



We are

4,833

dedicated professionals committed to our purpose

We are

4th

most sustainable company in the world (Global 100 Index 2021, Corporate Knights) We produce

34 Million

gallons per year of SAF

by 2023 our production of SAF expands to

515 Million gpy



## **NESTE MY**Sustainable Aviation Fuel





- Compatible with existing jet engines and fuel supply infrastructure
- Commercially available and in use
- Used in blends up to 50%



### Greenhouse gas emission reduction

- In neat form, reducing GHG emissions up to 80% compared to fossil fuels over the lifecycle
- Produced 100% from renewable wastes and residues raw materials
- Direct in-sector emission reduction, unlike offsets



### Reduction of non-CO<sub>2</sub> effects

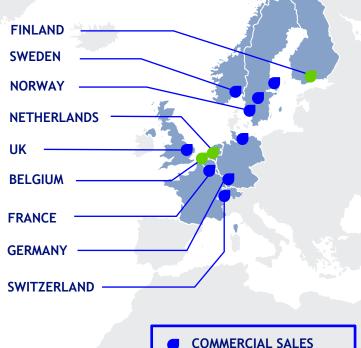
- Burns clean, reducing local emissions
- Additional climate benefits through reduced particulate emissions (non-CO<sub>2</sub> effects of aviation may have equal or higher climate impact than carbon emissions<sup>1</sup>)





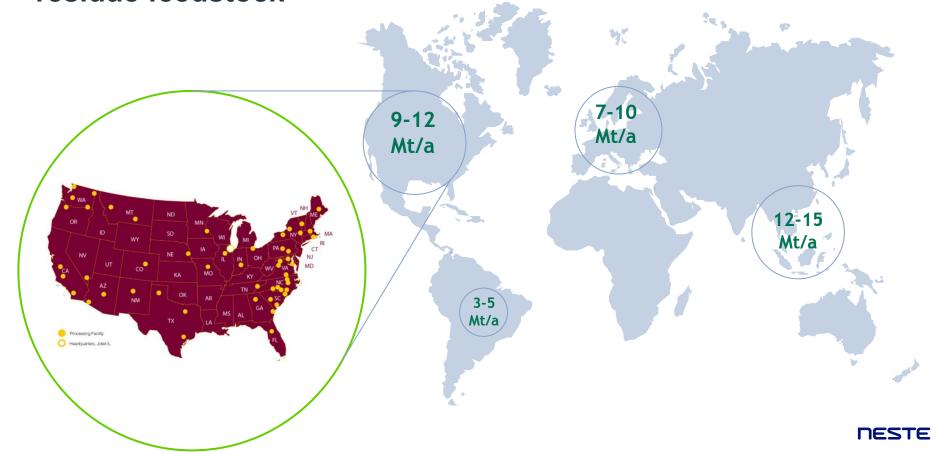
Following start of commercial sales in 2019, Neste's SAF is in use on a commercial basis across the world







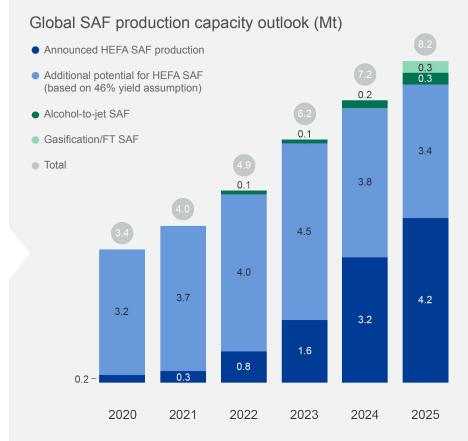
Building a global platform for access to available waste and residue feedstock



## Near term Sustainable Aviation Fuel capacity is almost all HEFA, dependent on lipid feedstocks

Demand certainty for SAF can drive new investments for additional capacity in addition to pipeline in place





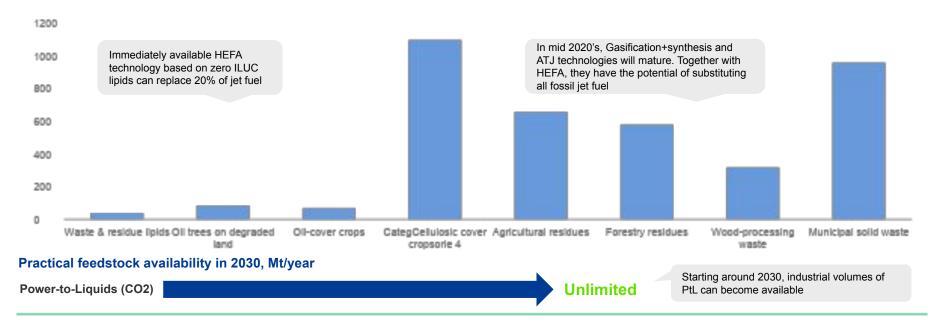


## Sufficient bio-feedstock potential for substituting fossil jet fuel

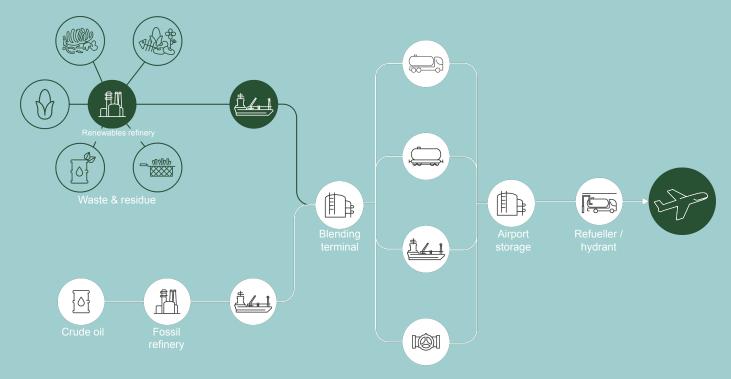
Power-to-liquids will bring unlimited additional potential as the technology matures

Up to 120% of estimated global jet fuel demand of 410 Mt in 2030

Estimated SAF potential 490 Mt in total in 2030



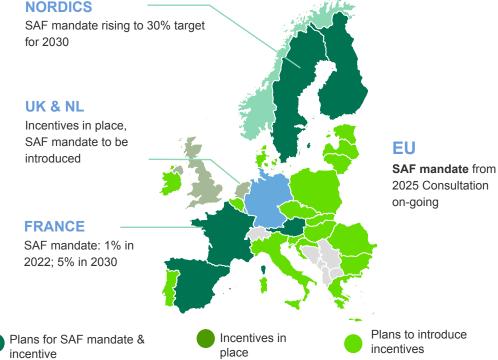
## Existing infrastructure without major modifications can be used to supply SAF

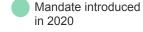


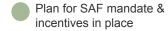
### Regulatory support is key in driving SAF use & supply

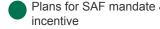
Incentives in place in many markets to bridge the price gap to fossil fuel. Supply mandates are also being introduced















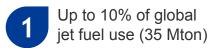
# Neste's SAF capacity will grow to 1.5 million tonnes (0.5 bn gallons) in 2023

And will continue to expand with new technologies

Technical potential "unlimited"

Potential exceeds global jet fuel use

Power-to-liquids (CO<sub>2</sub> capture)



Technologies close to commercialization (municipal solid waste, lignocellulosic, etc.)

#### HEFA<sup>1</sup>

(waste and residue oils and fats as raw materials)

#### **Neste SAF scale up**

- Current: 100 kton/a in Porvoo
- 2023: 1 Mton/a in Singapore (under construction)
- 2023: 450 kton/a in Rotterdam (feasibility study on-going)
- SAF capacity included in future renewable refineries



