

Senken and Carbonsate Sign Europe's Largest Biomass Storage Deal: 50,000 Tonnes of Permanent Carbon Removal

The multi-year offtake secures permanent carbon removal from Carbonsate's Puro.earth-verified biomass geological storage project in Namibia through 2028, curated under Senken's 600+ data-point Sustainability Integrity Index.

Berlin, August 17th, 2026. Senken today announces the largest biomass storage deal signed in Europe to date: a multi-year carbon removal offtake with Berlin-based **Carbonsate** covering 50,000 tonnes of permanent carbon removal between 2026 and 2028.

The credits come from Carbonsate's biomass storage project in Namibia, where waste wood that would otherwise burn or rot is stored in engineered underground chambers, keeping the carbon locked away for centuries. Senken, the Berlin-based carbon credit procurement partner, will supply the volumes to enterprises that need permanent carbon removal for their climate targets.

About the deal

The agreement covers 50,000 tonnes of certified carbon removal across the 2026 to 2028 vintages, with deliveries beginning this year. It is the second-largest buyer commitment in the biomass geological storage (burial) category worldwide, and the largest for a project operating in Africa. The project can scale beyond 100,000 tonnes per year within the next few years, potential that excites Senken and its corporate buyers. Both companies intend to expand the agreement as that capacity comes online. Permanent removal is still scarce: the entire market has delivered around one and a half million tonnes to date, and this single commitment equals roughly 4% of that. As CSRD reporting and the SBTi's Corporate Net-Zero Standard v2.0 put residual emissions on the CFO's agenda, buyers increasingly secure volumes years ahead of delivery.

The deal is Senken's third multi-year supply commitment of 2026, following its offtake for the aviation industry covering Direct Air Capture, industrial biochar and regenerative agriculture. Senken procured these volumes for its corporate partners, who have near-term demand for permanent removal. Before signing, Carbonsate's project passed the [Sustainability Integrity Index \(SII\)](#), Senken's proprietary 600+ data-point review that fewer than 5% of carbon credit projects pass.

"Demand for permanent carbon removal is already outrunning supply: corporate net-zero targets all point to the same small pool of verified capacity. That gap will define the market for the next decade. We committed for multiple years to secure access for European buyers to credible removal at prices they can plan with." — *Adrian Wons, CEO, Senken*

"Long-term commitments like this one give project developers the certainty to build ahead of demand. This agreement supports the expansion of our Namibia storage sites and brings meaningful new supply of verified, high-integrity carbon removal to the market." — *Johanna Broell, Co-founder and CEO, Carbonsate*

About the project

Biomass storage, also known as biomass burial, prevents the carbon in waste wood from returning to the atmosphere: sealed in engineered underground chambers, the wood cannot burn or decompose, and the carbon stays locked away for centuries. It is one of the youngest methods in permanent carbon removal, with the first certified projects going live in the last few years, and because it needs no energy-intensive capture step, it delivers permanence at a fraction of the price of direct air capture.

Carbonsate applies the method in the savanna around Otjiwarongo, Namibia, where encroacher bush has spread across former grassland for decades, reducing biodiversity and lowering groundwater recharge. Clearing the bush restores rangeland, but the harvested wood is usually burned or left to decay; Carbonsate stores it underground instead, and Namibia's arid climate provides ideal conditions for dry storage. Every chamber is monitored continuously through Carbonsate's proprietary monitoring, reporting and verification (MRV) system, and each tonne is independently verified under the [Puro.earth standard](#), with Isometric certification under evaluation. Operating since early 2025, the project has issued its first credits and is scheduled to deliver roughly 10,000 credits in 2026.

About Senken

senken.io Senken is a carbon credit procurement partner providing high-integrity credits and the proof to defend them to auditors, boards and the press. With its [Sustainability Integrity Index \(SII\)](#), Senken vets every credit against 600+ data points, rejects 95% of market projects, and delivers audit-ready documentation. Senken supports large European enterprises, including Deutsche Telekom, Vodafone, and DZ Bank.

About Carbonsate

carbonsate.com Carbonsate develops biomass storage projects that deliver permanent carbon removal by storing waste wood in engineered underground storage chambers. Instead of allowing waste wood to be burned or decompose, the company preserves biogenic carbon

under controlled conditions for centuries. Each storage site is supported by a proprietary monitoring, reporting and verification (MRV) system and independently verified under the Puro.earth standard. Through the scalable deployment of biomass storage projects, Carbonsate helps expand the supply of high-integrity carbon removal to meet growing demand in the voluntary carbon market.