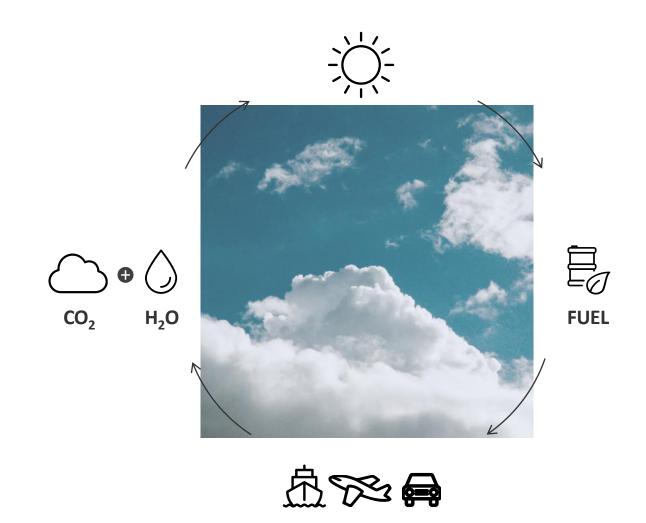


SUNLIGHT INTO

TURNING





#### **Synhelion**

TURNING SUNLIGHT INTO FUEL.

Concentrated solar system delivers high-temperature process heat.





# Synhelion technology

TURNING SUNLIGHT

Synhelion uses solar heat to convert  $CO_2$  and  $H_2O$  into synthetic fuels – socalled solar fuels.





## A record-breaking path to market









World's first solar jet fuel from H<sub>2</sub>O and CO<sub>2</sub> in the lab

World's first carbon-neutral fuels from air and sunlight

Medium-scale demonstration under real field conditions

Full-scale demonstration of key components





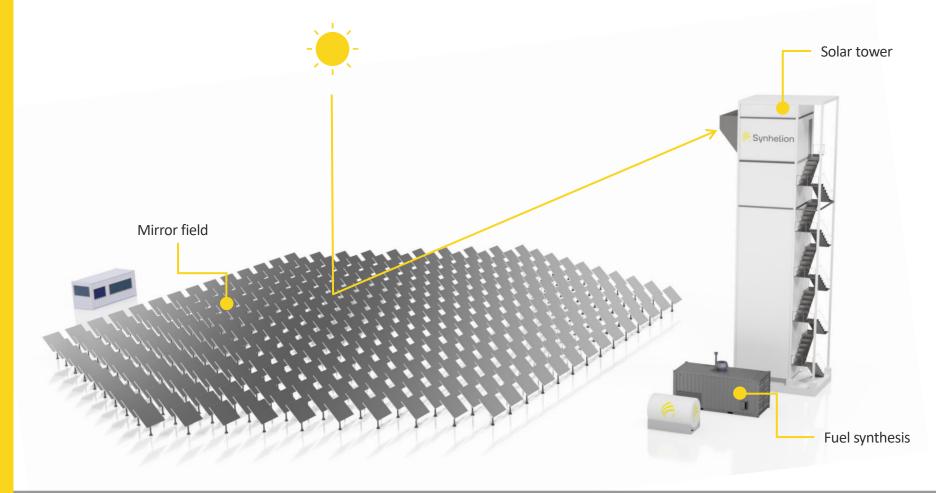




### 2022/23: Industrial plant Jülich

TURNING SUNLIGHT INTO FUEL.





#### **Main specifications**



1'800 m<sup>2</sup> mirror area



1 MW solar input power



10'000 l/y fuel demo batches



Status: fully financed



Construction / commissioning: 2022 / 2023



Customer: Lufthansa Group / Airport

Zürich

#### Supported by:



on the basis of a decision by the German Bundestag



#### Synhelion roadmap

= 50% of Switzerland's jet fuel consumption

= 50% of European jet fuel consumption

2021-2023 2023-2025 2025-2030 2040

