuels producers.

Are there alternative game-changing feedstocks out there that can meet the growing demand for low-carbon fuels?

How can we produce more low carbon fuels without competing with other food sources?

Join us at our **Low Carbon Fuels Summit 2024** to hear from industry experts from Singapore, Indonesia, Malaysia, China, Japan, Korea, Germany, etc, about their latest technologies, key challenges, the impacts on of new policies and mandates, feedstocks supply and more. certification.

Key Highlights:

- Global Low Carbon Fuels Market Overview and Growth Drivers
 - Feedstocks Availability, Trade Flow & Supply Chain Issues – UCO, MSW, POME, Animal Fats, Agri Residue
 - Biorefineries Project Updates in Asia
 - Regulatory Updates and Biofuels Blending Mandates in SE Asia, China & EU
 - Commercialising Advanced Biofuels – HVO, SAF, Marine biofuels, Green Methanol, Hydrogen, Ammonia & more!
 - Technology Innovations & Economics
 - User's Perspective and Spotlight on Aviation, Marine & Land Transport Pathways
- For enquiries, contact grace@cmtsp.com.sg

FEES	
Fees per person(In person)	USD
1-2 delegates	1495
3 or more delegates	1295
VIRTUAL	
Per Login	1395
Video Recording (available after event)	195



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