

ReCarbn

ReCarbn aims to accelerate the development of Direct Air Capture with the potential to remove gigatons of CO₂ from the atmosphere.

Direct Air Capture



Draws in air

Large fans draw in air from the atmosphere. This can be done anywhere, as long as electricity or heat is readily available.



Filters CO₂

Filters containing engineered chemicals (sorbents), concentrate CO₂ from the air. The filter material is heated to release the captured CO₂.



Reuses

Concentrated CO₂ is stored or transformed into other goods. Filtered CO₂-free air is released into the atmosphere.

Our Product

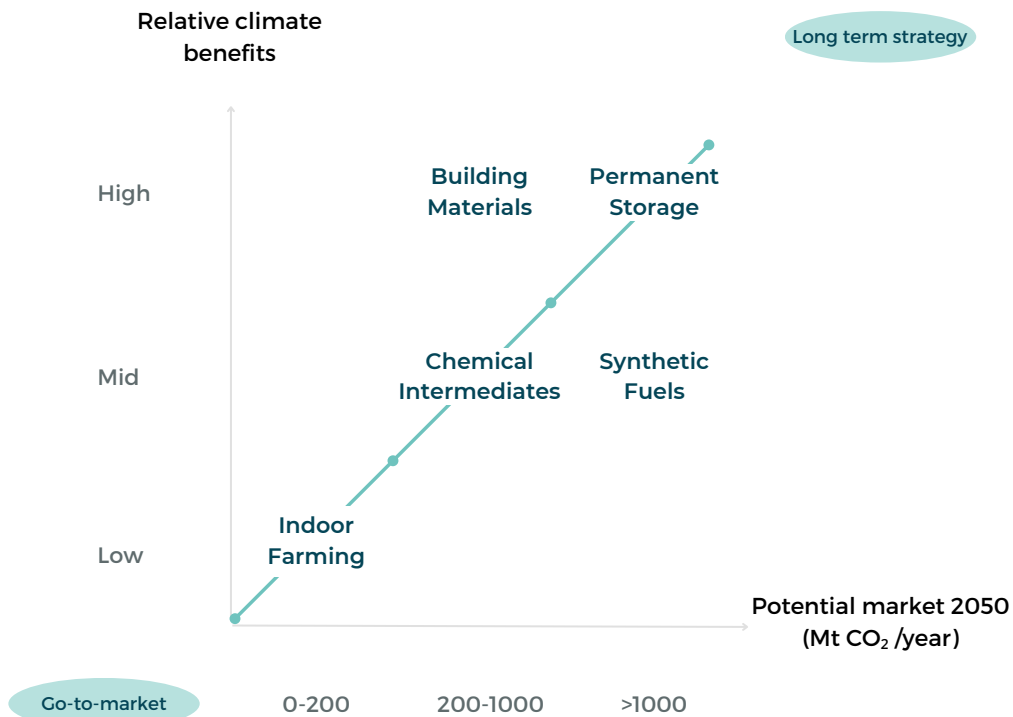
DAC technology uses chemical sorbents to capture CO₂ from the atmosphere. ReCarbn's unique innovation circulates this chemical sorbent between reactors to reduce energy consumption and cycle time compared to traditional fixed solid sorbent technologies.

Benefits

Energy consumption can be reduced by 30% since only the sorbent reactor requires heating and waste energy consumption of heating & cooling of the surrounding material is minimized

Separation of reactors allows specific design optimization of adsorption and regeneration sections.

Areas of application for CO₂ captured by DAC



CO₂ delivery to Dutch greenhouses provides an excellent go-to-market strategy to bring down the capture costs...

... but permanent storage and utilization (fuels, materials) are core in the long term strategy of Recarbn.

Get in touch

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