

From Collaboration to Implementation: Advancing CO₂ Capture in DRIVE

Welcome to the DRIVE project!

The DRIVE project continues to move forward towards the deployment of innovative CO₂ capture solutions, with a focus on both technical progress and stakeholder engagement. During this period, key activities included the organisation of a targeted workshop and the 4th Consortium Meeting, providing valuable opportunities to exchange insights, align on next steps, and further strengthen collaboration among partners. As the project advances towards pilot implementation, these interactions play a crucial role in ensuring that DRIVE technologies respond to real-world challenges and opportunities.

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DRIVE Workshop: Focused Discussion on CO₂ Capture Technologies

The DRIVE workshop brought together a targeted group of stakeholders and experts to discuss the challenges and opportunities of deep CO₂ removal technologies.

The session enabled a focused and interactive exchange, covering:

- the technical readiness of CO₂ capture solutions,
- their applicability across industrial sectors,
- and key factors influencing deployment, such as costs, infrastructure, and regulatory conditions.

Particular attention was given to the role of CO₂ capture in emerging applications, including waste-to-energy systems, as well as the importance of market and policy support.

The workshop provided valuable qualitative insights, helping the project better understand real-world expectations and refine its approach toward future implementation and stakeholder engagement.



4th Consortium Meeting

The DRIVE partners came together for the 4th Consortium Meeting, providing an important opportunity to review progress and coordinate the next phase of the project. Discussions focused on the integration and testing of key technologies, including CODEC and ZEUS, as well as ongoing work on modelling, techno-economic assessment (TEA), and life cycle analysis (LCA).

The meeting also supported alignment on upcoming activities, including pilot preparation and future dissemination actions, reinforcing the consortium's shared commitment to delivering effective and scalable CO₂ capture solutions.



OUR PARTNERS



ZEUS transported to TNO

Employees from TNO and Hovyu are working in the labs at TNO Rijswijk in the Netherlands on the CODEC as well as the ZEUS setup.

TNO's CODEC has been upgraded and the first performance tests with the setup are now being done to optimize the KPI's. Hovyu's ZEUS setup is also ready to be tested and optimized. The setup had been transported to TNO and employees from Hovyu are starting to optimize this setup as well at TNO.

Below you see the teams of TNO and Hovyu unloading the ZEUS at TNO in Rijswijk.



In the next months, both setups will be integrated and tested with the TNO Miniplant to perform integrated testing at TRL5. Ultimately, one of the setups will be tested at the cement site of CEMEX in Czech Republic. In the coming newsletters we will keep you updated on the progress



Co-funded by
the European Union

This research was funded by CETPartnership, the Clean Energy Transition Partnership under the 2022 CETPartnership joint call for research proposals, co-funded by the European Commission (GAN^o 101069750) and with the funding organizations detailed on <https://cetpartnership.eu/fundingagencies> and call modules.



DRIVE

