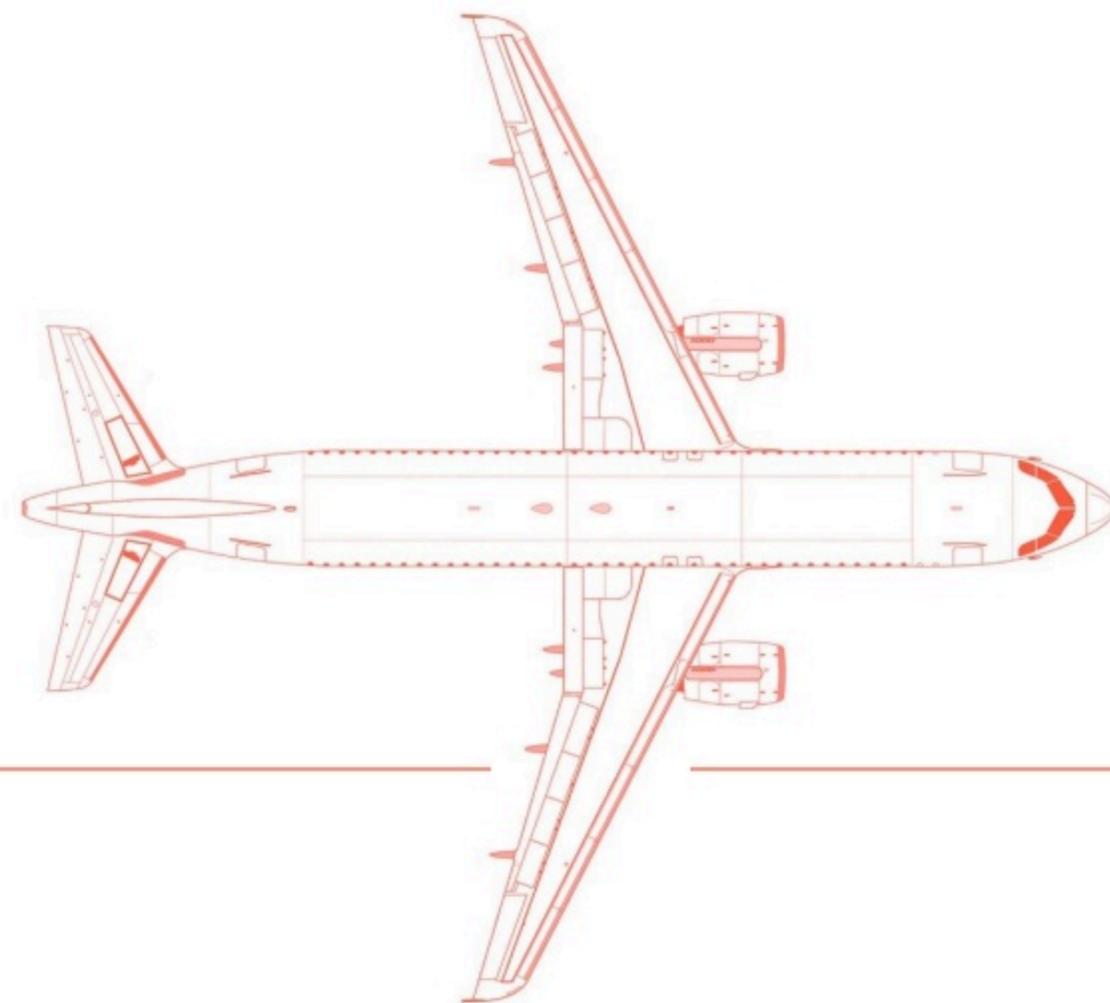
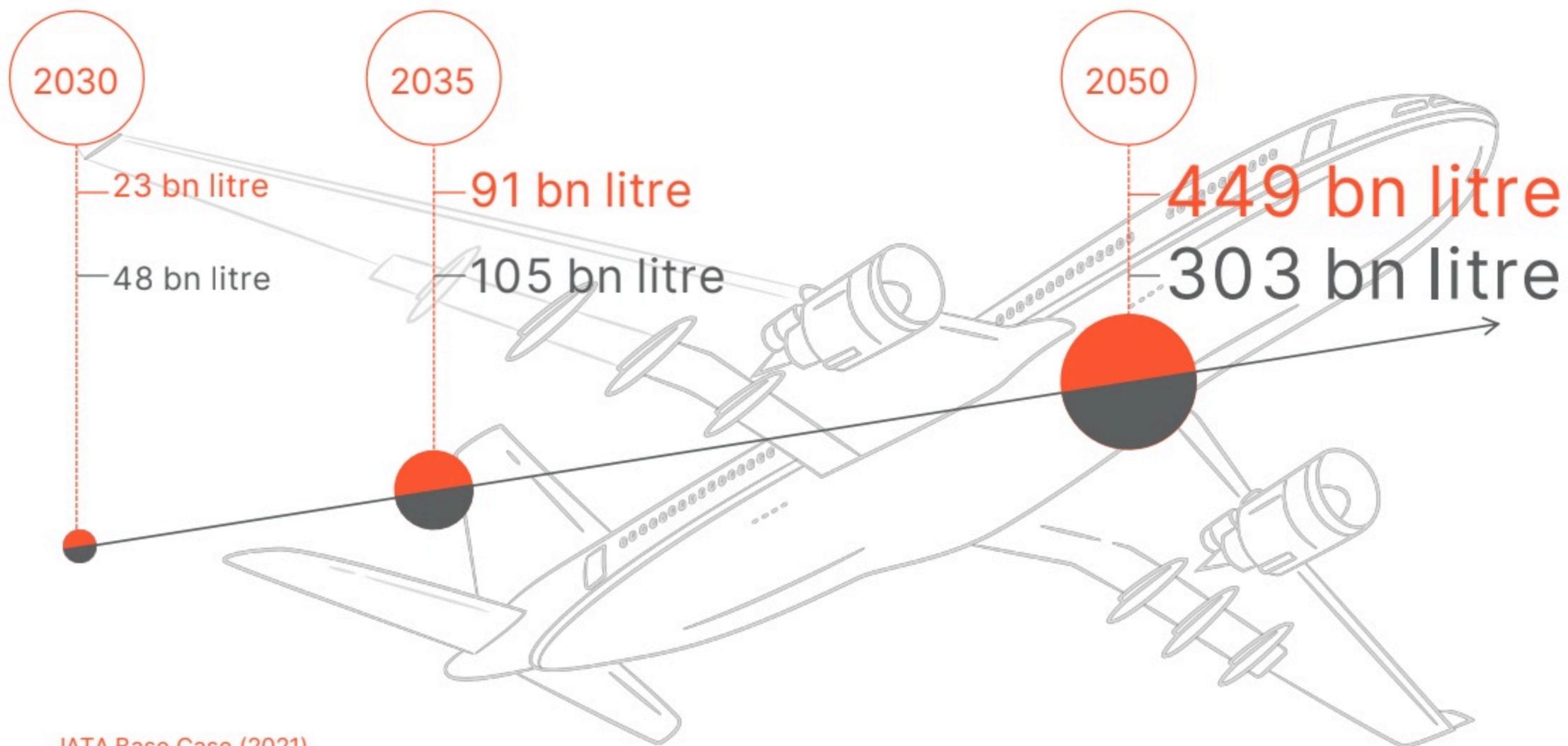




# Powering the future of air travel with sustainable aviation fuel



# SAF market size



IATA Base Case (2021)  
IEA Data (2023)

# 70%

of jet fuel market expected to be SAF by 2050.

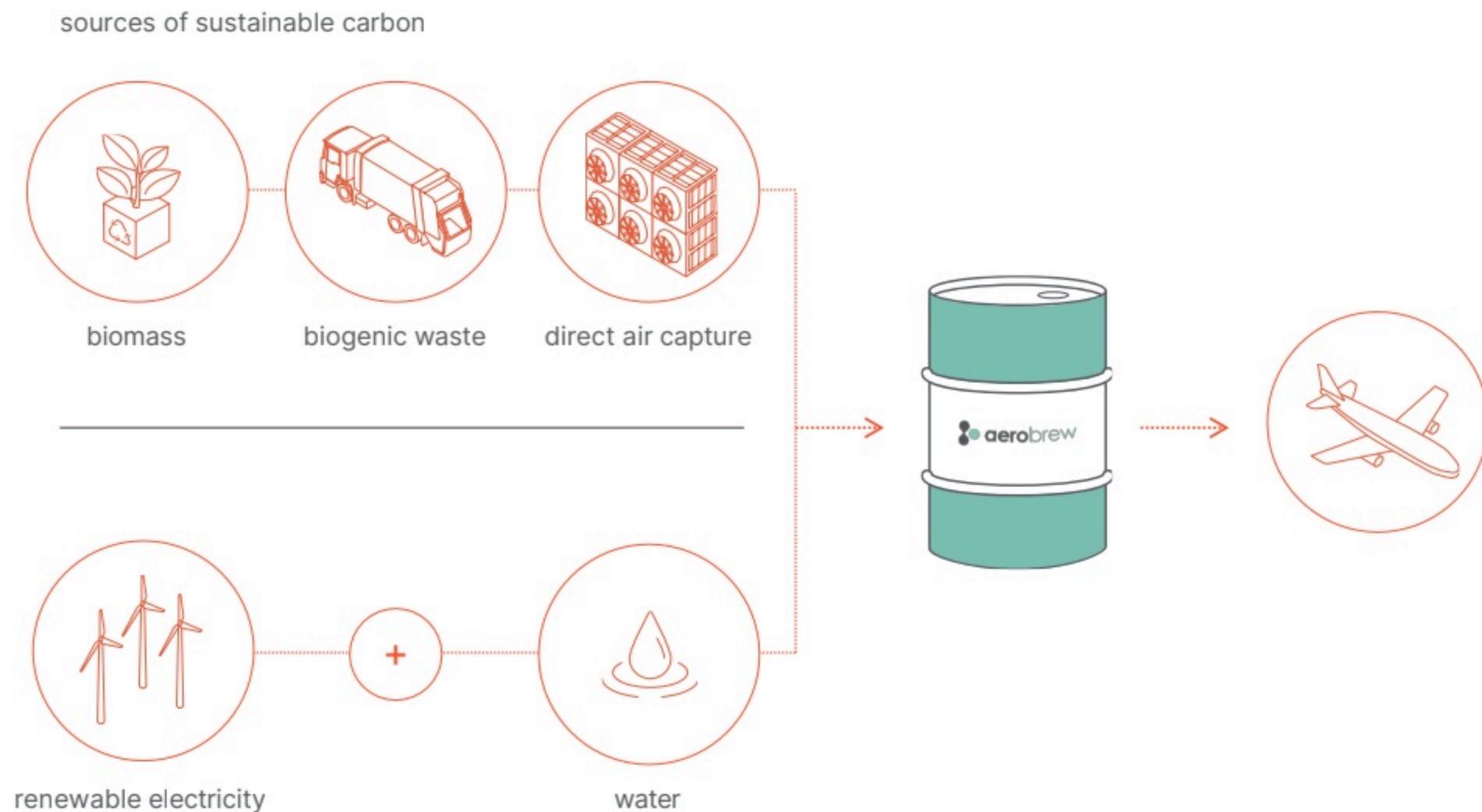
Various jurisdictions, e.g. EU, introducing SAF blending mandates, including sub-mandates for eSAF.

# Process

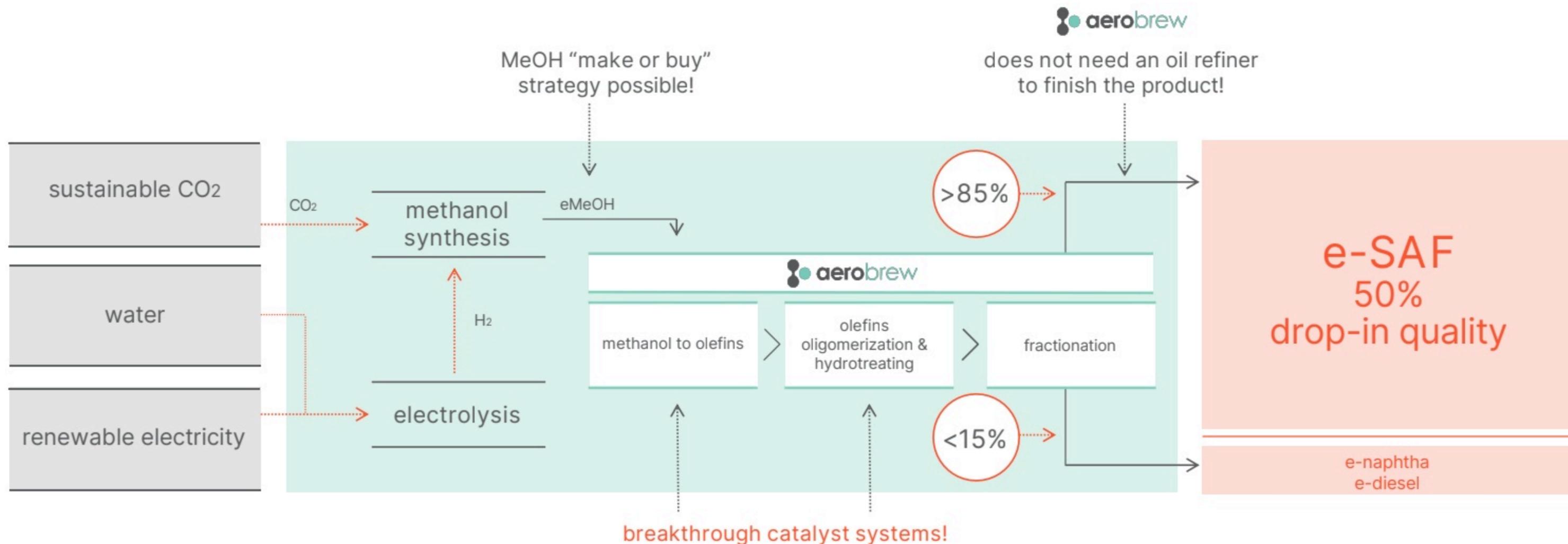
→ **aerobrew** is an efuel technology, promising to make affordable net-zero aviation a reality.

→ Leverages nanotechnology, to produce eSAF from green methanol with ultra-high yield.

→ Integrated into renewable energy systems and independent of food and feed supply chains.



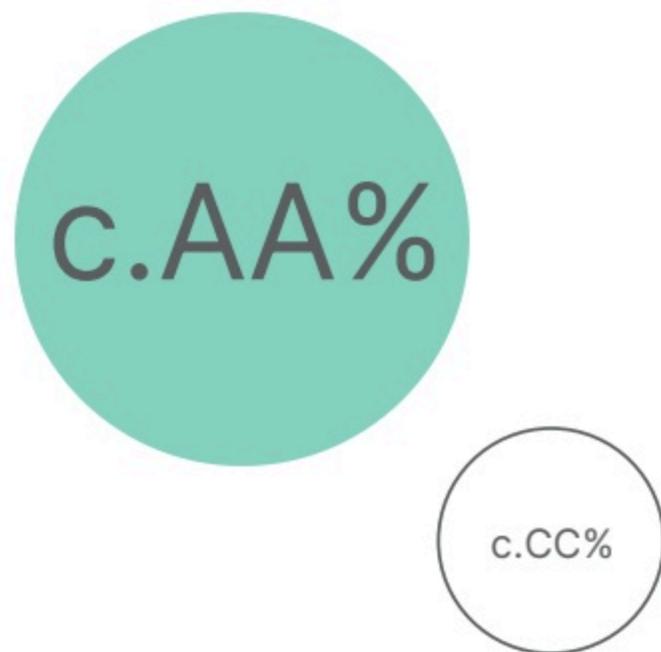
# aerobrew e-SAF production plant



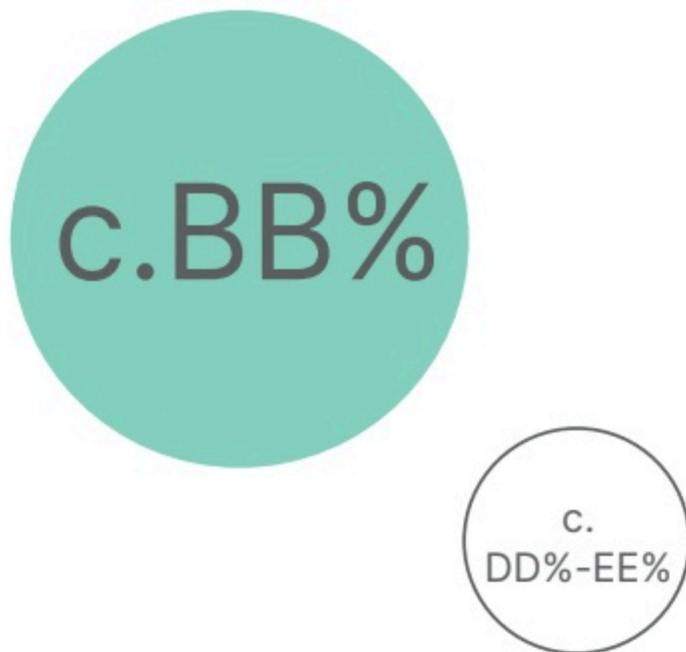
feedstocks      aerobrew core units      integrated methanol-aerobrew production plant      liquid products

 **aerobrew** vs competing e-SAF production technology

**e-SAF yield**



**Energy efficiency to SAF**



**Scalability**



**Cost of production**

c. x USD/litre

Depending on project location and boundary conditions

c. 2x USD/litre

 **aerobrew**

- makes best use of valuable sustainable carbon through ultra-high SAF yield
- uses renewable energy resources most efficiently, and
- has lowest cost of production

Scalability up to

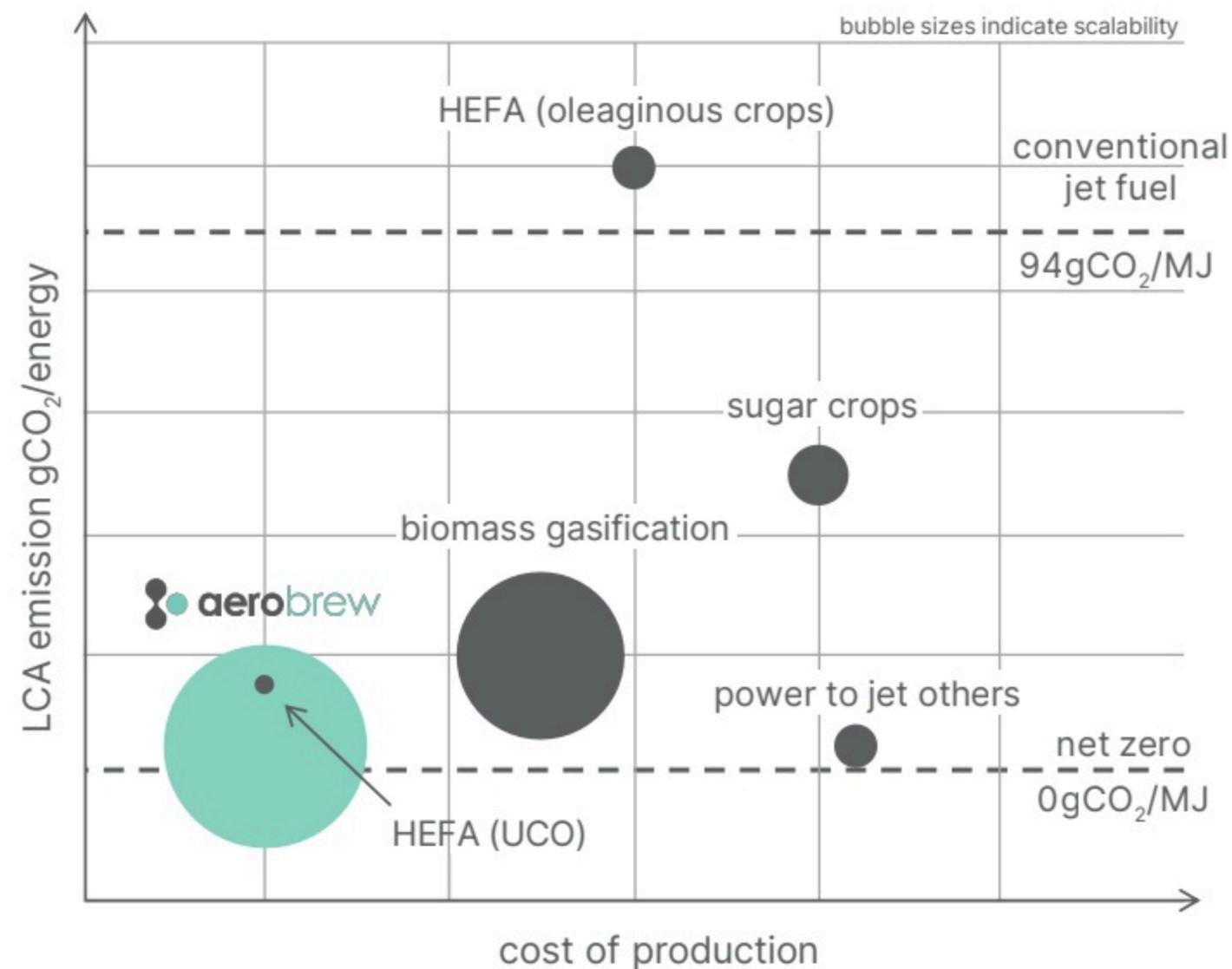
**2000**

ton/day

-  **aerobrew**
-  Competing (current state of the art)

# USPs

- Cost leadership through ultra-high yield and high efficiency
- Environmental performance
  - significant reduction in lifecycle emissions compared to conventional jet fuel (up to 90%)
  - avoiding “food or fuel” dilemma of biofuels and associated emissions from displacing food crops (indirect land use change)
  - low water consumption
- High scalability with technology placing no constraint on plant sizes



# Technology development

## 2020-onwards

### Product development and testing

- IP development and protection
- optimisation of catalyst and process
- developing supply chains
- generation 2 performance fuels

## 2024-2026

### Mini pilot 1-2 litre per day

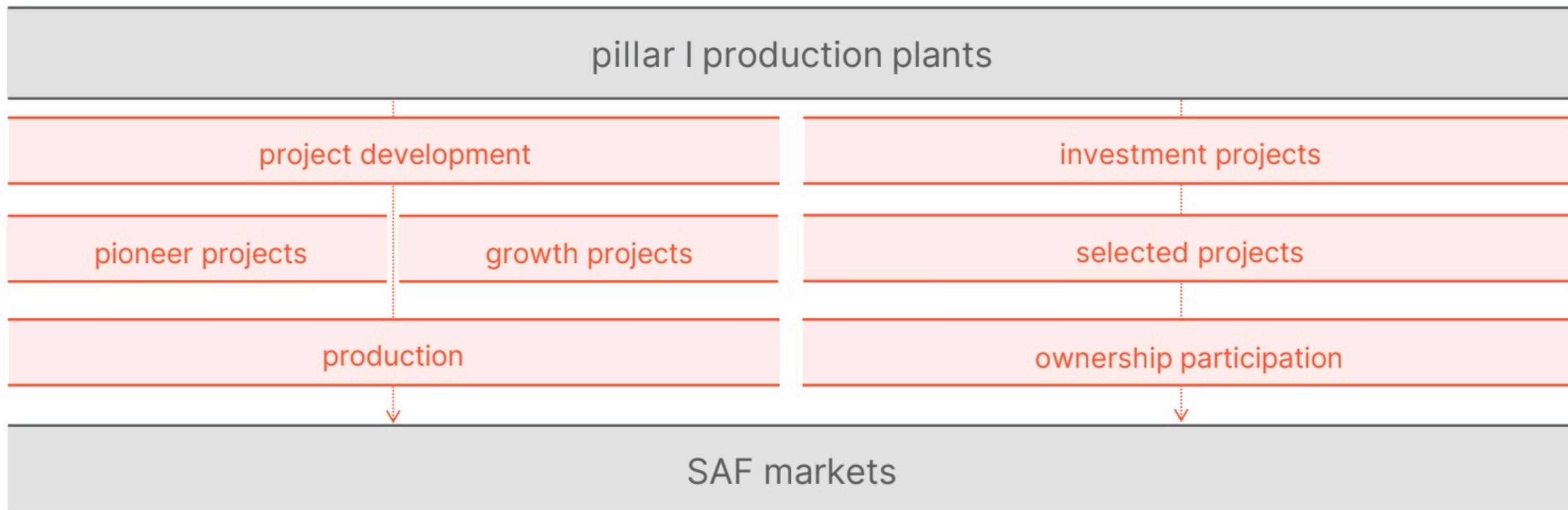
- catalyst testing
- reactor system testing & optimisation
- pilot plant pre-trials

## 2025-2026

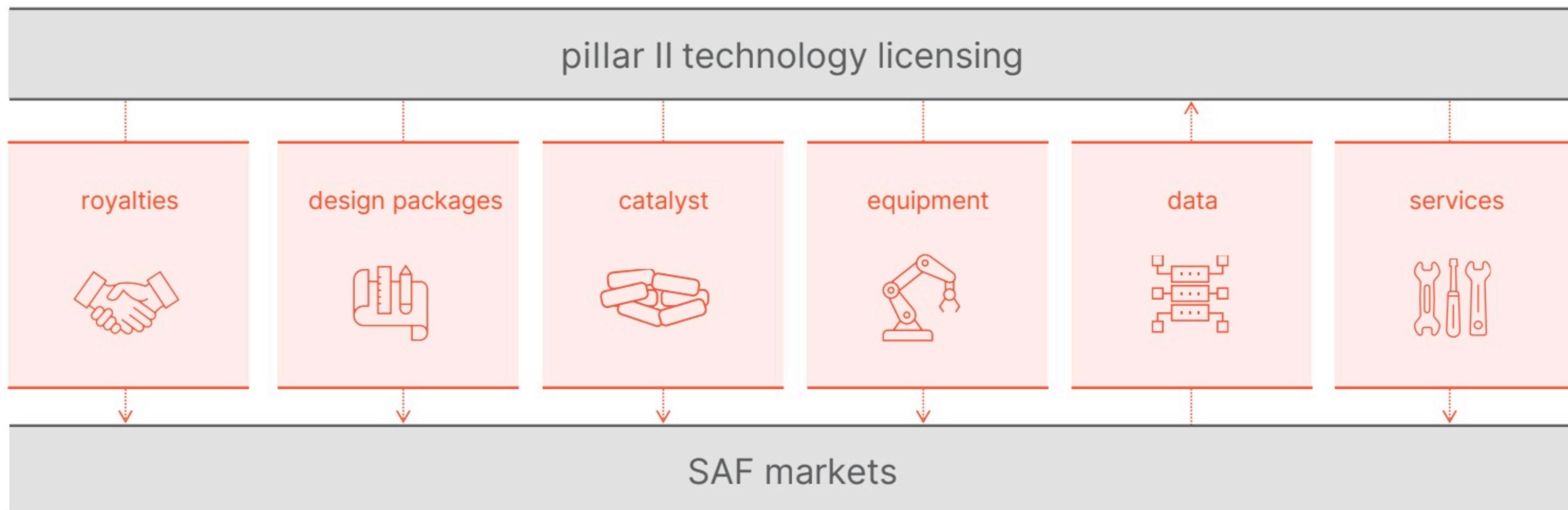
### Pilot plant ca. 50 litre per day

- technology demonstration facility
- fuel for ASTM D4054 accreditation
- testing supply chains
- process simulator development

# Business model



# Business model



# Commercialisation

2023-2028

from 2028

## Pioneer plant(s)

ca. 3.5 million litre per year

Developing and implementing first scale-up projects; establishing technology in the market

Building commercial arrangements: securing sites, feed and offtake agreements, etc.

FEL-1 kicked off for first Pioneer

Maturing supply chains (catalyst, prop equipment)

## Growth

plants of up to 700 million litre per year

Production plants and licensing

- Project development activities continue
- Leverage investment opportunities
- Expand third party licensing business

# Market traction



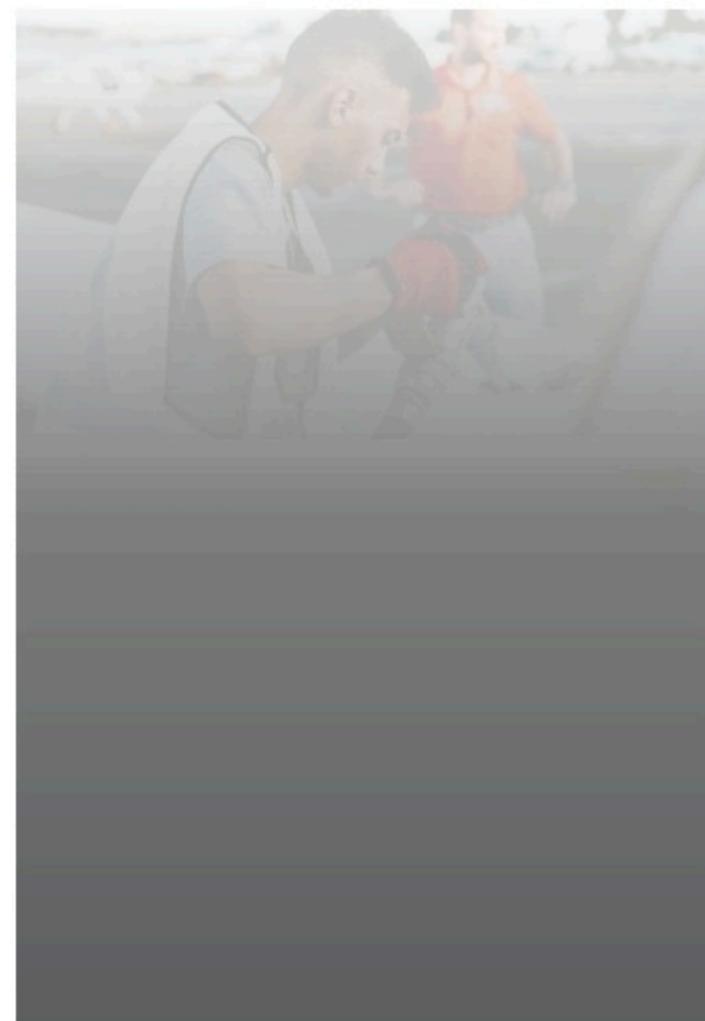
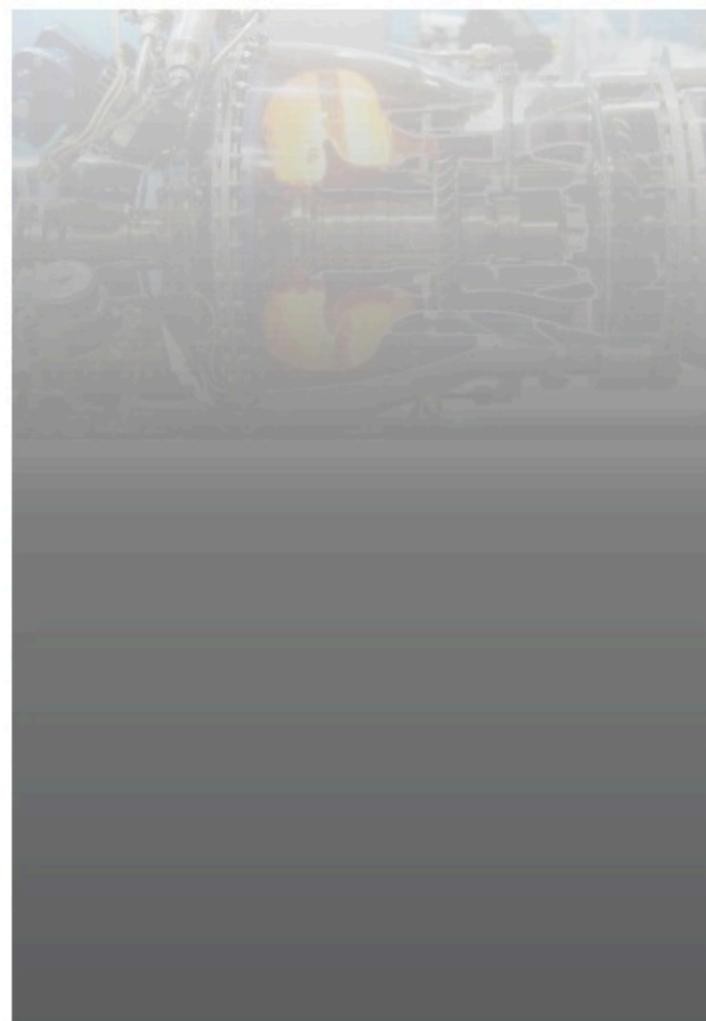
29th June, 2023



## Metafuels, European Energy sign MoU to develop a methanol-to-jet sustainable aviation fuel project

Metafuels', proprietary aerobrew technology will be used to produce e-SAF using feedstock from one of European Energy's...

[Read more](#)



# United in cause, complementary, determined - the leadership team



**Saurabh Kapoor, CEO**  
B. Eng. (Mechanical)



**Dr. Leigh A. Hackett, Chairman**  
CEng, FIChemE



**Ulrich Koss, CTO**  
Dipl. Ing. (Industrial)

## Investors



## Technology development partner





Come join us!

We've come a long way in a short time.  
But our journey is just getting started.





## Browse the best pitch deck examples.

Brought to you by [bestpitchdeck.com](https://bestpitchdeck.com) — the world's largest library of pitch decks: hundreds of winning presentations from leading startups, updated every week.

[Read more →](#)

Follow us [@pitchdecks](#)    

