Around the world on SAF in 10 minutes

Singapore, November 2018
SkyNRG

- Founded in 2009 to help make the market for sustainable aviation fuel

- Independent Sustainability Board to advise
  - Certified by RSB

- Relevant partnerships

- Global network including airlines, airports, fuel producers, OEM’s and NGO’s
- Unparalleled knowledge combination of conversion technologies, sustainability, (EU) policy and downstream operations
- Team of 20 experts
- 100% aviation focused
- Amsterdam based
We supplied around the world. It took 7 years to reach all continents.
Airports around the world are creating initiatives
Current Government policies in place or expected

**Renewable Energy Directive 2 (RED 2)**
- EU countries must ensure that 6.8% of their transport fuels are from renewable sources by 2030
- The biofuel targets are calculated based on the fuel use in road and rail transport (excl. Aviation)
- However, preferential rules apply to the use of biofuel in aviation on a voluntary basis (1,2 X)

**SAF Mandate**
- Norway 0.5 % (per Jan 2020)
- Indonesia 2% per 2016 (not enforced)

**Flight tax**
- Germany
- Sweden (per 2018)
- The Netherlands & Finland (expected)

**Renewable Fuels Standard 2 (RFS 2)**
- Mandates that an increasing amount of US fuel comes from sustainable fuels
- The RFS2 is imposed on refiners and importers of gasoline and diesel but not jet fuel
- However, SAF does generate RINs that can be sold to parties having to meet sustainability targets set by RFS2 (e.g. oil majors)

**low-carbon fuel standard (LCFS)**
- SAF included per 2019
Altair/World Energies expansion (306 Million USG)
Working on a dedicated SAF production unit in Europe

Supported by:

SkyNRG
Production will be based in the Netherlands and use HEFA technology

De-Risking is key

- Proven conversion technology
- Stable policies/incentives
- Feedstock de-risking strategy
- Long term off takes