

# What makes +C2FUe-LS unique?

Cold plasma-assisted  
CO<sub>2</sub> hydrogenation

Hybrid bio-, chemo-  
and nanocatalysis

Advanced MOF-based  
structured catalyst systems

Selective alcohol  
production without  
additional purification steps

Highly energy-efficient  
processes

 **€4M**

EU funding

 **7 PARTNERS**

across Spain, France,  
Belgium & Germany

**The consortium combines  
world-leading expertise in:**

- Cold plasma catalysis
- Reactor engineering
- Sustainability and techno-economic assessment
- Advanced nanomaterials

## Coordinator

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 +C2FUe-LS

 [www.c2fuels.eu](http://www.c2fuels.eu)

## Communication & Dissemination

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 **MATERIALS2Z**  
MAKING CHEMISTRY RELEVANT FOR MATERIALS, MANUFACTURING & INNOVATION

 **LMU**  
LUDWIG-MAXIMILIANS-  
UNIVERSITÄT  
MÜNCHEN

 **ALIÉNOR**  
Tailor-made solutions

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Laboratoire Lorrain de  
Chimie Moléculaire



# +C2FUe-LS

Plasma-assisted CO<sub>2</sub> conversion to fuels

## Recycling carbon

## Powering transport

## Advancing climate-neutral industry

A Horizon Europe Project (2025–2029)



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# PLASMA-ASSISTED CO<sub>2</sub> CONVERSION

