IATA AVIATION ENERGY FORUM

New Delhi, India
15-17 November 2022

PROGRAM
Monday, 14 November

18h00 - 20h00  WELCOME RECEPTION

Tuesday, 15 November

09h45 – 09h50  Lamp-lighting Ceremony
09h50 – 10h00  Welcome, Admin and Anti-trust briefing
10h00 – 10h20  Opening Address
   Shri Rajiv Bansal, Secretary, Ministry of Civil Aviation
10h20 – 10h45  State of the Industry
   Andrew Matters, Head of Policy Analysis, IATA
   The latest industry outlook considering market and economic developments with an update on the forecast for traffic development and the financial health of the industry.

10h45 – 11h40  NETWORKING BREAK

11h40 – 12h00  Development at 41st ICAO General Assembly
   Sebastian Mikosz, SVP Environment and Sustainability, IATA
   Update on CORSIA and the Net Zero 2050 Long Term Aspirational Goal
12h00 – 12h20  Special Keynote Address
   Shri Hardeep S Puri, Union Minister of Petroleum and Natural Gas; Housing and Urban Affairs
12h20 – 12h30  Special Announcement
12h30 – 13h50  LUNCH BREAK
Tuesday, 15 November

13h50 – 14h00  Welcome back, Admin and Anti-trust briefing

14h00 – 14h50  Energy requirements for decarbonization
Yasar Yetiskin, Senior Associate, Sustainable Aviation, ICF
Jean Francois Tessier, Head of Commercial – Americas and East Asia, Universal Hydrogen
Neville Hargreaves, VP Waste to Fuels, Velocys
Anna Stukas, VP Business Development, Carbon Engineering
Alejandro Block, Manager New Energy and Technologies, IATA

As aviation transitions to Net Zero 2050, the aircraft energy source would progressively change from conventional jet fuel to Sustainable Aviation Fuels, batteries and hydrogen. How will the energy requirements for aviation be achieved in a world which will compete for each watt-hour of renewable energy?

14h50 – 15h35  SAF Ramp-up in India and the Region
Sami Jauhiainen, VP APAC, Renewable Aviation, Neste
Preeti Jain, Director, Government Affairs, LanzaTech
Malvyn Tan, Head Commercial Fuel, IATA

This session looks at the SAF developments taking place in the Asian region with particular focus on India and South-East Asia.

15h35 – 16h10  NETWORKING BREAK

16h10 – 17h00  Global Jet Fuel Supply Issues
Mine Bolgil, VP Aviation Commercial, BP
Thomas Richter, Head of Fuel Purchasing, Lufthansa
Louise Burke, VP, Strategic Business Development NA Renewables and Global Head of Aviation, Argus Media
Alexander Kueper, Director Fuel, IATA

This session will explore jet fuel supply issues around the world, where are the problematic locations, what are the underlying causes and what can be done to resolve them.

19h00 – 22h30  OFFICIAL NETWORKING DINNER
Wednesday, 16 November
Commercial & SAF Sessions

09h30 – 09h40  Welcome, Admin and Anti-trust briefing

09h40 – 10h25  Oil Market Outlook
Roberto Sieber, Chief Economist/ Global Head Market Analysis, Hartree Partners
Oil and jet fuel prices hit all-time highs after the start of the Russia-Ukraine war. Western sanctions on Russian oil and products that ensued have changed the global landscape on how oil and products including jet fuel is supplied around the world. An expert on the oil market will provide insights and views on these changes and the outlook for the energy market.

10h25 – 11h20  NETWORKING BREAK

11h20 – 12h00  The Economics of Shipping Jet Fuel
Stuti Chawla, Managing Editor, Petchems and Container Shipping, S&P Global Commodity Insights
Mike Farmery, Founder and Director, Clear and Bright
Increasingly more markets particularly in the developed world are seeing refinery closures that are resulting in a greater proportion of jet fuel demand being met through imports from refining centres in other parts of the world. For many markets, shipping is a critical part of the jet fuel supply chain. This session explores how jet fuel is shipped around the world, the economic considerations and how recent geopolitical development had impacted shipping of jet fuel.

12h00 – 13h30  LUNCH BREAK

13h30 – 14h15  Digitalization of the Fueling Process – the Indian experience
TS Dupare, Director and Chief Executive Officer, IOSL
Vijay Naik, Dy General Manager (Aviation), Indian Oil
Shakti Chopra, Sr. Director - Procurement and Fuel Management, Atlas Air
How has digitalization of the fueling process developed in the Indian market? A panel shares the progress and what can be expected going forward.

14h15 – 15h00  Book and Claim
Aaron Robinson, Sr. Manager – Environmental Strategy and Sustainability, United Airlines
Daniel Chereau, Assistant Director New Energy and Climate Policy, IATA
A ‘Book and Claim’ solution allows airlines to scale up their purchase of SAF at locations where SAF is readily available and be able to count that towards their individual overall carbon reduction obligations or targets. This session explains the Book and Claim concept and what is needed to realize a system to cater for the airline industry.
Wednesday, 16 November
Commercial & SAF Sessions

15h00-15h40  NETWORKING BREAK

15h40 – 16h15  Putting together a SAF Offtake Agreement – the considerations and process
Heiko Mannes, Fuel Management, Lufthansa
Malvyn Tan, Head Commercial Fuel, IATA
How is a SAF offtake agreement put together? An airline will share the process involved and the aspects to consider.

16h15–17h00  The Case for Vertically Integrating into SAF Projects
Steven le Moing, Head of SAF, Airbus
Bruno Miller, Chief Commercial Officer, Alder Fuels
Jonathan Curry, Sr. Manager - Sustainable Aviation Fuel, Qantas
Daniel Bloch, Asst Manager - Sustainable Aviation Fuel, IATA
The SAF landscape is inherently volatile, with constrained supply and unpredictable pricing mechanisms remaining an all too familiar factor for those seeking to acquire it. A panel explores whether vertical integration into ones own SAF supply chain can mitigate these risks and create new opportunities in doing so.
Welcome, Admin and Anti-trust briefing

Scaling-up hydrogen to meet aviation decarbonization
Luis Janeiro, Associate Programme office, IRENA
Anurag Pandey, VP, Hydrogen Value Chain, New Energy, Reliance Industries
Alejandro Block, Manager New Energy and Technology, IATA
Nearly all future fuels will require hydrogen, from conventional jet fuels, to bio-SAF, PtL, or hydrogen to be used in its pure form. How much hydrogen will we need for all of this, and how can we scale this up? Furthermore, what will the world’s hydrogen supply look like in 2050?

Enabling 100% SAF aircraft
Gurhan Andac, Engineering Technical Leader, Aviation Fuels and Additives, General Electric
Ross Walker, Manager Fuels and Hydromechanical Systems, Airbus
JP Belieres, Technical Fellow, Boeing
Mark Vaughan, Head Technical Fuel, IATA
What are the engine and airframe OEM working on to ensure that equipment can operate on 100% SAF

NETWORKING BREAK

Commingling of SAF in airport storage
Mark Rumizen, Sr. Technical Specialist, Aviation Fuels, FAA
Peter John, Technical Service Manager Europe, Neste
With the anticipated ramp up of SAF production, will the product from different suppliers which is certified to ASTM D 7566 be allowed to be commingled at the airport?

Microbiological Contamination
Christian Siry, Head of LHT Central Materials Technologies, Lufthansa
Graham Hill, Managing Director, Echa Microbiology
Arun Kashyap, Executive Director - Engineering, Air India
This session will highlight the major changes in edition 6 of the IATA Guidance Material on Microbial Contamination in Aircraft Fuel Tanks that is in the final stage of being updated. Including preparation work that is being conducted for edition 7, which will address problems with microbial contamination indication. There will also be an update on the test kit comparison study and what support has been requested from OEM, Airlines and the industry that provides equipment and materials.

LUNCH BREAK
Wednesday, 16 November
Technical & SAF Sessions

13h45 – 14h45  **Industry Updates**
Mark Vaughan, Head Technical Fuel, IATA
Martin Hunnybun, Head of Good Practice – Fuels & Fuel Handling, Energy Institute
Mark Rumizen, Sr. Technical Specialist, Aviation Fuels, FAA
George Zombanakis, System Engineering, United Airlines
General update from the Energy Institute (EI) and American Society for Testing and Measurement (ASTM), as well as update on EI 1533 (Handling of SAF) and FAA/CRC Worldwide Fuel Survey to determine fuel properties from various regions of the world in order to maximize the blending of SAF.

14h45 – 15h30  **Jet Fuel Specifications and Quality**
Mike Farmery, Founder and Director, Clear and Bright
Mark Rumizen, Sr. Technical Specialist, Aviation Fuels, FAA
Patrick Bosmans, Product Quality and Security Officer, Central Europe Pipeline System
Ibon Ibarrola Armendariz, Technical Manager, Joint Inspection Group
C. Shanmuganathan, Manager Quality Assurance, Bharat Petroleum
Bill Geck, Principal Fuel Engineer, American Airlines
What is the industries’ role in ensuring that jet fuel is on specification throughout the supply chain, from refinery to the wing of the aircraft? Representation from Regulator, Producer, Pipeline/Terminal operator, Airport Operations and Airline

15h30 – 16h00  **NETWORKING BREAK**

16h00 – 17h00  **Refueling Equipment**
Sarabeet Johar, Proprietor, Chemochem
Jose Molina, VP of Sales, Skymark
Ankush Sharma, Director, Titan
Innovation and modification is constantly taking place. Refueling equipment manufacturers will present on some of these developments.
Thursday, 17 November
Commercial-SAF Sessions

09h30 – 09h40  Welcome, Admin and Anti-trust briefing

09h40 – 10h20  The shift in global refinery landscape and its impact on regional capabilities to meet growing jet demand
Suzanne Minter, Director, Client Development, S&P Global Commodity Insights
Malvyn Tan, Head Commercial Fuel, IATA
There is a continuous development in the past decade of refinery closures particularly in OECD countries and these countries increasingly reliant on jet fuel imports from refining centres. This session explores the shift in the refining landscape, where most oil refining is currently taking place and if this could have an impact on regional capabilities to meet jet fuel demand.

10h20 – 11h10  The Jet Fuel Supply Landscape in India
Vijay Ranjan, Founder and Principal Consultant, Viravia Ventures
Hemant Rathore, Chief General Manager, Indian Oil
Jonathan Pardoe, Consultant, Star Alliance
This session looks into the jet fuel supply landscape in India as it has evolved over the years and what further changes could take place that would be beneficial to the industry.

11h10 – 11h50  NETWORKING BREAK

Thursday, 17 November
Joint Sessions

11h50 – 12h40  Exploring the SAF Feedstock Universe
Mike Farmery, Founder and Director, Clear and Bright
Justin Tait, Head of Sustainability – Europe, Enviva
Dr John Holladay, VP of Government Programs, Lanza
Stephen Wetmore, Business Development Manager, SkyNRG
Dr Joachim Buse, Managing Director, Adeptus Green Management
SAF can be produced using different technological pathways with a broad portfolio of feedstock. This session explores some of the most common and emerging feedstock associated with these varying production pathways, identifying what they are, how they're sourced and what makes them sustainable.

12h40 – 12h50  Wrap up and Close

12h50 – 14h00  LUNCH
Thursday, 17 November
Technical- SAF Sessions

09h00 – 09h10  Welcome back, Admin and Anti-trust briefing

09h10 – 09h40  Super Absorbent Polymer (SAP) – Special Interest Group
Bill Geck, Principal Fuel Engineer, American Airlines
Andreas Schmidt, Manager Jet Fuel Quality, Lufthansa
Martin Hunnybun, Head of Good Practice – Fuels & Fuel Handling, Energy Institute
Routinely removed engine filters have been analyzed for the presence of SAP as part of an airline risk assessment, while refueling is conducted using SAP based filtration. The airline special interest group on SAP will present the latest results as well as how they are collaborating with engine and airframe OEM’s.

09h40 – 10h40  Filtration
Marcus Wildschutz, President, Faudi Aviation
Andre Ferole, Sales Manager Aviation & Refined Fuels, Facet
Resat Gunduz, Operational Fuel Manager, Turkish Airlines
Update from filter manufacturers on latest developments on aviation fuel filtration. To ensure that clean, dry and fit for purpose fuel is delivered to the aircraft safely.

10h40 – 11h10  IFQP and JIG
Hendrick Schmeil, IFQP Technical Manager, Swiss
Ibon Ibarrola Armendariz, Technical Manager, Joint Inspection Group
Update from the inspection bodies post lockdown, with inspection findings worldwide

11h10 – 11h50  NETWORKING BREAK

Thursday, 17 November
Joint Sessions

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Justin Tait, Head of Sustainability – Europe, Enviva
Dr John Holladay, VP of Government Programs, Lanza
Stephen Wetmore, Business Development Manager, SkyNRG
Dr Joachim Buse, Managing Director, Adeptus Green Management
SAF can be produced using different technological pathways with a broad diversity of feedstocks. This session explores the different types of feedstock in use currently for the different types of pathways, ones that are in the pipeline and ones that hold good potential; and where they are generally available globally.

12h40 – 12h50  Wrap up and Close

12h50 – 14h00  LUNCH