

D-CRBN presentation at Renewable Materials conference in Sieburg

Renewable CO: *CO₂ recycling as the cornerstone for an independent and competitive European chemical industry.*

D-CRBN has a proprietary modular and scalable plasma technology capable of splitting the CO₂ molecule into CO or CO₂ + CH₄ (e.g. biogas) into (bio)syngas, all in a fully electrified gaseous phase, without solvents or catalysts. The CO or syngas is then turned into added-value chemicals, such as e-fuels, organic acids, polymers, etc., and used as feedstocks for the chemical, petrochemical, maritime, and metallurgical industries, among others. Our aim at D-CRBN is not only to decarbonize industries by eliminating their point source emissions but also to replace fossil feedstocks with CO₂ recycled added value chemicals. This technology can provide strategic and decentralized resource independence to territories and industries that currently depend on oil and natural gas derivatives for their processes.

In this presentation at the Renewable Materials conference D-CRBN will show how their innovative technology works, which roadmap is laid out to reach industrial implementation and how this energy efficient technology contributes to the production of renewable materials.