



**Solutions for the production of e-fuels,
e-methanol and e-methane,
allowing CO₂ reuse and valorization**

KHIMOD

ALCEN

KHIMOD is a French climate-tech company, which develops and sells solutions to produce synthetic molecules namely e-methane (eNG, SNG), e-methanol and e-fuels (SAFs), all the while reusing and valorizing CO₂, combined with decarbonized hydrogen. KHIMOD is also active on the flow chemistry market.

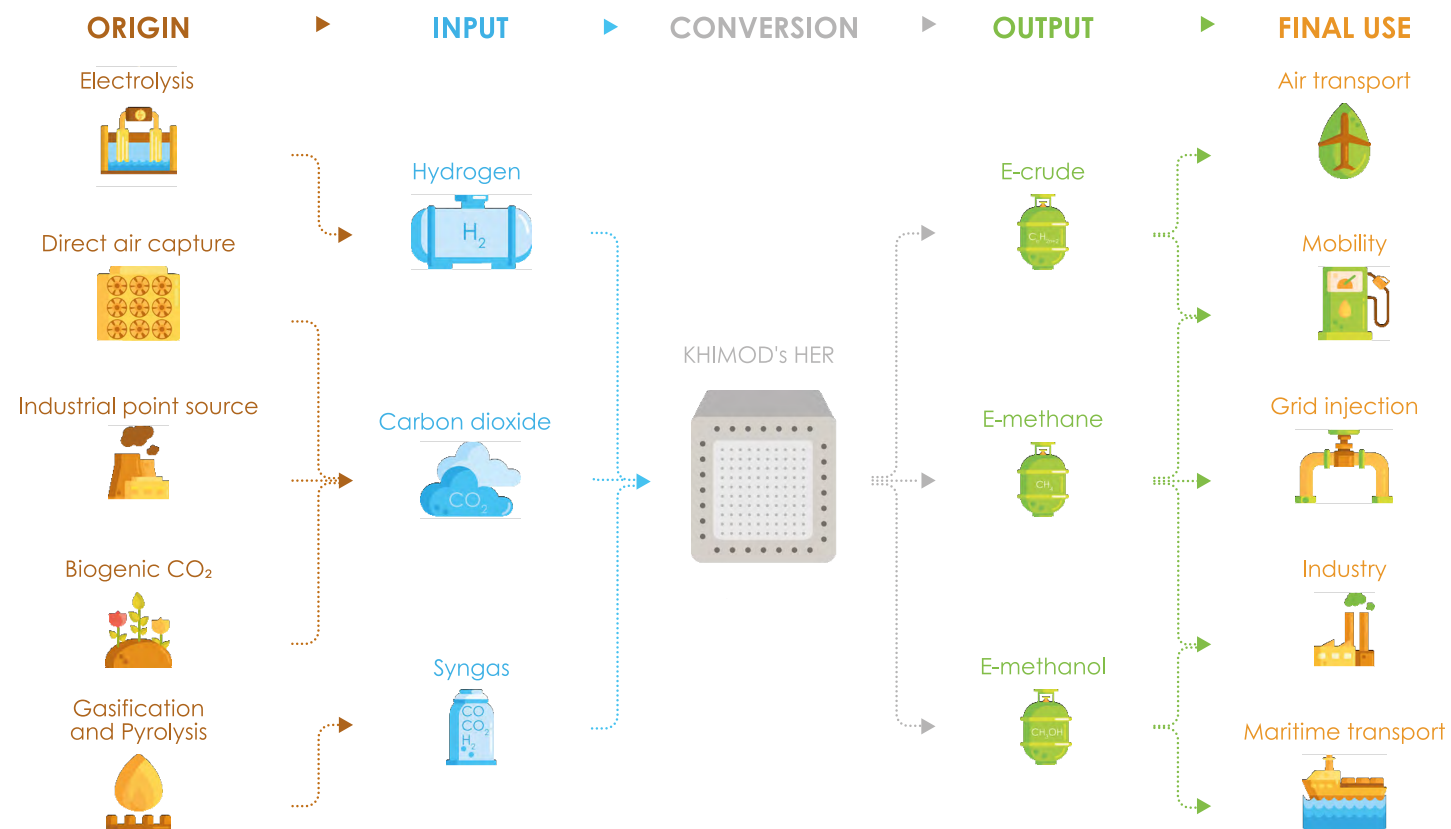
KHIMOD's solutions are based on innovative heat exchanger-reactors (HERs), manufactured by diffusion bonding, giving outstanding performances at extreme temperature or pressure.

KHIMOD actively contributes to decarbonization and operates on a number of markets on a global scale such as air and maritime transport, waste valorization, chemistry and hard-to-abate industries.

KHIMOD is involved in several groundbreaking collaborative projects in power-to-gas (Jupiter 1000, Methycentre) and SAFs production (Avebio).



TECHNOLOGY



TRACK RECORD

STORE & GO

📅 2018 TO 2020 | 📍 ITALY

Use case: Power to X, e-methane

Capacity: Demonstration pilot

HEAT TO FUEL

📅 2020 TO 2022 | 📍 AUSTRIA

Use case: Biomass/organic waste to biofuel

Capacity: Demonstration pilot

NYX

📅 FROM 2022 | 📍 FRANCE & USA

Use case: Production of ultra pure e-methane

Capacity: Commercial unit

JUPITER 1000

📅 2022 TO 2024 | 📍 FRANCE

Project with GRTgaz, CMA CGM and CNR

Use case: Power to X, e-methane

Capacity: Industrial pilot

METHANOL CONFIDENTIAL

📅 FROM 2022 | 📍 FRANCE

Use case: Production of e-methanol

Capacity: Industrial pilot

MÉTHYCENTRE

📅 FROM 2024 | 📍 FRANCE

Project with Storengy

Use case: Waste to X, e-methane

Capacity: Industrial pilot

AVEBIO

📅 FROM 2023 | 📍 FRANCE

Project with Elyse Energy

Use case: SAFs

Capacity: Industrial pilot

METHANE CONFIDENTIAL

📅 FROM 2024 | 📍 ITALY

Use case: Waste to X, e-methane

Capacity: Commercial unit

AUTONOMOUS AND MODULAR SYSTEMS



KHIMOD's methanation unit on Jupiter 1000



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www.khimod.com

25 boulevard Romain Rolland
75014 Paris • France
contact@khimod.com