



ALTERNATIVE FUEL

The alternative fuel strategic partnership spans the technical fuel and environment programs at IATA. Because this partnership gives access to the bi-annual IATA Fuel Forum, the premier meeting of global aviation fuel experts, commercial elements are also covered. The biojet fuel topic is inherently multi-disciplinary, and this is reflected in the contents of IATA's alternative fuel strategic partnership program. The two main elements of this partnership are participation in the IATA Technical Fuel Group and in the Environment strategic partnership, described below.

OVERVIEW OF TECHNICAL FUEL GROUP

Strategic Partners from Alternative Fuel can participate in the Technical Fuel Group (TFG) area of involvement. This group represents a global forum for those involved in the technical aspects of the supply and use of aviation fuel, reviews current problems, promotes standardization, informs about R&D, the production, availability and use of alternative fuels and recommends effective action. Companies should be involved in one of these activities to join this area.

The TFG influences fuel specifications worldwide, updates the IATA Guidance Material on Aviation Turbine Fuel Specifications, considers the impact on supply, safety, environment and cost, and ensures the use of safe procedures and equipment in the handling, storage and delivery of fuel. The TFG meets twice a year, during the IATA Fuel Forums, where IATA Strategic Partners participate as observers in all meetings and have the opportunity to meet suppliers.

The Fuel Forum and Technical Fuel Group meetings offer alternative fuel producers a unique link between aircraft operations, operators and specification bodies, such as ASTM and AFC.

ACTIVITIES

- Regular contact with airline fuel buyers and technical experts worldwide
- Information exchange on jet fuel Issues
- Aviation fuel developments and activities in countries and locations around the globe
- Aviation fuel quality standards, audits and inspections
- Jet fuel specifications
- Fuel supply and facilities development
- Apron safety
- Alternative fuels
- Fuel contamination

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OVERVIEW OF ENVIRONMENT

Our Environmental vision is for a zero emissions future, to build a zero emissions aircraft within 50 years. IATA's vision is supported by a set of ambitious targets:

- An average improvement in fuel efficiency of 1.5% per year from 2009 to 2020
- A cap on aviation emissions from 2020 (carbon neutral growth)
- A reduction in CO2 emissions of 50% by 2050 relative to 2005 levels

Sustainable alternative fuels are an important contributor to the CO2 reduction targets, since they help reduce the lifecycle CO2 emissions by up to 80%. IATA is active in developing strategies for the development, implementation and use of alternative fuels, with a focus on second-generation sustainable biofuels that do not compete for land or water with food crops.

- A business case for alternative aviation fuels needs to be available to support large-scale production.
- Sustainability of alternative aviation fuels need to be demonstrated according to commonly agreed criteria.

IATA welcomes a closer cooperation with Strategic Partners in this area, particularly those involved in developing and producing sustainable biomass and in the production and distribution of fuels.

IATA participates in various initiatives and study groups for the development of sustainable alternative fuels:

- CAAFI (Civil Aviation Alternative Fuels Initiative), US-focused.
- SWAFEA (Sustainable way for alternative fuels and energy in aviation), EU-focused.
- RSB (Roundtable on Sustainable Biofuels), based at EPFL, Lausanne, Switzerland.

The IATA Environment Group cooperates with various research and development institutions and Strategic Partners to assess and promote new technologies.

ACTIVITIES

- Assessment and support of CO2-reducing technologies (aircraft, engines, ATM, alternative fuels)
- Other environmental aspects (local air quality, noise)
- Contribution of biofuels to reduce aviation's CO2 footprint
- Sustainability and lifecycle greenhouse gas emissions of biojet fuels
- Economic aspects of sustainable biojet fuels (business case, public incentives, e.g. exemption from emissions trading)
- Regulatory aspects

ADDITIONAL BENEFITS

- Participation in the bi-annual fuel forum and environmental forums where the products and services of Strategic Partners could be used to help industry challenges and projects.
- Use of the IATA Strategic Partner logo to identify the corporation to IATA and industry initiatives.
- A close working relationship with IATA commercial and technical fuel departments and environment department.
- Prominent placement within IATA's online Biofuel Producers Directory.
- Participation in assembling IATA guidance material for aviation biofuel management.

TRAINING

IATA Partners benefit from a preferential rate for the IATA training courses: Aviation Biofuels, Aviation Fuel Management, IATA Fuel Quality Pool Field Inspectors course.

PUBLICATIONS

IATA Partners receive complimentary copies of related IATA publications including:

- Guidance Materials for Aviation Turbine Fuels
- Aviation Fuel Supply Model Agreement (download from Private Web site)

The following IATA publications can be downloaded, free of charge:

- IATA Reports on Alternative Fuels (2006-2010)
www.iata.org/ps/publications/alternative-fuels.htm

For usage of the following communication material, Strategic Partners should contact IATA environment@iata.org

- Print advertisements
www.iata.org/NR/rdonlyres/1C6CB6EF-4D0E-4BC4-8E11-D6B545E1C85B/0/DownloadAllAds.pdf
- Video: Flying's a wonderful thing
www.iata.org/iata/Sites/stb/file/EnvironmentCampaign
- Video: Towards Zero Emissions
www.iata.org/iata/video/homePage/destinationzero
- Video: Biojet animation
www.youtube.com/watch?v=lb3uczZawrc
- Cross industry environment communications campaign enviro.aero
www.enviro.aero
- IATA Technology Roadmap (*free for SPs*)
www.iata.org/ps/publications/technology-roadmap.htm
- Aviation Carbon Offset Programs - IATA Guidelines and Toolkit
www.iata.org/NR/rdonlyres/22669B08-918C-4AB7-8D8F-8F9743BA8FE6/61823/Carbon_Offset_Guidelines_May2008.pdf
- IATA Carbon Offset Program
www.iata.org/NR/rdonlyres/FFA7B984-4DC7-4613-BA50-22519752950D/0/iata_carbon_offset_program_0609.pdf
- Global Approach to reducing aviation emissions
www.iata.org/NR/rdonlyres/DADB7B9A-E363-4CD2-B8B9E6DEDA2A6964/0/Global_Approach_Reducing_Emissions_251109web.pdf

WEBSITE ACCESS

IATA Partners gain access to the private fuel and environment pages of the IATA website for up-to-the-minute updates on IATA missions and other fuel activities.