Carbonsate

Press Release

Carbonsate Inaugurates Africa's Largest Biomass Storage Project, Securing 50,000 Tonnes of Carbon Removal in Namibia

The ribbon-cutting at Farm Yakandonga marks a major milestone for the global carbon economy, introducing a scalable, energy-efficient method that locks carbon underground for centuries while regenerating local ecosystems and driving regional value creation.

Berlin/Otjiwarongo, October 16, 2026 – Carbonsate today announced the official inauguration of Africa's largest biomass storage project. At a formal ribbon-cutting ceremony held at Farm Yakandonga, Namibia, attended by Hon. John Julius Khamuseb, Governor of the Otjozondjupa Region, alongside local stakeholders and project partners, the Berlin-based climate tech company launched its third carbon removal chamber with over 5,000t of CO_2 removed. The event also celebrated a historic 50,000-tonne offtake agreement in partnership with Senken, demonstrating that long-term, high-integrity carbon removal can be deployed rapidly and at scale, without the need for complex industrial infrastructure. Senken is a carbon credit procurement partner serving large European enterprises including Deutsche Telekom, Vodafone, and DZ Bank, providing them with high-integrity credits and proof to defend them to auditors, boards and the press.

"The carbon economy is no longer a future vision – it is being built right now on the ground," says Johanna Broell, Co-founder and CEO of Carbonsate. "This project proves that we can deliver scalable, long-term carbon removal while actively regenerating local ecosystems."

An Ecological Solution with Verified Local Impact

In Namibia, "encroacher bush" severely depletes critical groundwater recharge and reduces biodiversity across millions of hectares. Instead of allowing harvested waste wood to be burned or decay - which releases carbon back into the atmosphere - Carbonsate leverages nature's own technology. The biomass is chipped, compacted, and placed into engineered, anoxic underground chambers. By eliminating exposure to oxygen and moisture, decomposition is strongly inhibited, securing the carbon underground for centuries. This method is one of the most efficient carbon removal pathways. The removal of the encroacher bush clears the way for natural grasses to return, can help reduce soil erosion, and restores the savanna. Furthermore, the sale of carbon credits channels international climate finance directly into the region, paying local farmers and service providers. To guarantee environmental integrity, autonomous sensors continuously track internal chamber conditions, with every tonne independently certified under the rigorous Puro.earth standard.

A Roadmap to the future carbon economy

This third chamber, more than double the size of the previous chambers, serves as a replicable

blueprint for Carbonsate's international expansion. With approximately 450 million tonnes of encroacher biomass available in Namibia alone, the operational model is highly scalable. The 50,000-tonne agreement acts as a catalyst for the company's roadmap to remove 10 million tonnes of CO_2 annually by 2033.

"Long-term commitments give us the certainty to build ahead of demand," Broell adds. "We are incredibly grateful to our local partners, our team, and Senken for making this milestone possible. We invite companies worldwide to secure their carbon removal capacity and join us in building the future carbon economy."

About Carbonsate

Carbonsate is a climate technology company developing scalable systems for permanent carbon removal. The company designs and operates technology that converts excess biomass into long-term carbon storage, combining nature-based feedstocks with engineered durability. The system delivers measurable climate impact and ecosystem benefits, and is built for deployment across regions worldwide. As the first European company focused on biomass storage for carbon removal, Carbonsate translates scientific insight into infrastructure for a net-zero future.

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