



**INERATEC**

**The E-Fuel Company\***

\*since 2016, with over 100 people fueling the future today.

PROBLEM

# Decarbonizing hard to abate sectors

PROBLEM





PROBLEM

A front-facing view of a white truck on a dark asphalt road. The truck has four auxiliary lights on its roof and a prominent grille with a logo. A blue callout box with the word 'PROBLEM' is positioned over the windshield. The background shows a field and a cloudy sky.

PROBLEM

SOLUTION



SOLUTION



SOLUTION





VISION



**A liveable planet  
and access to affordable, reliable, sustainable  
and post-fossil energy for all.**

MISSION



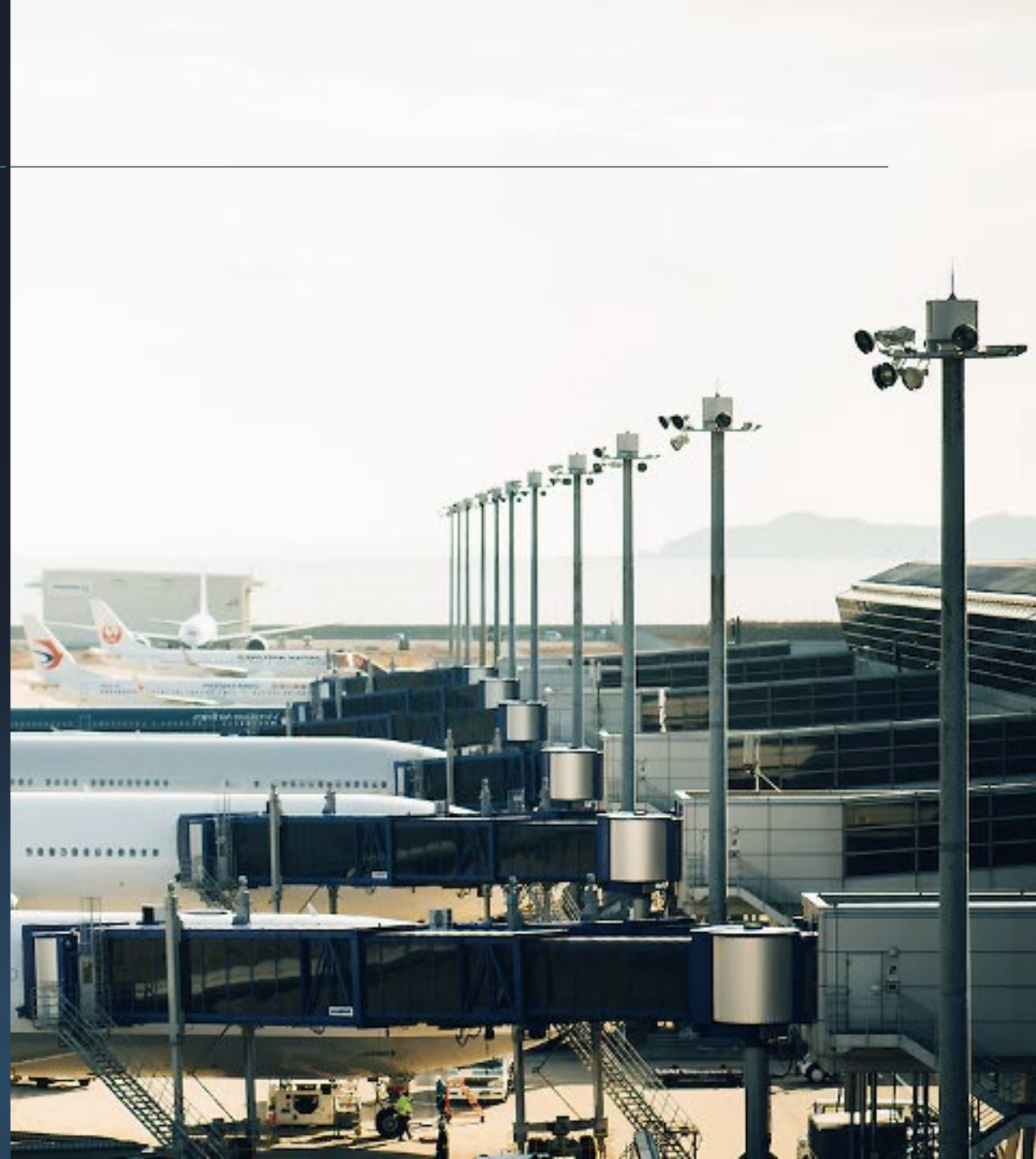
WE CREATE A MULTI-MEGATON  
CO<sub>2</sub> RECYCLING POTENTIAL

We **recycle CO<sub>2</sub>** and **use green hydrogen** to produce sustainable and affordable ready-to-use **e-fuels** for the transportation industry and **substitute fossil raw materials** in the chemical sector.

BUSINESS MODEL

# We sell e-Fuels

As a solution provider, we deliver drop-in ready  
SAF (Sustainable Aviation Fuel), AvGas  
(Aviation Gasoline), e-diesel and e-methanol.



# We sell e-Chemicals

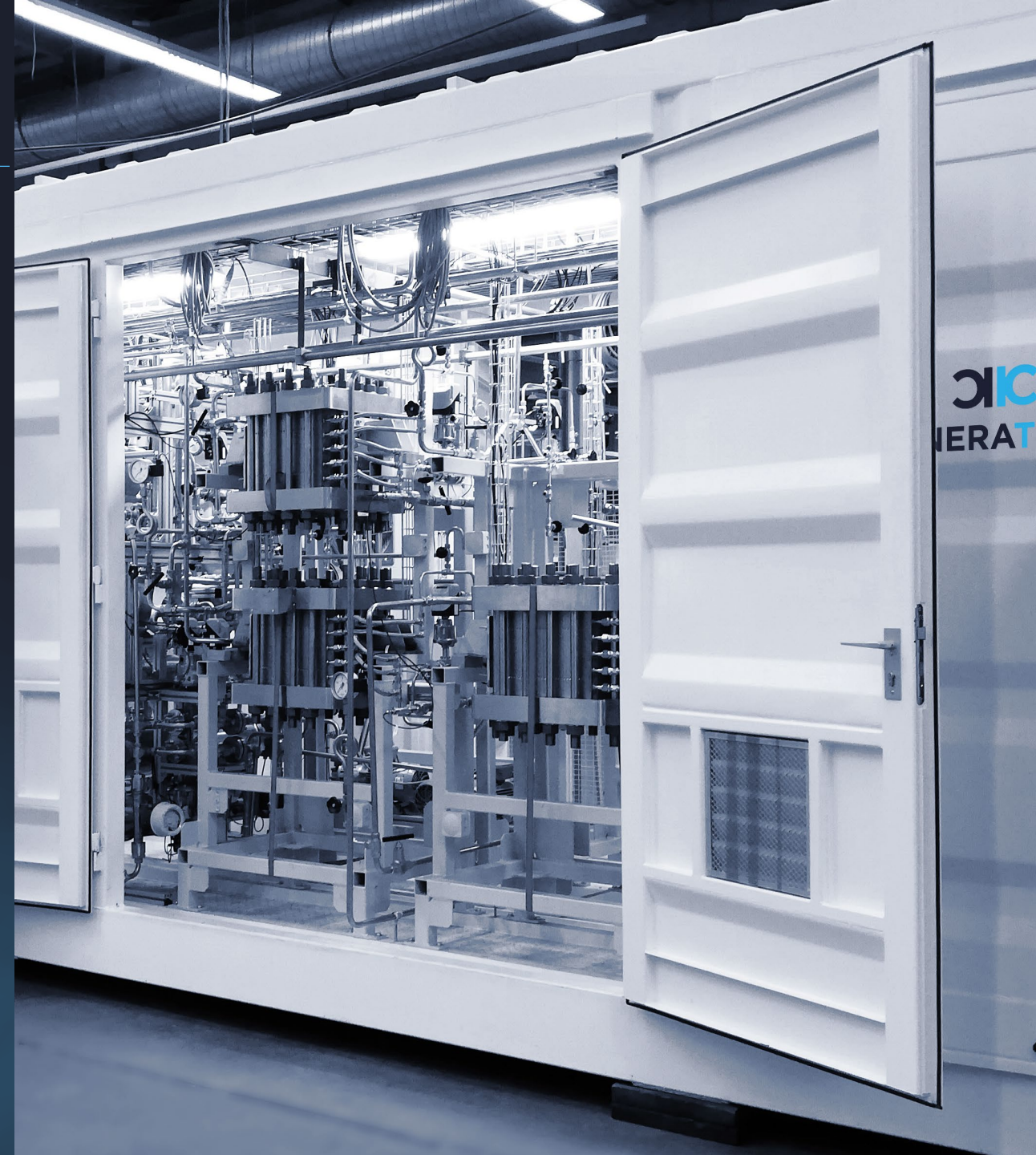
Our chemical base materials (waxes and methanol) form the ideal carbon-neutral feedstock for the development of sustainable chemical products.



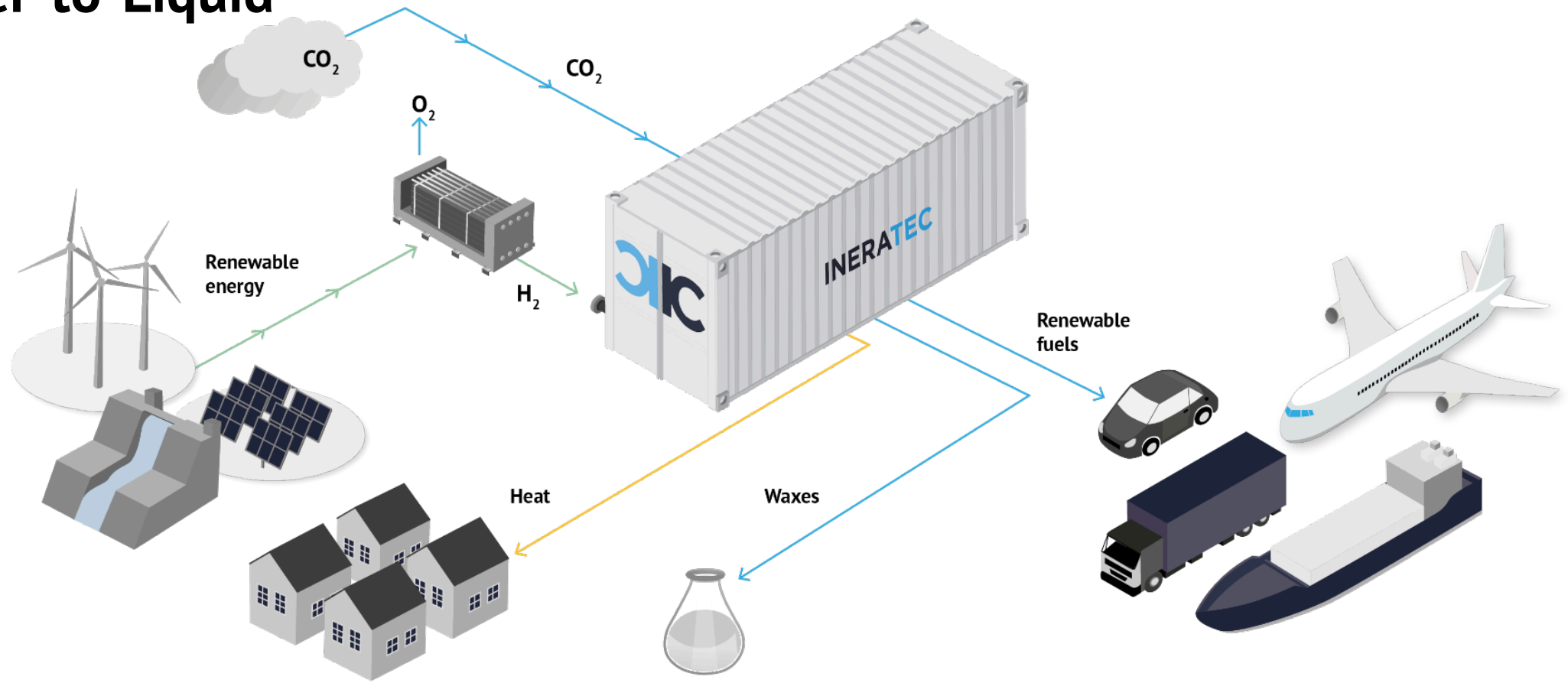
BUSINESS MODEL

# We sell Power-to-X-Plants

As a technology provider,  
we offer modular chemical plants for  
Power-to-X applications.



# Oilfield of the future: Power-to-Liquid



# Scalability through modular approach

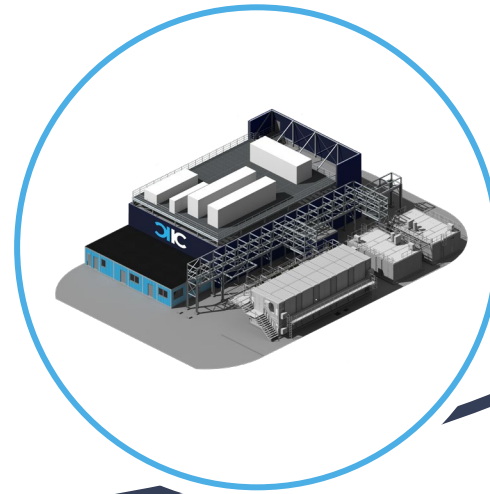
Research and demonstration plants



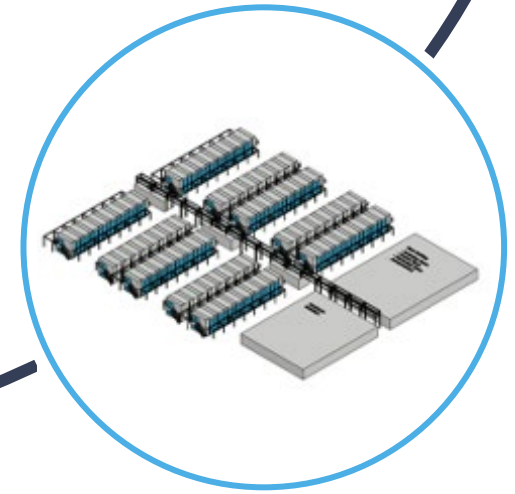
Industrial pilot plant



Commercial pilot plant



Commercial roll-out

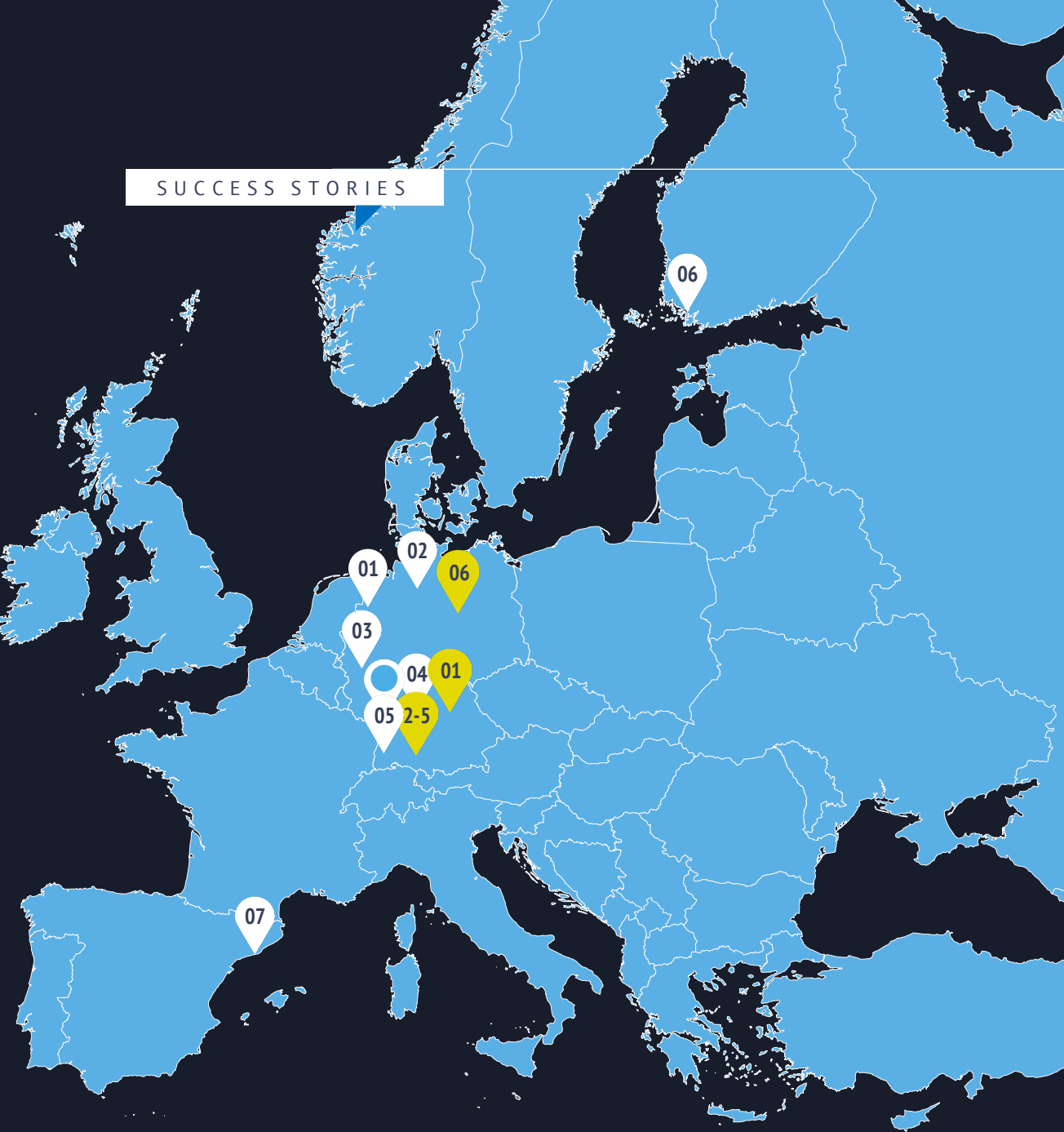


0 t/a


> 2,500 t/a

10<sup>x</sup> t/a

## SUCCESS STORIES



### INERATEC HEADQUARTERS:

 Karlsruhe, Germany

### KUNDENPROJEKTE:

- 01:** Lufthansa Cargo,  
Werlte, Germany
- 02:** H&R GmbH & Co. Kga,  
Hamburg, Germany
- 03:** Synhelion SA,  
Jülich, Germany
- 04:** MPC Group, UNITI e. V.,  
Frankfurt a.M., Germany
- 05:** Karlsruhe Institute for  
Technology (KIT),  
Karlsruhe, Germany
- 06:** Neste through VTT,  
Espoo, Finland,
- 07:** Naturgy,  
Sabadell, Spain

### FORSCHUNGSPROJEKTE:

- 01:** ICO2CHEM,  
Frankfurt, Germany
- 02:** Powerfuel,  
Karlsruhe, Germany
- 03:** P2X Kopernikus-Project 1,  
Karlsruhe, Germany
- 04:** P2X Kopernikus-Project 2,  
Karlsruhe, Germany
- 05:** KEROGREEN,  
Karlsruhe, Germany
- 06:** E4Mewi,  
Bitterfeld-Wolfen, Germany



01: AVIATION

## Client: Karlsruhe Institute of Technology



**TASK:**

Production of jetfuel

**TARGET:**

Producing up to 200l/day

**STATUS:**

In operation

**PLACE:**

Karlsruhe, Germany



## Client: Atmosfair GmbH



**TASK:**

E-Crude for aviation

**TARGET:**

Producing up to 350t/year

**STATUS:**

Commissioning of plant

**PLACE:**

Werlte, Germany

**PROJECT ASSOCIATES:**

Lufthansa Cargo AG



03: CHEMICAL INDUSTRY

## Client: H&R Group



**TASK:**

Production of synthetic chemicals

**TARGET:**

Producing up to 350t/year

**STATUS:**

Commissioning of plant

**PLACE:**

Hamburg, Germany



## Client: Synhelion



**TASK:**

Production of kerosene

**TARGET:**

Producing up to 90t/year

**STATUS:**

Plant in delivery

**PLACE:**

Jülich, Germany

**PROJECT ASSOCIATES:**

Lufthansa AG,  
Swiss International Air Lines



05: BUILD OWN OPERATE

## Build-Own-Operate: Frankfurt-Höchst



**TASK:**

Delivery of e-fuels and e-chemicals

**TARGET:**

Production of up to 3.5m liters p.a.

Blueprint for worldwide operation of owned plants

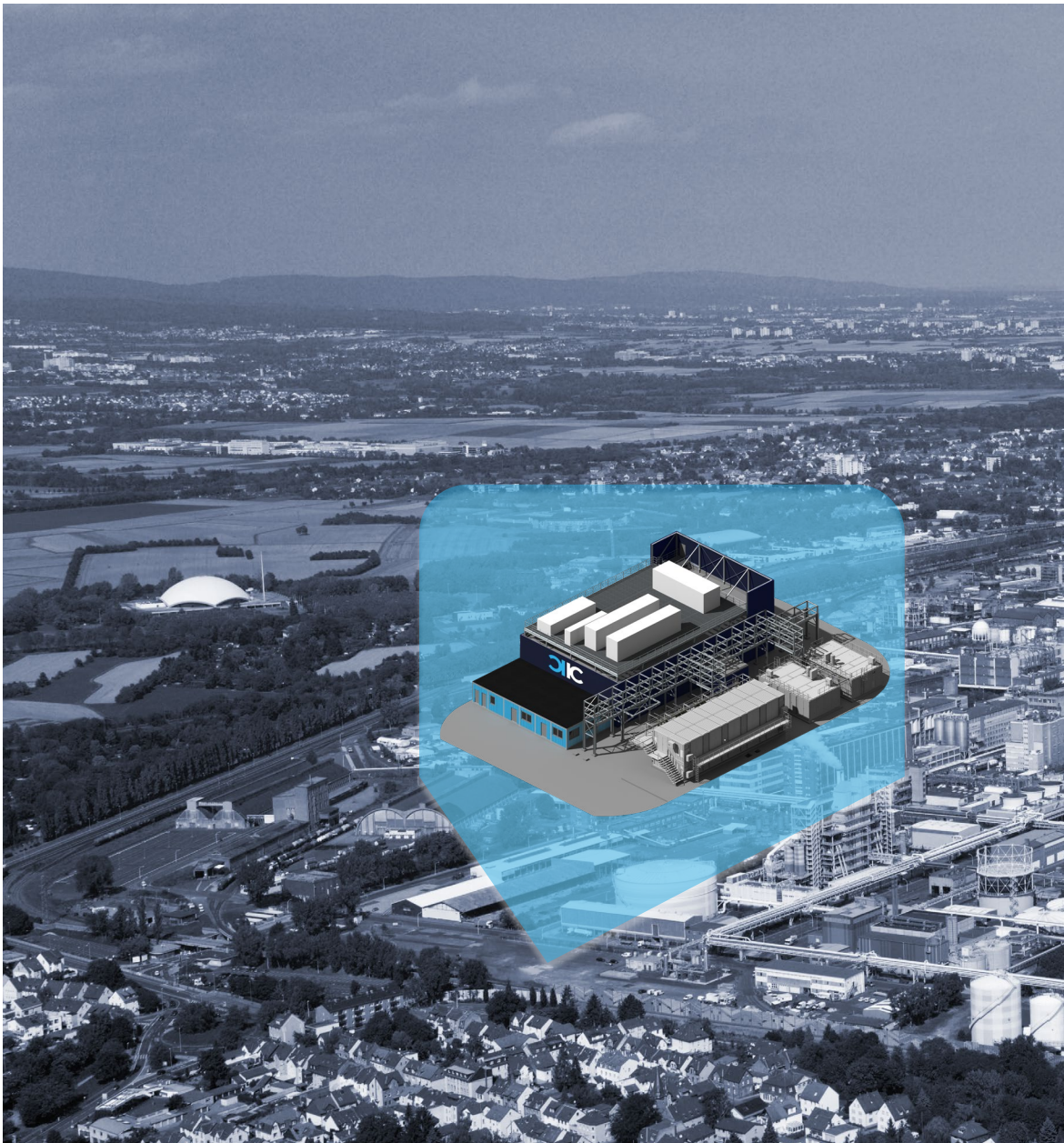
**STATUS:**

Start of production: 2024

**LOCATION:**

Frankfurt/Main, Germany

**PARTNERS:**



# PIONEER PLANT: FRANKFURT HÖCHST



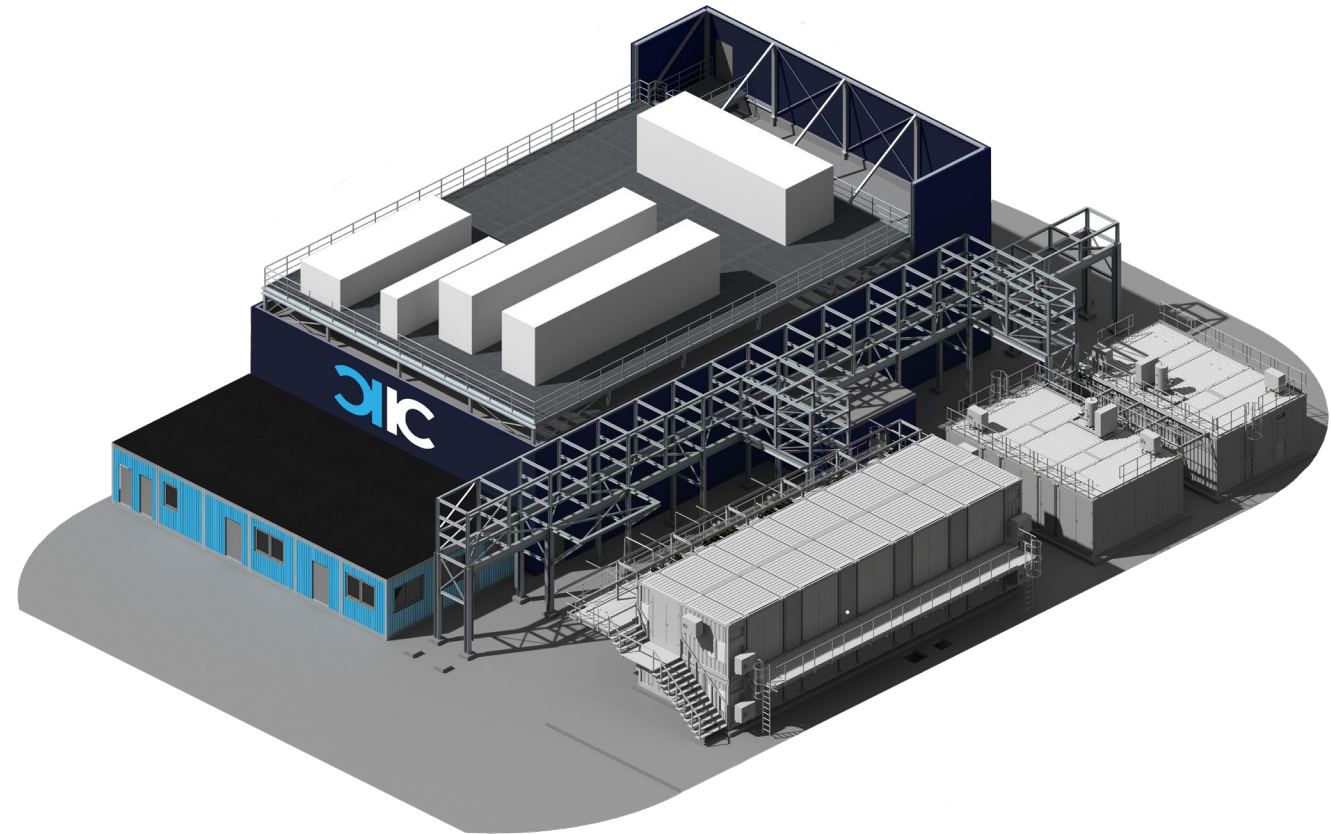
## Application after processing:

E-kerosene for aviation

E-Diesel for shipping

E-Diesel / e-Gasoline for road transport and mobility

Synthetic base material for the chemical industry



**INERATEC**

# FUELING THE FUTURE

Frankfurt Höchst, 19.04.2023

**Ab 2024**

jährlich bis zu

**2.500 t**

e-Fuels

## GROUNDBREAKING CEREMONY, 19.04.2023

from left to right:

Dr. Joachim Kreysing (CEO Infrasev Höchst GmbH), Tarek Al-Wazir, Hessian Minister of Economics, Energy, Transport and Regional,

Dr. Tim Böltken (CEO INERATEC GmbH), Caspar Schuchmann (CFO INERATEC GmbH)

# Proud to make a difference



**INNOVATIONSPREIS  
DER DEUTSCHEN  
GASWIRTSCHAFT  
2018**

**LOTHAR SPÄTH  
AWARD | 2018**  
Für herausragende Innovationen  
in Wissenschaft & Wirtschaft





GET TO KNOW US

# Get in touch

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now



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