

ICAO STOCKTAKING SEMINAR TOWARD THE 2050 VISION FOR SUSTAINABLE AVIATION FUELS



# Deployment of sustainable aviation fuels at KLM

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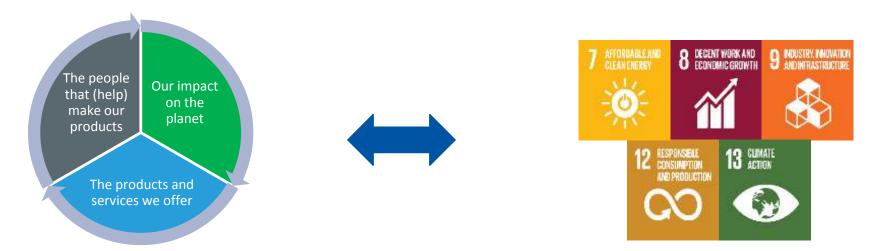
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## Sustainability is an integral part of our operations since it is our license to grow

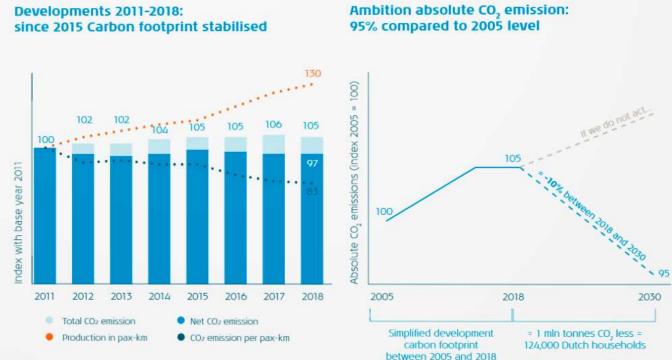
#### KLM ambition: to become Europe's most customer-centric, innovative and efficient network carrier

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





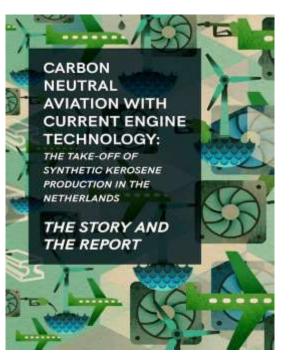
## In 2018, KLM opened its most sustainable route to Växjö

- 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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