

IATA

AVIATION

ENERGY FORUM

New Delhi, India
15-17 November 2022

PROGRAM



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ENERGY FORUM

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**



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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 Jauhainen, 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**



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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.



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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.



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Wednesday, 16 November Technical & SAF Sessions

- 09h00 – 09h10** **Welcome, Admin and Anti-trust briefing**
- 09h10 – 09h40** **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?
- 09h40 – 10h25** **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
- 10h25 – 11h05** **NETWORKING BREAK**
- 11h05 – 11h35** **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?
- 11h35 – 12h15** **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.
- 12h15 – 13h45** **LUNCH BREAK**



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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

Sarabjeet 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.



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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



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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

- 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 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**

