

Powering Rheinberg's site with biomass

SOLVAY



Solvay's Rheinberg site has been operational since 1907, producing essential **soda ash and bicarbonate products used in industries such as glass, solar panels, EV batteries, air control, pharmaceuticals and flue gas cleaning**. The plant employs 400 people and 300 subcontractors, and plays a key role in Solvay's global operations.



To support global decarbonization targets, Solvay has launched the **Woodpower project** at its Rheinberg site. The initiative focuses on completely **phasing out coal and transitioning to renewable energy** from regional waste wood.

-65%

CO₂ annually vs 2021

Replacing coal by renewable energy

Woodpower uses cogeneration, achieving over 90% efficiency by **producing both electricity and steam from waste wood**, a valuable raw material and regional energy source. The project ensures compliance with strict environmental regulations.

- Surface of 23,000m²
- 430 kilotons of waste wood
- 100% coal phase-out for energy production
- - 480 kilotons of CO₂ emissions per year
- 5 jobs created at Solvay

Advancing Solvay's sustainability goals

The Woodpower project will drive a **5% reduction** in Solvay's Group-wide GHG emissions by 2025, contributing to the company's goal of a **30% reduction in GHG emissions by 2030**. As part of 90 decarbonization projects, these efforts will collectively reduce **2 million tons of CO₂ equivalent annually**, which is comparable to taking 1.2 million cars off the road.