

DEEP REMOVAL OF CO₂ & INNOVATIVE ELECTRIFICATION CONCEPTS

Welcome to the DRIVE project!

DRIVE envisions a future where industries achieve carbon neutrality or negativity, paving the way for a sustainable environment by 2050 through innovative technological solutions and comprehensive guidance on CO₂ reduction.

Check out the latest news of the DRIVE project in this issue!

FOLLOW US
ON SOCIAL MEDIA



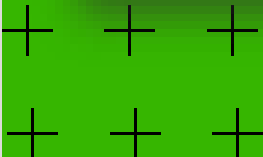
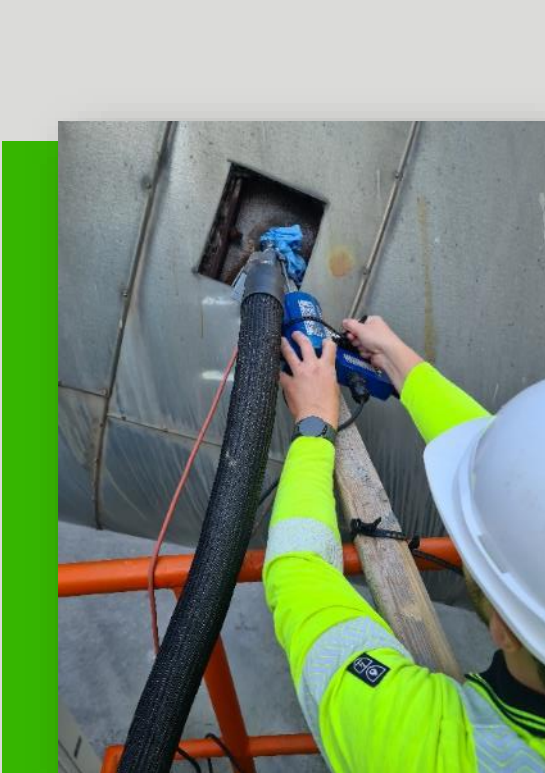


LATEST PROGRESS

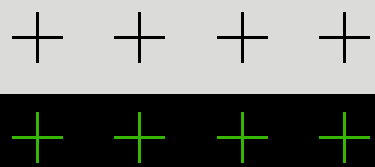


We are happy to share that the first preparations for the demonstration of an electrified CO₂ capture pilot has been successfully conducted! A special shoutout to our wonderful host, Petr Gajdošík, and the dedicated team at CEMEX! Their warm hospitality and support made our work not only possible but also enjoyable.

During the period of 24-26 September 2024, the TNO team performed flue gas measurements at the CEMEX Prachovice plant in the Czech Republic. The results have provided us with invaluable insights that are crucial for de-risking the application of electrified CO₂ capture. While the composition of the CEMEX flue gas is known, there was a knowledge gap when it came to the presence of small-scale particles in the gas. Through this campaign, we gained crucial knowledge about these minor flue gas impurities. This allows us to limit electrochemical cell malfunctions and enhance their longevity. This is a significant milestone in our journey towards enhancing safety and efficiency in our technologies.



We are excited about the progress we've made and are eager to utilize this information in our laboratory experiments. At this moment, we are using the information to optimize the configuration and settings for the electrified CO₂ capture technologies, which will eventually be implemented at CEMEX. Stay tuned for more updates as we continue to make strides in our collaborative efforts!



OUR PARTNERS



← ACTIVITIES

2nd TPM

On October 15th and 16th, the DRIVE project partners met in **Niederaußem**, Germany, for our second transnational project meeting, hosted by **RWE**. The team shared project updates, discussed next steps in CO₂ reduction research, and enjoyed an inspiring tour of RWE's facilities. For more details, check out our latest blog post: [Read more here](#)



Participation at GHGT-17 conference

The DRIVE project is happy to announce that our partners presented results from the first two testing campaigns on Deep Removal at the 17th International Conference on Greenhouse Gas Control Technologies (GHGT-17) in Calgary, Canada, from October 20th to 24th, 2024.

[Read more...](#)



Subscribe to our Newsletter

You may subscribe [here](#) to receive DRIVE quarterly project's newsletter



Co-funded by
the European Union

This research was funded by C&E Partnership, the Clean Energy Transition Partnership under the 2022 C&E Partnership joint call for research proposals, co-funded by the European Commission (GAN^o101069750) and with the funding organizations detailed on <https://cetpartnership.eu/fundingagencies> and call modules .



DRIVE

