

ICAO STOCKTAKING SEMINAR TOWARD THE 2050 VISION FOR SUSTAINABLE AVIATION FUELS



Deployment of sustainable aviation fuels at KLM

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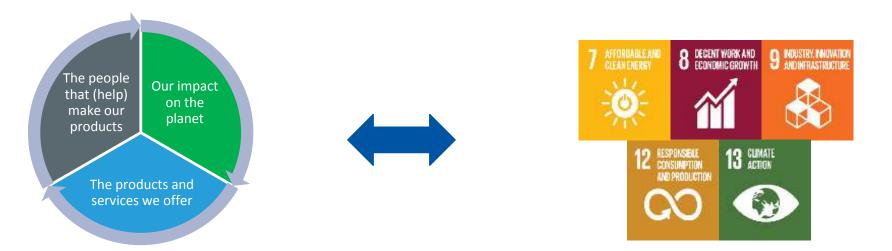
Sr. manager Environmental strategy, KLM

Sustainability is an integral part of our operations since it is our license to grow

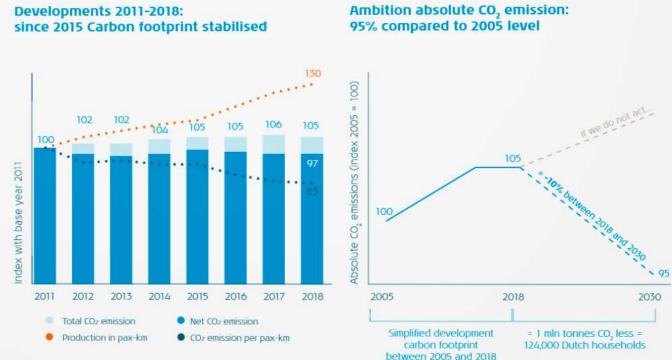
KLM ambition: to become Europe's most customer-centric, innovative and efficient network carrier

In order to fulfill our ambition and secure our future we execute a Sustainability strategy:

- We integrate sustainability in our operations and focus on those activities that are recognised by our customers, staff and society as a whole.
- > We contribute to the UN Sustainable Development Goals (SDGs) by working on 3 action areas.



To fulfill KLM ambitions, need for SAF is key





Upscaling of sustainable fuel thanks to our partners in the Corporate Biofuel Program





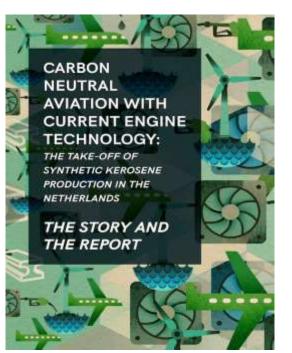
In 2018, KLM opened its most sustainable route to Växjö

- It is 5% fuelled by biokerosene and the rest of the CO2 emissions are compensated for with CO2ZERO
- Swedish company Södra joined as partner in the KLM Corporate Biofuel Program



New pathways in our SAF roadmap





Research to synthetic fuels:

- Consortium with local supply chain, logistic partners and governmental support.

Signing agreement with Costa Rica to deploy local SAF production and flights from San Jose to Amsterdam:

- Multi stakeholder approach in which the knowledge from KLM, SkyNRG and local supply chain partners are linked to governmental programs.





Sourcing sustainable aviation fuels is still a major challenge:

- ASTM approval process is strict and costly;
- Sufficient knowledge is required for the right sourcing strategy;
- Sustainable feedstocks and sustainability of SAF processing requires clear and robust definitions

Aviation industry cannot do it by itself:

- Supply and demand are interlinked;
- The entire supply chain from feedstocks to end users must be involved;
- Societal and political expectations should be met.

Governmental support is conditional:

- Meeting a level playing field with fossil kerosene and other fuel markets;
- Set a stable policy and proper incentives for multiple years;



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