



# SUNtoLIQUID II

FUELS FROM CONCENTRATED SUNLIGHT

## SUNlight-to-LIQUID

Efficient solar thermochemical synthesis of liquid hydrocarbon fuels using tailored porous-structured materials and heat recuperation

### The SUN-to-LIQUID II project envisages to:



#### Develop

a robust and sustainable conversion pathway to produce high-quality renewable liquid fuel from the untapped inexhaustible potential of solar energy.



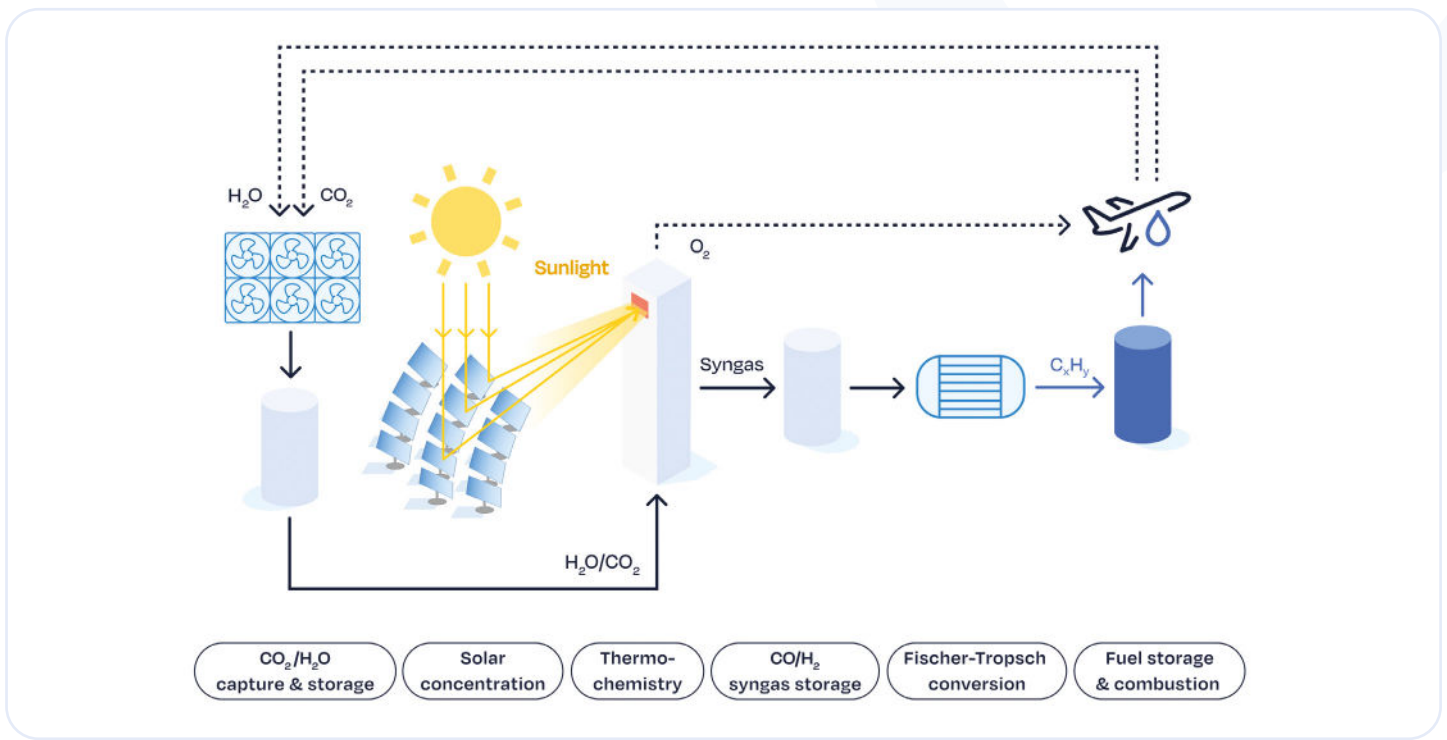
#### Demonstrate

a record-high efficiency in the production of solar hydrocarbon fuel from water and CO<sub>2</sub> via solar thermochemical conversion, maturing the novel structured redox materials and heat recovery up to validation in relevant environment.



#### Provide evidence

for cost-effective >80% greenhouse gas emission reduction especially for aviation, with technical scalability to production potentials beyond projected future demand.



<b>Project acronym &amp; title</b> <b>SUN-to-LIQUID II</b> SUNlight-to-LIQUID - Efficient solar thermochemical synthesis of liquid hydrocarbon fuels using tailored porous-structured materials and heat recuperation		<b>Starting date</b> <b>01/11/2023</b>	<b>6 partners</b>	
		<b>Duration</b> <b>48 months</b>	<b>5 European countries</b>	<b>Project Coordination</b> Dr Andreas SIZMANN <a href="mailto:contact@sun-to-liquid-2.eu">contact@sun-to-liquid-2.eu</a>
<b>Total budget</b> <b>5.7 M€</b>	<b>EU grant</b> <b>4.88 M€</b>	<b>Grant from SERI Swiss State Secretariat for Education, Research and Innovation</b> <b>0.84 M€</b>	<b>Funding Scheme</b> <b>Research and Innovation (RIA)</b>	<b>GA Number</b> <b>101122206</b>

### Consortium



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