# Gigaton Spotlight: Vycarb

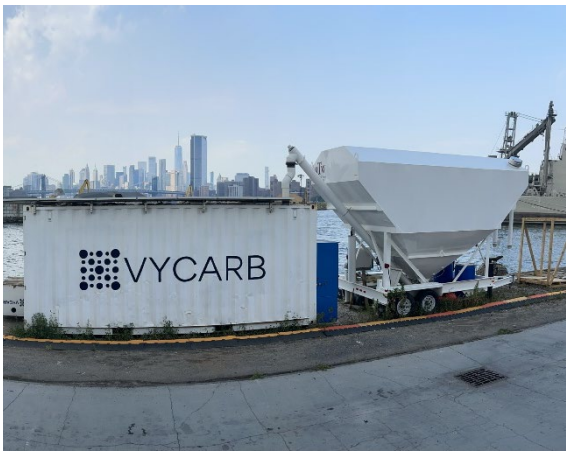
How AT&T connectivity expertise enables emissions reduction and business value

## About Vycarb

Vycarb is a Brooklyn-based carbon management company that captures and permanently stores $CO_2$ using water-based chemistry and real-time sensor technology. Vycarb's mission is to make permanent carbon storage accessible, affordable and verifiable at scale.

## Gigaton Pathway: Carbon Removal

- Through an innovative carbon management process, Vycarb's technology chemically converts and stores carbon dioxide into dissolved bicarbonate and carbonate, naturally occurring compounds that form the ocean's largest permanent carbon reservoir.
- Vycarb's technology provides a direct method for capturing and storing $CO_2$ for emissions reduction and decarbonization strategies, accelerating Earth's natural carbon storage systems in a scalable and safe way.
- On-site carbon capture, removal and storage eliminates the need for long-distance transport, requires minimal infrastructure and delivers rapid environmental benefits compared to traditional carbon capture methods.




## Vycarb is contributing to AT&T's Gigaton Goal

- Through permanent carbon storage, Vycarb delivers lasting emissions reduction and removals that remain securely stored in natural water systems, with real-time sensors that monitor reduction.
- Vycarb's technology can store industrial and biogenic $CO_2$, enabling verifiable emissions reduction or carbon dioxide removal credits with high-integrity, real-time auditable data.
- With several emitters across the globe unable to access traditional carbon capture and storage infrastructure, Vycarb's technology offers an effective solution with potential for large-scale deployment.

## Connectivity helps enable Vycarb's success

- Vycarb's technology, enabled by AT&T's advanced connectivity, delivers continuous monitoring and performance optimization.
- Through this collaboration, AT&T and Vycarb are advancing emissions reduction and carbon removal innovation to address environmental challenges.