In the Tank Now: Neste Renewable Jet Fuel

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Two Demonstration Projects:

BurnFAIR
- 2011
- Lufthansa
- 1187 scheduled flights between FRA and HAM
- 50% blend

ITAKA
- 2014-16
- KLM, Lufthansa, SAS
- Oslo airport
- Several partners
- Hydrant
Preconditions for Successful Deployment of Alternative Fuels

- Well-working Fuel standard specification
- Sustainable feedstock
- Production technology and capacity
- Reliable and rapid testing for quality control
- Reliable logistics chain
- Good cooperation with all parties
Well-working Fuel specification

- ASTM D7566 specification (HEFA)
- Drop-in is an essential enabler
- Still a lot to be learned. E.g. the study ”High Biofuel Blends in Aviation (HBBA)”
- “HEFA+” in the making
Sustainable feedstock

• Sustainability criteria need to be in place and valid for full business cycle
• Adequate volumes need to be available
Production technology and capacity

• Reliability and flexibility of technology
• Capacities in place and in sight to guarantee availability and competition
• Adoption of the ”HEFA+” specification will multiply the available production capacity
...and by the way...
...one more precondition...

- Viable economics