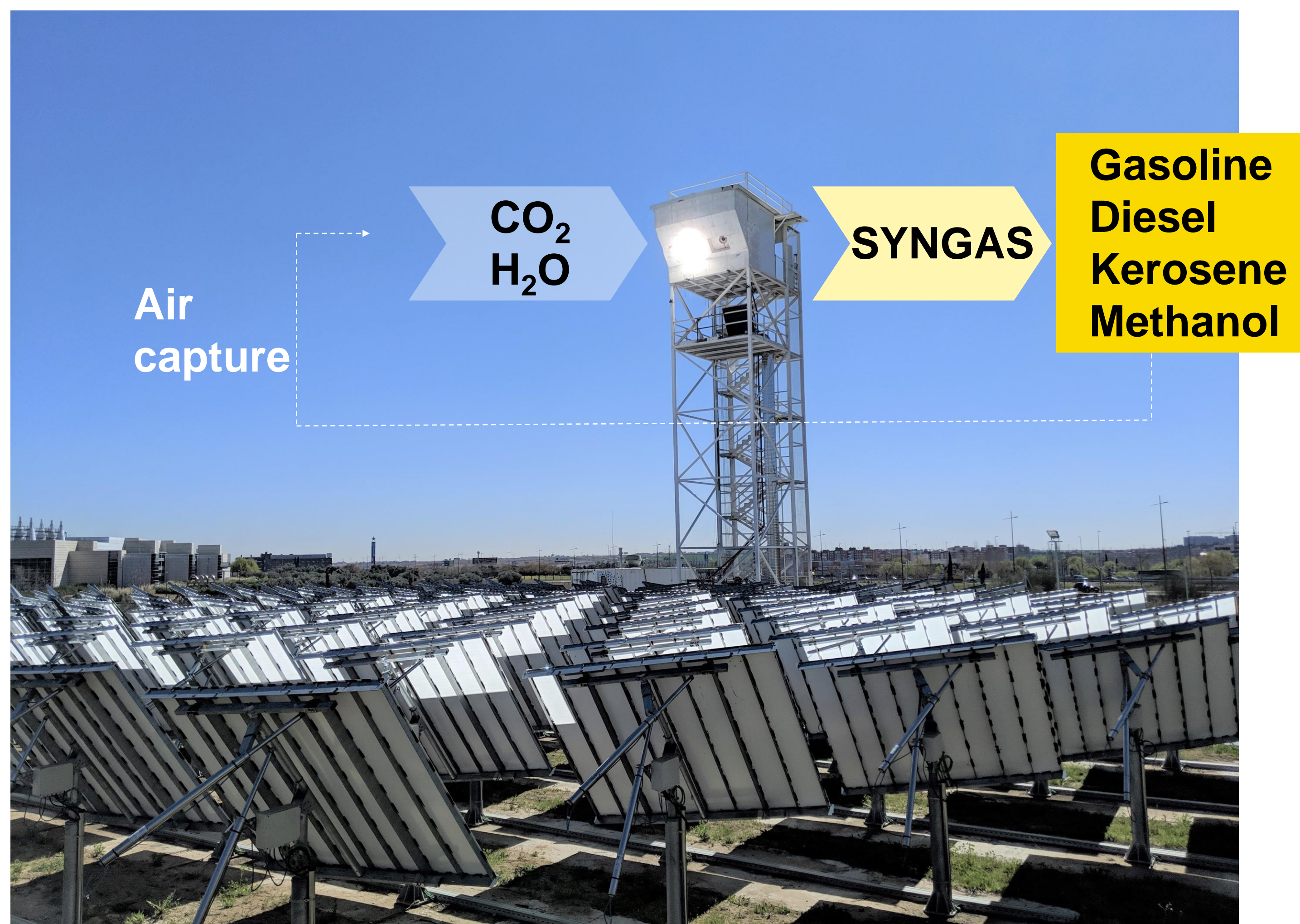
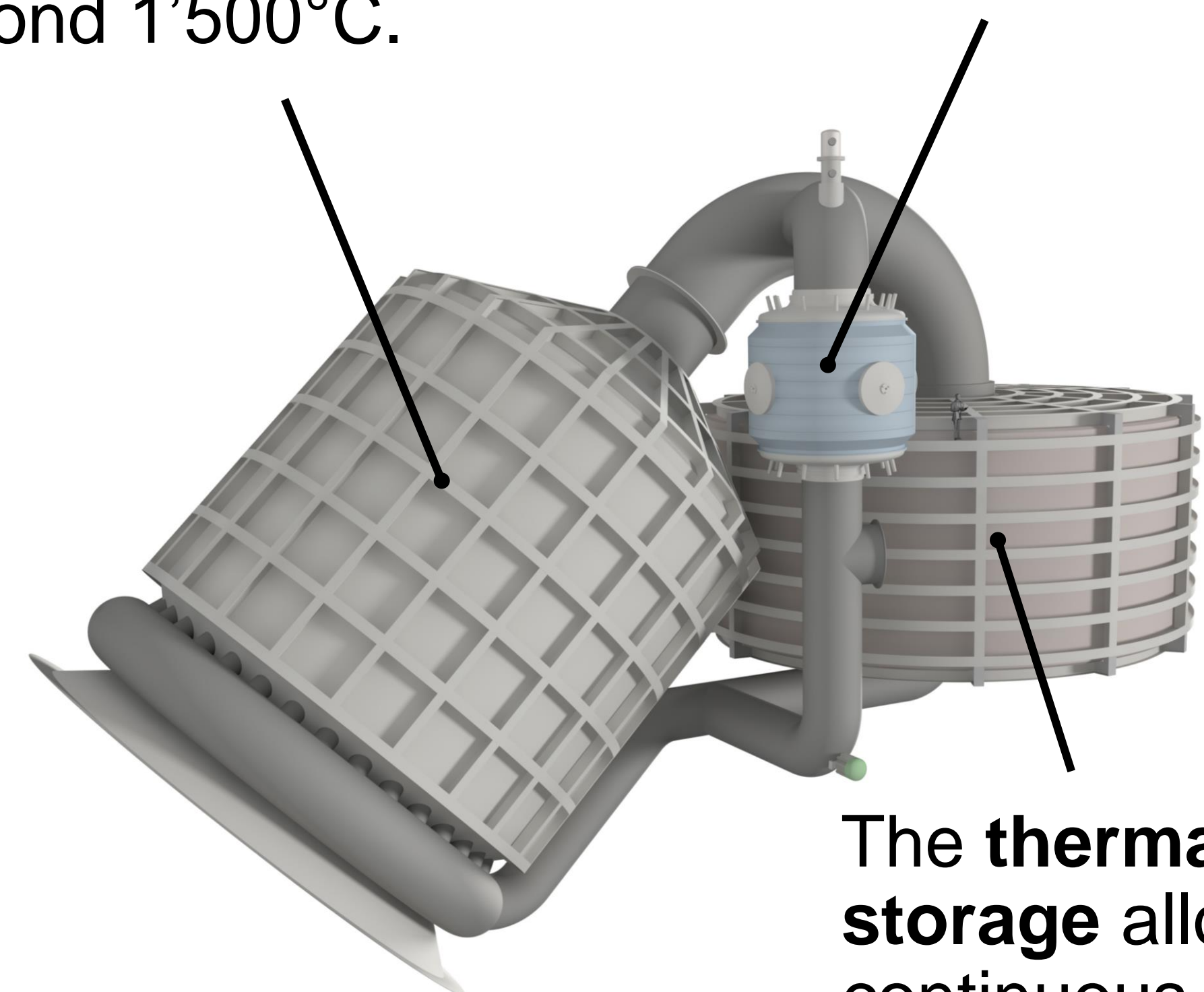


# SOLAR FUELS FROM AIR AND SUNLIGHT



The absorbing gas **receiver** efficiently delivers high-temperature process heat beyond 1'500°C.

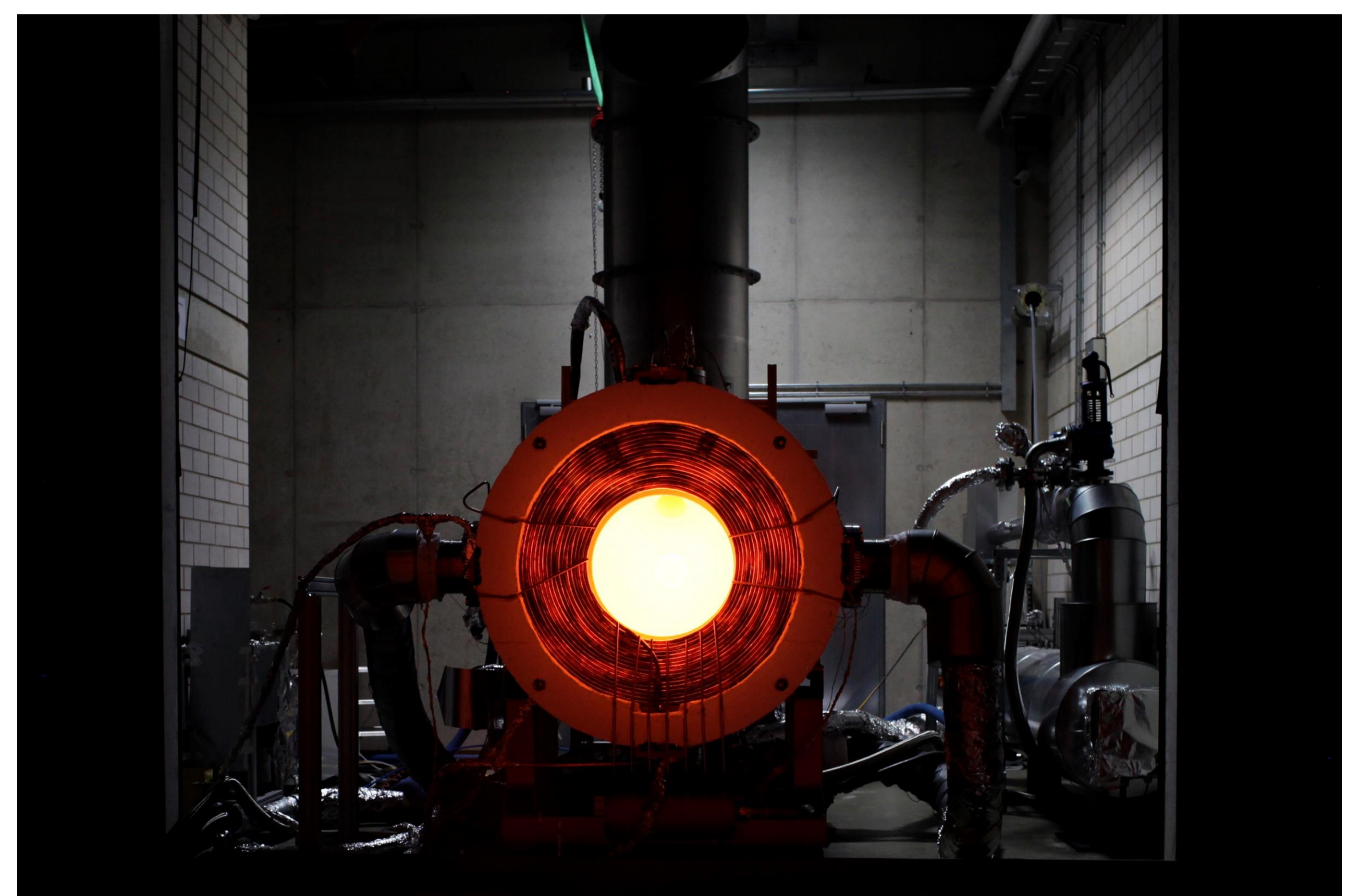
The **thermochemical reactor** enables endothermic reactions for syngas production.



The solutions of Synhelion combine state-of-the-art solar tower systems with proprietary high-temperature thermochemical processes to produce solar fuels.

## FROM THEORY TO FUEL PRODUCTION

- 2014: world's first solar kerosene from H<sub>2</sub>O and CO<sub>2</sub> in the lab
- 2017: world record in solar CO<sub>2</sub>-splitting efficiency
- 2019: world's first carbon-neutral fuels from air and sunlight under real field conditions
- 2020: successful testing of 250 kW solar receiver; 1'550°C reached



 **Synhelion**  
solar fuels

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