

Fact Sheet 2024

Our production sites:



Key facts

Commissioning: Q1 '25

Location:

Bochum, Germany

Technology: 4x PYREG PX1,500

Runtime:

8,000 hours p.a.

Biomass:

11,300 tons p.a.

CDR method:

Biochar Carbon Removal (BCR)

Carbon Removal Park Bochum

Novocarbo accelerates the economy's transition to net zero through biochar and climate-neutral energy

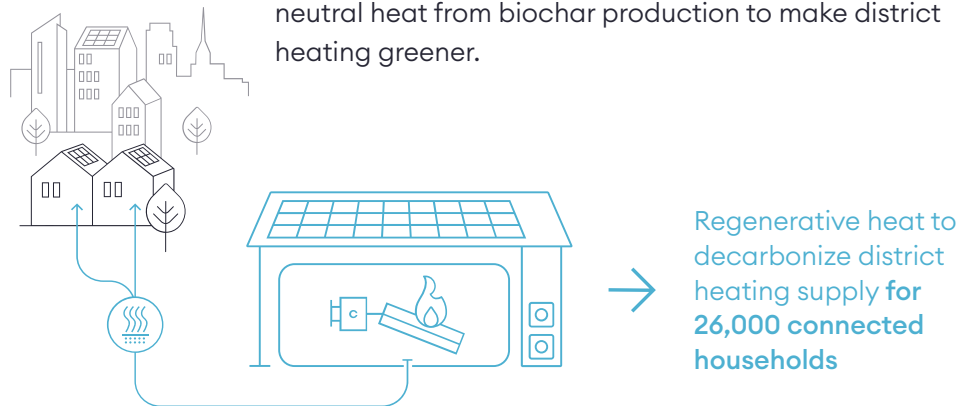
We build and operate Carbon Removal Parks (CDR-Parks) worldwide, pursuing the goal of removing 1 million tons of CO₂ from the atmosphere by 2030. The Carbon Removal Park Bochum will be our largest site to date and a role model for further CDR-Parks.

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 CDR-Park Bochum, the generated green exhaust heat is fed into the district heating grid of Bochum. Stadtwerke Bochum is the first municipal utility in a major German city to use climate-neutral heat from biochar production to make district heating greener.



Products



- 3,300 t of
high-quality biochar

for gardening & landscaping, agriculture, construction or textile industry



- 15,000 MWh green heat
and - 1,100 MWh green
electricity

are produced in the
pyrolysis process



- 6,000 t of
captured CO₂

sold as carbon
removal credits



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."