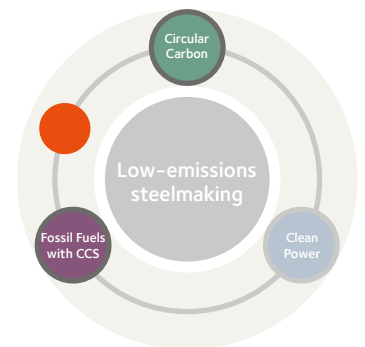


We are integrating breakthrough technologies to bring down the costs of capturing, purifying and liquefying CO₂ from our waste gases. Liquid CO₂ can be made available to other industries for reuse, or transported for storage underground.



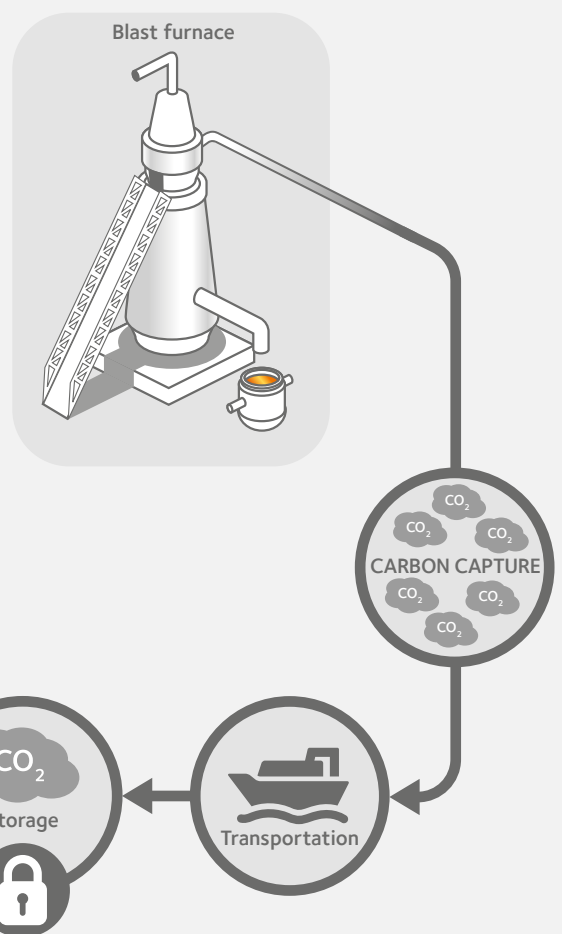
Carbon2Value: capturing fossil fuel carbon for storage or reuse

Developing cost-effective technologies to capture and separate CO₂ from our waste gases, and liquefy it for subsequent transport and storage or reuse, could be key to the transition to low-emissions steelmaking. Combining this with a circular carbon energy input would further reduce CO₂ emissions.

A pilot plant to capture CO₂ has been built in Ghent, Belgium, together with Dow Chemicals as part of the Carbon2Value project supported by INTERREG2Seas.¹⁴

Additionally, at Dunkirk, France, a €20 million industrial pilot to capture CO₂ using only low-temperature waste heat is under construction with our partner IFPEN, supported by the French administration ADEME. This pilot project is aimed at achieving the cost reductions required to make such processes commercially viable.

Figure 9: fossil fuel carbon capture and storage



14 Interreg2Seas: North of France, Flanders, South of Netherlands and UK