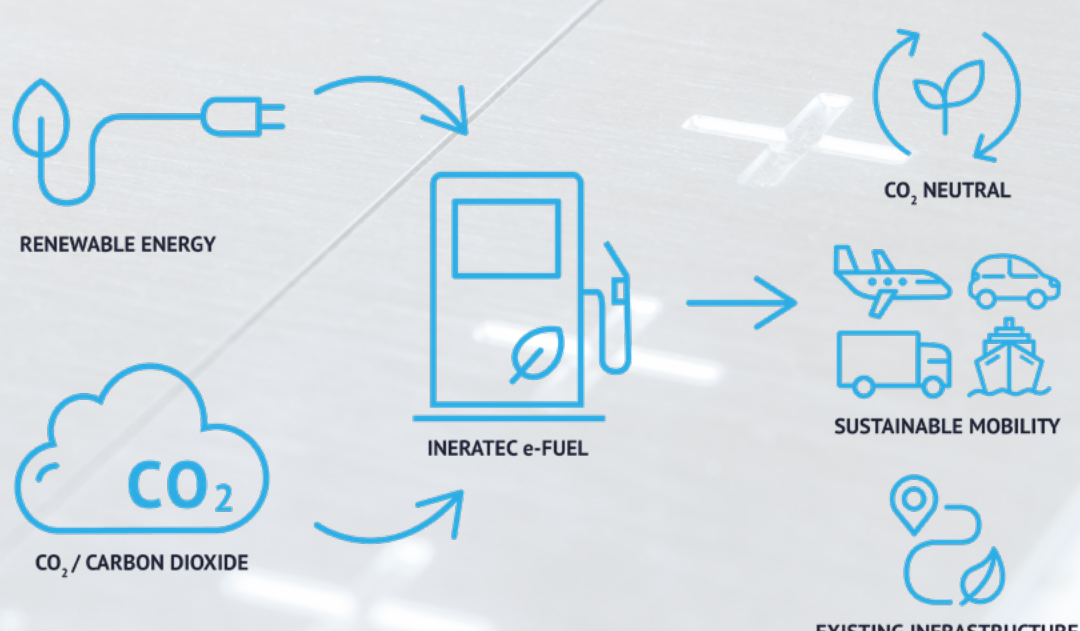


BECOME A PIONEER WITH INERATEC!

INERATEC e-FUELS FOR SUSTAINABLE MOBILITY.

Read more about INERATEC's processes and plants [here](#).



The first industrial **Power-to-Liquid** pioneer plant in the world, producing up to **3500 t/a** of INERATEC e-Fuels.

BECOME A PIONEER!

UP TO 4.6 MILLION LITERS OF INERATEC e-FUELS ARE PRODUCED FROM 10,000 T OF CO₂ ANNUALLY

IN 2022 THE POWER-TO-LIQUID PIONEER PLANT WILL BE THE LARGEST WORLDWIDE

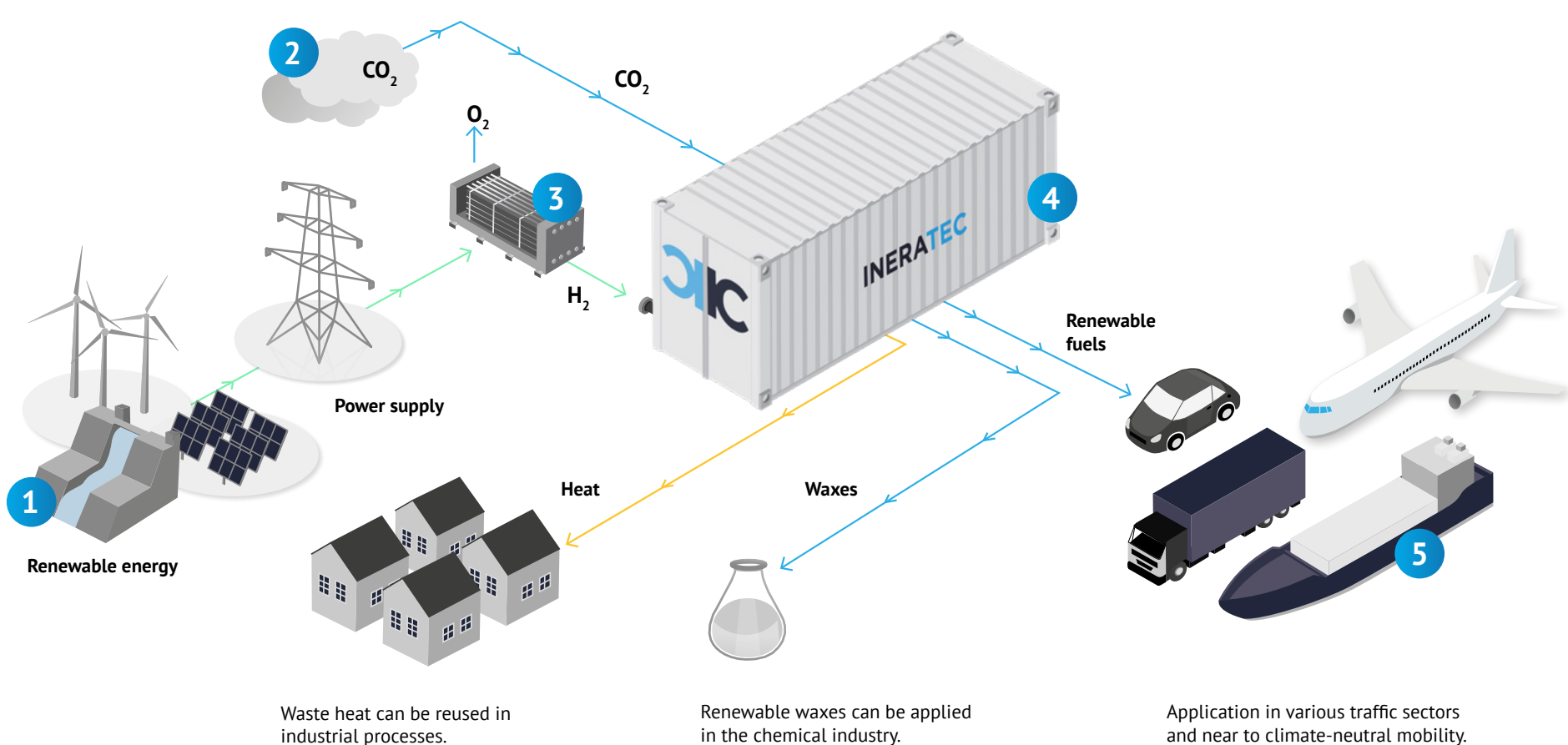
LOCATION

THE INERATEC PIONEER PLANT AT THE INDUSTRIEPARK HÖCHST SITE FRANKFURT (MAIN) WILL PRODUCE INERATEC e-FUELS AND e-CHEMICALS FROM BIOGENIC CO₂ AND GREEN HYDROGEN. IT WILL BE THE FIRST PLANT OF ITS KIND TO BE OPERATED COMMERCIALY: THE PRODUCTS WILL BE INDUSTRIALLY DISTRIBUTED AND MARKETED.

HOW DOES PtL WORK?

The illustration shows the Power-to-Liquid concept that will be used in the INERATEC plant in the Frankfurt-Höchst Industrial Park. Renewable grid electricity will be converted into hydrogen (H₂) via electrolysis. CO₂ from biogas is combined with H₂ to

produce INERATEC e-Fuels, namely diesel, gasoline, e-kerosene and waxes. With this pioneer plant INERATEC is taking an important and necessary step towards a more sustainable future. [Learn more about the Power-to-Liquid process.](#)



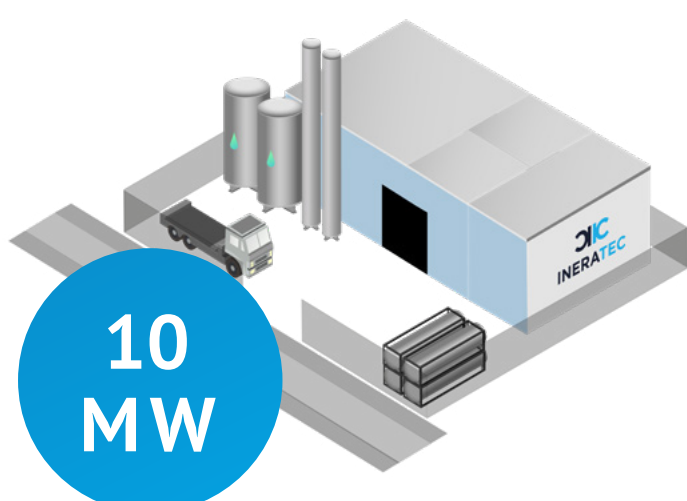
1 RENEWABLE ENERGY
Energy is obtained from renewable sources.

2 CARBON DIOXIDE
CO₂ is obtained from sustainable sources our the surrounding air.

3 ELECTROLYSIS
Hydrogen and oxygen are attained by the electrolysis of water, the latter is emitted into the surrounding atmosphere.

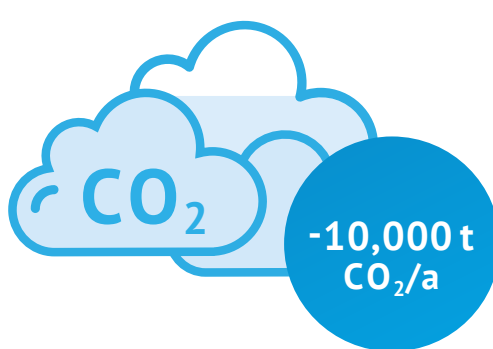
4 SYNTHESIS
In a chemical two-step process hydrocarbon chains are produced from CO₂ and hydrogen.

5 PRODUCTS
The final products are compatible with existing infrastructure, engine technology as and can replace fossile fuels.



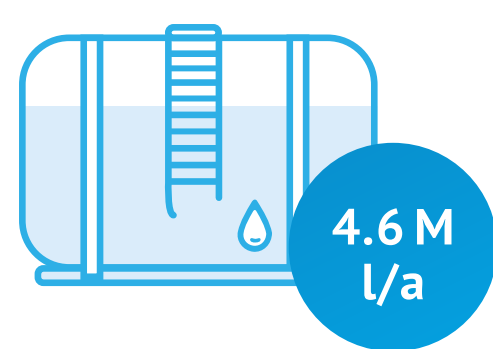
10 MW

THE INSTALLATION OF THE POWER-TO-LIQUID PIONEER PLANT WILL COMPRISE THE CAPACITY OF 10MW ELECTRICITY INPUT.



-10,000 t CO₂/a

THE INDUSTRIAL POWER-TO-LIQUID PIONEER PLANT WILL RECYCLE 10,000 TONS OF CO₂ PER YEAR!



4.6 M l/a

THE PIONEER PLANT WILL PRODUCE 4.6 MILLION LITERS OF INERATEC e-FUEL PER YEAR FROM GREEN HYDROGEN AND CO₂.