



# fact sheet

**22 January 2016**

## **Oslo Airport first location to supply Air BP Biojet via main fuel hydrant system**

### **The Project:**

- Oslo Airport is the first location to deliver Air BP Biojet from an airport's main fuel farm.
- Supply of sustainable jet biofuel at Oslo Airport started in December 2015 with the official launch taking place on 22 January 2016.
- The Biojet is supplied by Air BP in co-operation with SkyNRG, and sponsored by the Norwegian airport operator and ANSP, Avinor; as well as the airlines Lufthansa Group, SAS and KLM, which have committed to buy the jet biofuel.
- Air BP has committed to supplying a minimum of 1.25 million litres of the sustainable jet biofuel blend directly into Oslo Airport's fuel hydrant system. It will be delivered to aircraft from the airport's common storage and distribution system without having to rely on segregated infrastructure.
- This is the first time that Air BP Biojet is being supplied without using separate infrastructure.
- The fuel is available to all airlines refueling at Oslo Airport.

### **The Product:**

- Finland-based Neste produces the sustainable jet biofuel that is produced from certified Camelina.
- Camelina is an oilseed crop, also known as a feedstock, which is native to Northern Europe and Central Asia. The flowering plant's unique properties allow it to be grown in semi-arid regions, as a rotational crop with traditional cereal, where other oilseed crops are not viable. It maximises fallow land periods and does not compete with other food crops or feedstock.
- The Camelina Oil is supplied by the ITAKA partner, Camelina Company Espana (CCE) and has grown and produced in Spain.
- ITAKA (Initiative Towards sustainable Kerosene for Aviation) is a collaborative project contributing to the development and use of sustainable biofuel in Europe. It is funded by the European Union's Seventh Framework Programme.
- The sustainable jet biofuel is a drop-in fuel, which is delivered to Oslo is a blend of the neat sustainable biojet fuel produced by Neste, and regular fossil jet A1 fuel in an approximate 48% biofuel to 52% fossil jet ratio. It meets the ASTM D1655/DEFSTAN 91-91 specifications for Aviation Turbine Fuels.

### **The product lifecycle and logistics**

- The feedstock was shipped to Neste's Porvoo refinery.
- Neste produced the sustainable biofuel using Camelina Oil.
- The first batch was delivered by truck to OSL on 30 Dec, 2015.
- The main batch was shipped to Gavle, Sweden, and blended with fossil Jet A-1 fuel and stored.
- From 13 Jan 2015, trucks have begun delivering Air BP Biojet fuel to Oslo Airport.
- It is then dropped into the main fuel hydrant system at Oslo.
- It will now, for the first time ever, be delivered to aircraft through the airports fuel hydrant system.



## **Towards a low carbon future – what it means to airlines and Norway.**

- The specifics for each batch of fuel will vary but the first batch of fuel supplied at Oslo Airport gives a 47% reduction in carbon emissions.
- Air BP will support contracted airline customers refuelling on jet biofuel in seeking exemption or offset from the EU ETS for the amount of jet biofuel procured.
- In Norway domestic flights are charged a CO<sub>2</sub>-tax in addition to the EU ETS levy of 1.04 NOK (approx. USD\$0.11) per liter of fossil jet fuel. Biofuel is however exempt from the tax.
- The Norwegian budget for 2016 proposes that flights using 25% of jet biofuel will receive a 25% reduction in airport landing fees. The terms of operation are still being clarified.
- From 1 January 2018 Norwegian Parliament proposes that the 25% rebate on aviation fuel will be replaced by a drop-in requirement.
- A drop in requirement already exists for road transport.

## **Additional information**

SkyNRG's independent Sustainability Board has positively reviewed the blend used for the biofuel drop-in. The board consists of the Dutch arm of the World Wide Fund For Nature (WWF-NL), Solidaridad and the Copernicus Institute of Utrecht University. This approval demonstrates that the biofuel exhibits minimal impact on biodiversity, meets a sustainability standard with respect to land, water, and energy use. In addition it confirms that it does not displace or compete with food crops and will provide a positive socio-economic impact.

Avinor has supported the supply of jet biofuel by sponsoring some of the start-up costs of the fuel production and a fixed contribution per tonne of fuel.

## **Notes to Editors**

### **Air BP:**

As the aviation division of BP, Air BP is one of the world's largest suppliers of aviation fuel products and services. It currently supplies over seven billion gallons of jet kerosene and aviation gasoline to its customers across the globe each year.

Through its direct operations, Air BP fuels more than 6,000 flights every day – that is over four aircraft every minute or one every 15 seconds. The company operates at more than 700 global locations in over 50 countries serving customers from private pilots to some of the world's largest airlines.

Air BP's technical and operations experts provide a complete aviation fuel consultancy service, including the design, build and operation of aviation fueling facilities, to help customers protect their operations and manage risks.

Customers range from domestic and international airlines, the military, business and private aircraft owners, as well as international airports and airfield operators.

Air BP's services for the general aviation and business aviation sector include the Sterling Card, which can be used throughout the global network, including self-serve locations, providing easy access to fuel for thousands of Air BP clients including private pilots, aircraft management companies and corporate flight departments. Air BP's card programmes were introduced in 1993 to bridge the gap between airline, general business and private aviation customers as an easy means of payment for aviation fuel on an as needed basis.

For a full list of locations served by Air BP, go to [www.airbp.com/wheretofind](http://www.airbp.com/wheretofind)

### **The Avinor Group:**

Avinor is a wholly owned state limited company under the Norwegian Ministry of Transport and Communications and is responsible for 46 state-owned airports. Oslo Airport is the major hub.



In addition to the airports, Avinor operates control towers, control centers and other technical infrastructure for safe air navigation.

Avinor is self-financed. Airport operations are managed as a single unit, in which financially profitable airports finance the financially unprofitable airports.

Avinor's goal is to reduce the total greenhouse gas emissions the Group controls regardless of traffic growth, and be a driving force in reducing overall GHG emissions from Norwegian aviation

Norway's first flights using biofuels were conducted in November 2014

Avinor has allocated up to NOK 100 million (app EUR 10 million) over a ten-year period (2013–2022) for initiatives and projects that can contribute to the realization of Norwegian biofuel production

Along with the airlines and Federation of Norwegian Aviation Industries, Avinor has explored opportunities to establish large scale production of biofuels for aviation, based on biomass from Norwegian forests. The conclusion is that this can be realised from 2020–2025. [www.avinor.no](http://www.avinor.no)

### **About SkyNRG**

SkyNRG is the global market leader for sustainable jet fuel, having supplied more than 20 airlines worldwide. SkyNRG sources, blends and distributes sustainable jet fuel, guarantees sustainability throughout the supply chain and helps to co-fund the premium. At the same time, SkyNRG focuses on developing regional supply chains that offer a real sustainable and affordable alternative to fossil fuels. SkyNRG has its operations RSB certified and is structurally advised by an independent Sustainability Board in which the World Wide Fund for Nature the Netherlands (WWF-NL), Solidaridad and the University of Utrecht hold a seat.

\*RSB (Roundtable on Sustainable Biomaterials) is an independent and global multi-stakeholder coalition that works to promote the sustainability of biomaterials. RSB's user-friendly certification scheme is the strongest and most trusted of its kind verifying that biomaterials are ethically, sustainably and credibly sourced.

[www.rsb.org](http://www.rsb.org)

[www.skynrg.com](http://www.skynrg.com)

### **About CCE**

Camelina Company Espana is the European pioneer and leader in sustainable camelina oil production. CCE has consolidated a complete value chain from planting seed to farmer to camelina oil production. CCE produces commercial volumes of camelina oil, involving more than 500 farmers in fallow land in semi-arid regions in Spain. R&D strategy is a core component for the company, including a breeding program aimed at developing elite camelina varieties for semi-arid regions in Europe. CE is the only camelina producer to be certified on sustainability under the Roundtable on Sustainable Biomaterials Scheme (RSB). [www.camelinacompany.es](http://www.camelinacompany.es)

### **About Neste Corporation**

Neste is a pioneer in oil refining and renewable solutions. We provide our customers with premium-quality products for cleaner traffic and industrial products based on world-class research. We are the world's leading producer of renewable diesel with the annual production capacity of 2.4 million tons. We also are the world's largest company providing renewable fuel from waste and residues. Our sustainable operations have received recognition in the Dow Jones Sustainability World Index and the Global 100 list of the world's most sustainable companies, among others. More information:

<https://www.neste.com/fi/en>