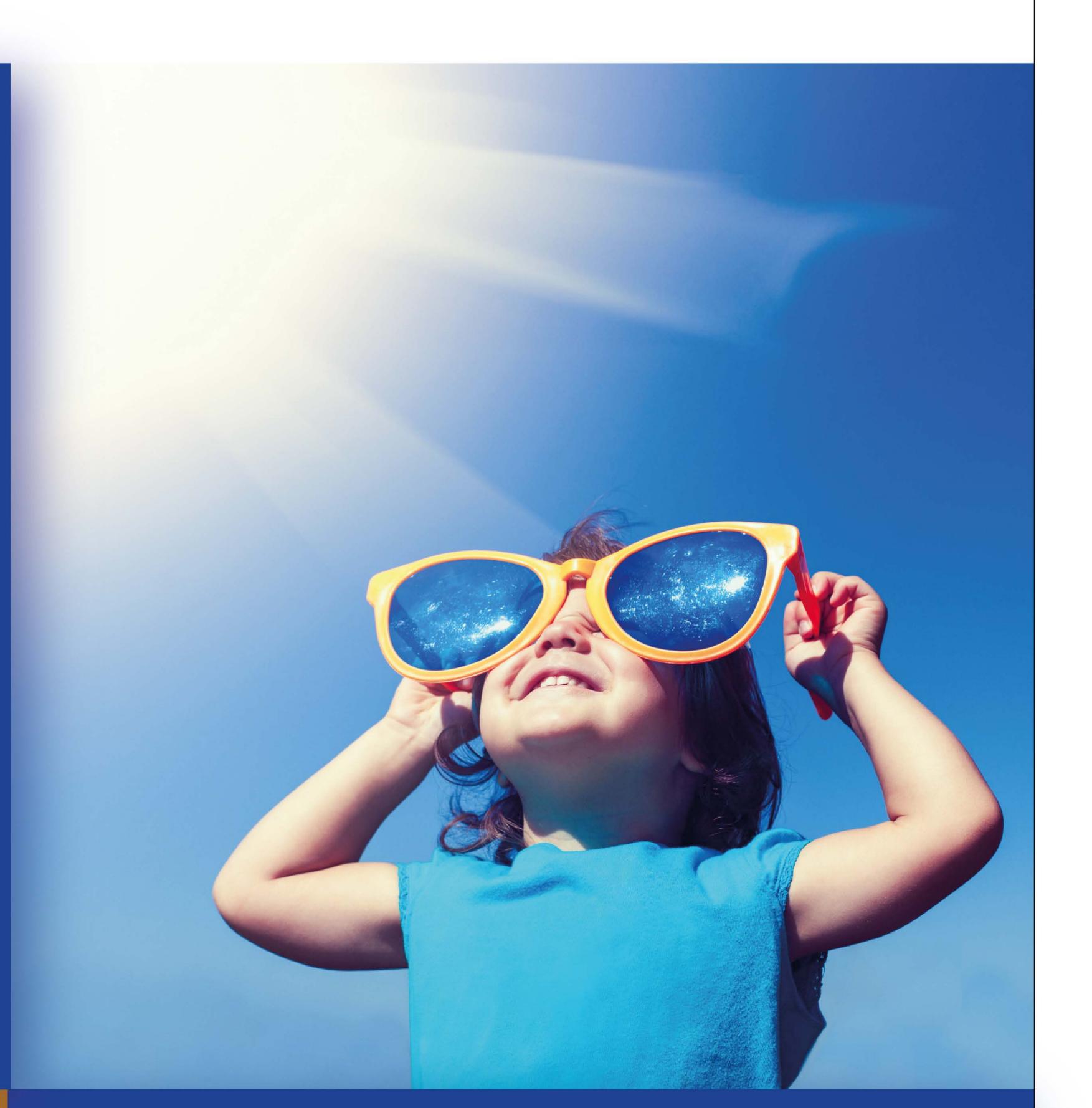


DECARBONIZING
THE FUTURE OF THE
HEAVY INDUSTRY



Solar-driven artificial photosynthesis, utilizing local resources to produce green energy (hydrogen & methanol) from wastewater and CO₂ to make chemical industry more auto-sufficient.

OBJETIVES

Maximize Renewable Energy:

Integrate solar energy as the primary source for converting wastewater and CO₂ into green fuels.

Innovate Production Methods:

Develop novel photoelectrochemical processes for efficient liquid and gas energy carriers.

Produce Sustainable Fuels:

Generate green hydrogen and bio-methanol to meet energy demands in the chemical sector.

Pilot Testing for Scale-Up:

Implement a pilot to test and scale technologies for industrial applications.

PARTNERS































Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.