

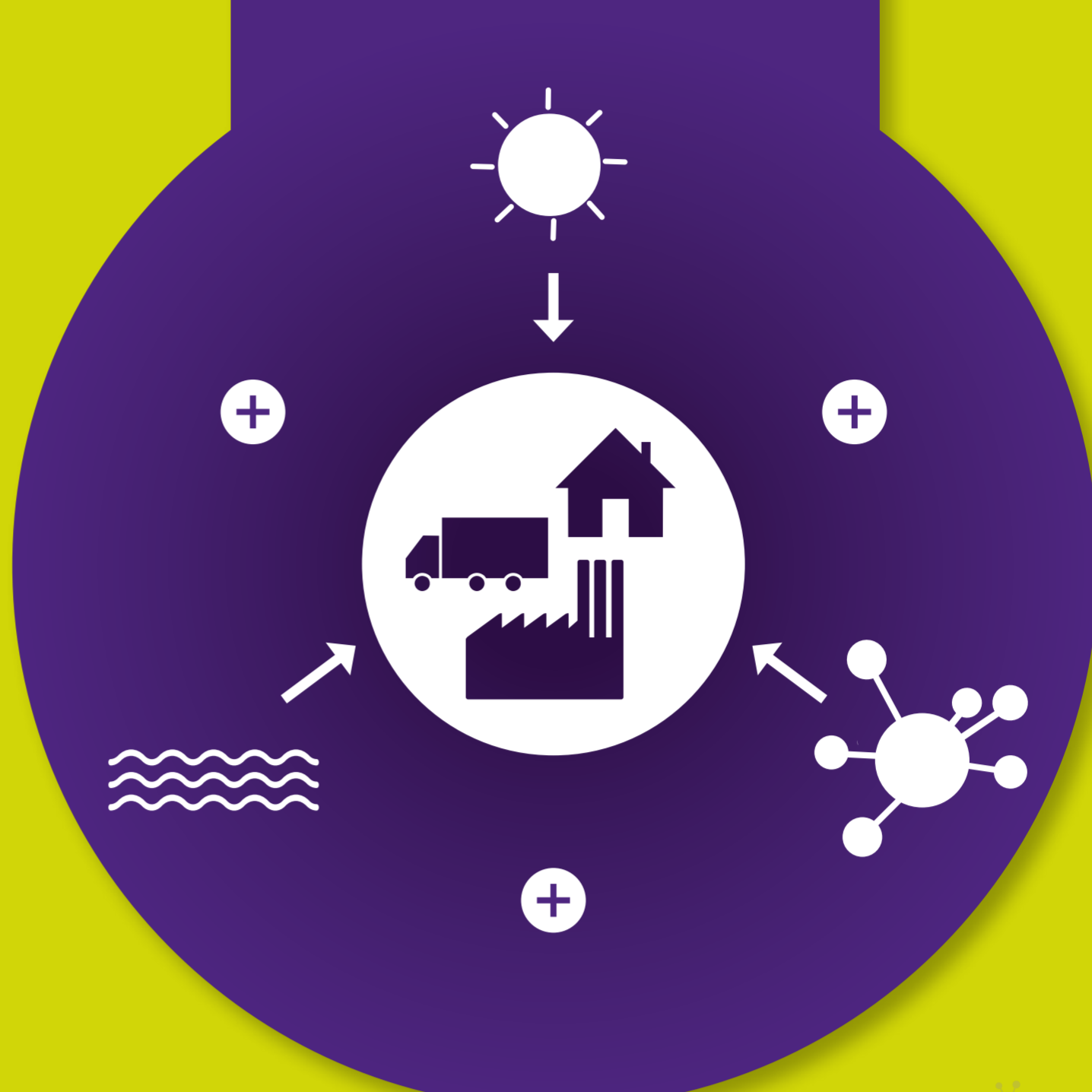
## ARTIFICIAL PHOTOSYNTHESIS: FUEL FROM THE SUN

EIC HORIZON  
**prize**

SOLVE THE CHALLENGE

**€5 million**

### CHALLENGE



The EU will award **€5 MILLION TO THE BEST TECHNOLOGY THAT PRODUCES SUSTAINABLE FUEL** by combining sunlight, water and carbon via **ARTIFICIAL PHOTOSYNTHESIS**.

The solution must be a **FULLY FUNCTIONAL** prototype.

### WHY?

Artificial photosynthesis is a **PROMISING BREAKTHROUGH TECHNOLOGY** for producing **SUSTAINABLE ALTERNATIVES TO FOSSIL FUELS**.

### THE CHALLENGE WILL:

1

**ACCELERATE** the development of new solar energy conversion systems to produce renewable fuels for industry, housing and transport



2

**FOSTER COLLABORATION** among potential applicants, such as companies, students, researchers and engineers, in Europe and around the world



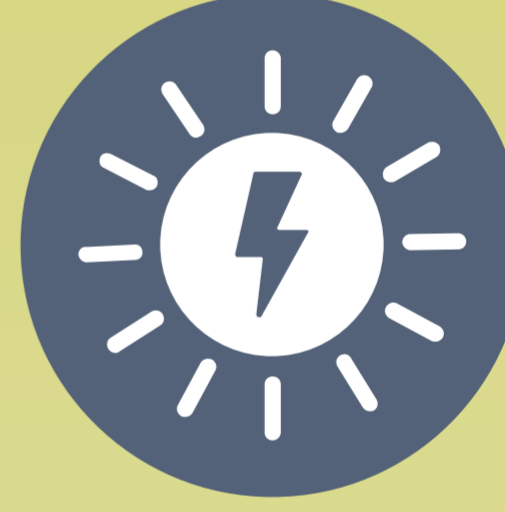
3

**RAISE PUBLIC AWARENESS** of this new technology



4

**SUPPORT** the Mission Innovation challenge 'Converting sunlight into storable solar fuels'



The EU encourages finding new ways of using solar energy and thus contributes to the **FIGHT AGAINST CLIMATE CHANGE**.

### MAIN REQUIREMENTS

**performance:** system integration from light capture to fuel production – the fuel must be capable of powering a small engine



**scalability:** commercial potential of the device



**sustainability:** environmental performance/resource consumption



### DEADLINE

**5 May 2021**

### WHO CAN PARTICIPATE?



The contest is open to individuals, groups, organisations and companies in Europe and internationally.

More information on the Prize:

#eicHorizonPrize

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