

Green fuel takes off at Farnborough

Boeing and Alder Fuels are to boost the production of “sustainable aviation fuel” (SAF). The plane maker has committed to flight-test the fuel and construct 100% SAF-capable aircraft by 2030

■ **SAF:** Next generation aviation fuel, made from 100% renewable waste and residue raw materials



■ **Materials:** Include soybeans, mustard seeds, used cooking oils and animal fats, biomass and agricultural waste

■ **“Drop-in” fuel:** Must use existing engine technology



■ **Fuel:** Chemically identical to fossil-based aviation fuel

■ **Low carbon content:** Far lower carbon dioxide emissions than fossil-based fuel



■ **Blend:** 50% mix with petroleum jet fuel certified currently. Industry ambition to reach 100%

■ **Performance:** Equal to or exceed existing fuels



■ **May 2022:** *United Airlines* signs deal with *Neste* to buy 200 million litres of SAF for United flights at Amsterdam's Schiphol Airport

■ **Cost:** Typical price of petroleum jet fuel is €600/tonne

SAF: Up to
€1,015
per tonne



■ **European Union:** Jet fuel at EU airports to be 2% SAF by 2025, increasing to 63% in 2050