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ICAO SEMINAR ON
ALTERNATIVE FUELS 2017
ICAO Headquarters, Montréal, 8-9 February 2017

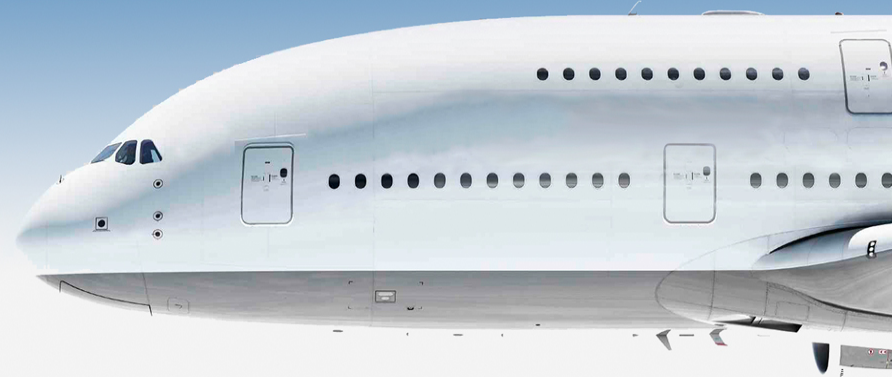


Delivering Aircraft with BioJet

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AIRBUS



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Introduction

- We know the context ...
 - BioJet is one of the key measure for reducing aviation CO2 emissions in the long-term
 - BioJet availability and cost are still THE MAIN issues
- ... we need to take actions
 - Create the conditions to scale-up the use of BioJet
 - Propose solutions through strong partnerships
 - Launch and deliver projects ...



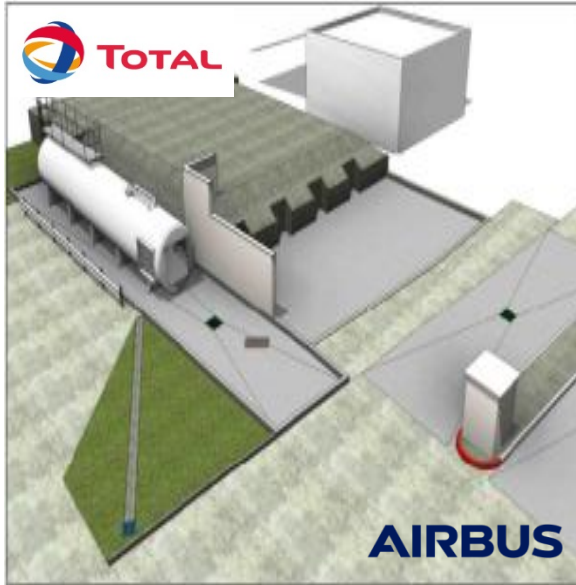
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The BioJet delivery platform



- 50 m3 storage capacity of pure Biojet
- Fully connected to the existing fuelling facility
- 10% SIP blend done on a monthly basis
- Transparent aircraft fuelling operations
- Quality checks performed regularly on samples (JET-A1 ASTM compliance)





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Achievements

AIRBUS

- Platform built in partnership with Total to provide BioJet on delivery flights
- Partnership with Cathay Pacific and Total
 - Delivery of all Cathay A350-900 with BioJet from TLS to HKG (12 hours flight)
 - Up to 48 flights planned from 2016 to 2018
 - 125,000 gallons (475 m³) of BioJet (Jet-A1 blend with 10 % Farnesane)
- Environmental benefits
 - A350 XWB is around 25% more fuel-efficient (thus CO₂) than current Wide-Body generation aircraft
 - Using 10% biofuel blend can improve this CO₂ reduction to well over 30%
- Up-to-now...
 - 10 Aircraft have been delivered from May to December 2016
 - Regular operations ongoing without any issue





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Next steps

- Use the BioJet delivery platform for other customers
- Extend the concept to other delivery centers in Airbus
- Demonstrate BioJet business case viability
 - Deliver BioJet at Toulouse Airport and for internal Airbus operations
 - Involve the Public Authorities and develop “green deals” (at National or regional level)
- Promote Scale-up in France
 - Propose a deployment plan committed by the Industry (AirFrance, Airbus, Safran, Suez, Total)
 - Secure Production – Encourage demand
 - Deliver BioJet at several Airports



Total refinery in La Mede (France)
to entry into service in 2018



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3 policy requests to states?

- Create ambitious framework and roadmap specific to aviation for “clean energy” deployment and transition
- Prioritize renewable fuels for aviation and promote alternatives for other transport modes
- Be clear and engaged on aviation “clean energy” objectives at ICAO level and push for deployment



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