



## ConsenCUS: Carbon capture, usage and storage

Dear ConsenCUS-community,

We are pleased to share with you a couple of updates from the ConsenCUS-project. A lot of work has been done behind the scenes, where the technical committee is working on research, design and engineering of the capture and conversion unit.

The conversion unit is almost ready to be placed at an industrial partner for a first series of tests in preparation for the start of the ConsenCUS production cycle at the end of 2023. Results from lab research on both capture and conversion are being finalized in the form of final designs and the start of ordering equipment begins. Given the rising prices and lead-times of technical equipment this will be a challenging, yet interesting, part of the process.

The project reached its first 18-month stage-gate, meaning that we are ready to draft the first progress report for our funding agency. To conclude, there is a lot going on in ConsenCUS and what we have been able to share so far is just a tip of the iceberg. The project team is proud to share its progress and is looking forward to 2023 in which the first testing period in Denmark will start.

On behalf of the ConsenCUS team  
Dirk Koppert, Project Manager



### GHG-T Conference 2022

At the 16th Greenhouse Gas Control Technologies Conference, held in Lyon mid-October, ConsenCUS was invited to give a presentation of the projects' vision, status and challenges. Presented by the coordinator of our Technical Committee, DTU's (Danish Technology University) Uffe Bihlet, the audience received information about the ConsenCUS technology for electrochemical capture and conversion of carbon emitted by hard-to-abate industrial production sites. The proceedings of this two-yearly conference will be published here ([Home - GHGT](#)).

[Read more](#)



### Community Event Greece

On 19 October the first Greek based ConsenCUS community event took place in the chamber of commerce in Poligiros, Halkidiki. The event was co-organised by the Robert Gordon university and Grecian Magnesite. The purpose of the event was to inform the local community on the ConsenCUS project by:

1. Introducing the Carbon Capture and Utilization (CCUS) technologies,
2. Position Grecian Magnesite's role in the project as the local industrial partner
3. Present the role of CCUS in decarbonizing the mining industry
4. Discuss the social dimensions of CCUS and present RGU's research with the different communities.

[Read more](#)

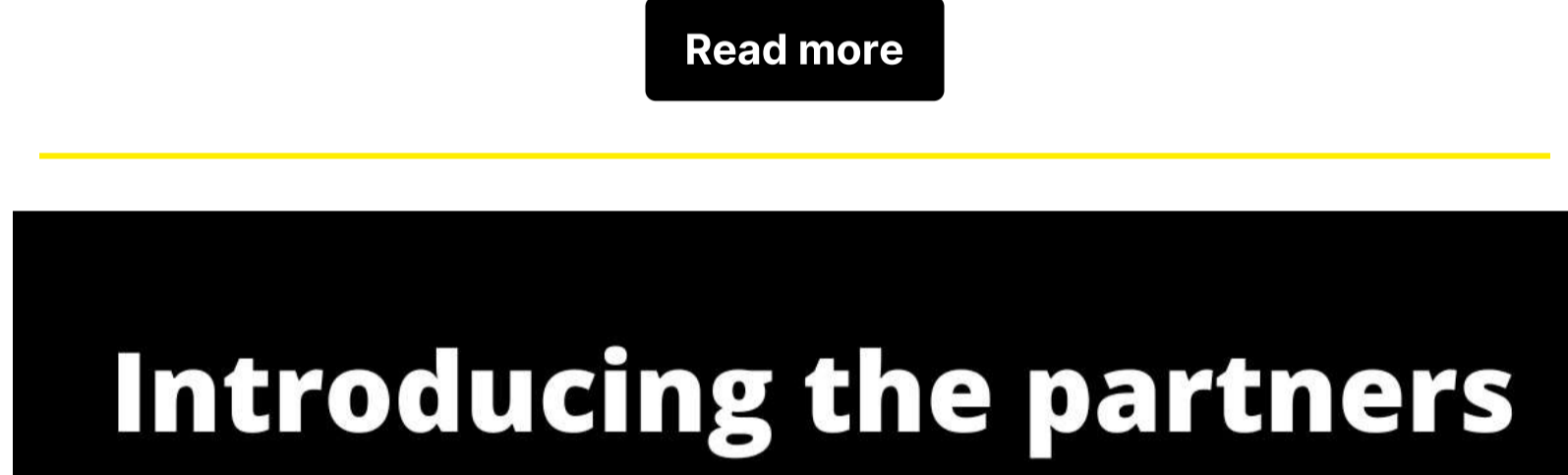


In this short video, Sara Vallejo Castano, our workpackage leader from Wetsus (the European Centre of Excellence for Sustainable Water Technology) shares with us her work to capture carbon dioxide to facilitate a transition to a carbon neutral future.



In this technology we use an alkaline absorber to capture carbon dioxide from flu gas.

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In each newsletter, we will introduce a partner who is associated with this research project. This newsletter we introduce Energy Policy Group (EPG) and Grecian Magnesite.

### Energy Policy Group (EPG)



The Energy Policy Group (EPG) is a Bucharest-based non-profit, independent think-tank specializing in energy and climate policy, market analytics and energy strategy, founded in 2014. EPG's regional focus is Eastern Europe and the Black Sea Basin, but its analyses are informed by wider trends and processes at global and EU levels.

Through publications and stakeholder engagement, EPG endeavours both to study and disseminate knowledge about policies and processes in the energy and climate domains, and to provide well-documented input to stakeholders and decision makers.

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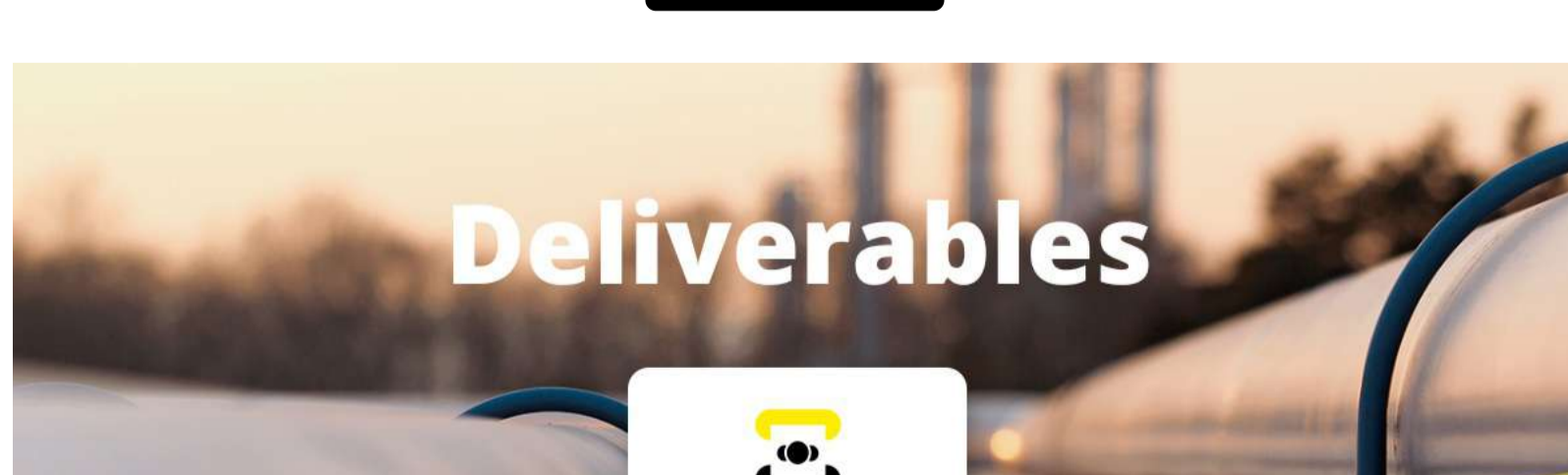
### Grecian Magnesite



The Portolos family got into the exciting business of mining in 1914. True to the family legacy and ever eager to excel, the company prioritized R&D and managed to develop products for practically all magnesite applications known to date. As the magnesite specialists they proudly are, they offer a wide range of application-specific grades of Caustic Calcined Magnesia, Deadburned (Sintered) Magnesia, Magnesium Carbonate (Raw Magnesite) & Basic Monolithic Refractories for a host-lot of industries; from iron & steel, mining & metallurgy to manufacturing, construction, and the environment.

Their expertise and attention result in products, which lead their field in the consistency of their chemical and physical properties. Quality of products and integrity of their operations have paid off in customer satisfaction and a leading position in international markets.

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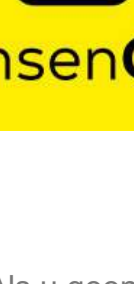
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