

Fact Sheet 2023

Our production sites:



Key facts

Commissioning: Q3 '23

Location:
Grevesmühlen, Germany

Technology: 2x PYREG PX1,500

Runtime:
7,500 hours p.a.

Biomass:
6,500-7,500 tons p.a.

CDR method:
Biochar Carbon Removal (BCR)

Carbon Removal Park Baltic Sea

Novocarbo drives decarbonization and the expansion of renewable energies

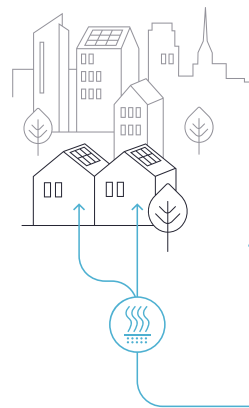
We build and operate carbon removal parks worldwide, pursuing the goal of removing 1 million tons of CO₂ from the atmosphere by 2030.

The Carbon Removal Park Baltic Sea in the green industrial area northwest in Grevesmühlen (Mecklenburg-Vorpommern, Germany) is our largest site to date and a unique example in Germany of a holistic approach to CO₂ removal and green heat generation.

Technology

We use state-of-the-art pyrolysis technology to process plant residues into biochar. In the process, the carbon contained in the biomass is captured and permanently stored in the biochar. This technological solution is called Biochar Carbon Removal (BCR).

The pyrolysis process also produces regenerative, climate-neutral surplus energy, which we offer to local companies or municipal utilities in the form of "heat-as-a-service" partnerships.



At the Carbon Removal Park Baltic Sea, the generated green exhaust heat is fed into the district heating network of Grevesmühlen.

➔ **CO₂-neutral heat,** increasing the share of renewable energies at Stadtwerke Grevesmühlen from 60 % to 75 %.

Products



CEO
Caspar von Ziegner

"Our innovative Carbon Removal Parks combine circular economy with green heat production and can be deployed decentrally in almost any location worldwide."



- 1,700 t of high-quality biochar

for gardening & landscaping, agriculture, construction or textile industry.



- 6,600 MWh green heat and - 1,200 MWh green electricity

are produced in the pyrolysis process and by the PV system.



- 3,200 t of captured CO₂

sold as carbon removal credits.