

Greenlyte is tackling the detrimental effects of Global Warming with Direct Air Capture Technology

Greenlyte, a German startup, is redefining the narrative of progress, replacing coal's smog with clean skies and sustainable energy. Using advanced technology, Greenlyte captures atmospheric CO2 and converts it into green energy sources, fuels and storage.

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Greenlyte was founded in 2022 by serial entrepreneurs Florian Hildebrand and Dr. Niklas Friederichsen, alongside a seasoned direct air capture (DAC) expert Dr. Peter Behr. The company specializes in DAC and hydrogen technology, efficiently removing CO2 from the atmosphere using a liquid-sorbent solution, while also producing hydrogen as a valuable by-product.

Today Greenlyte is a DAC technology leader with investors such as Earlybird Ventures and Partech, with Dr. Hendrik Brandis, Earlybird cofounder and Partner stating:

"Greenlyte's swift progress and ability to secure over €25M in funding and grants in such a short period of time is a clear indicator of the market's trust in their offering. We are convinced that their

DAC technology will make a real difference in the world and are proud to continue supporting Greenlyte's team in advancing DAC technology.”

The company's success is evident as Greenlyte has been nominated by the Norrsken Foundation as one of the world's most impactful startups. Each year, the foundation releases its prestigious 'Impact/100 List,' featuring only the 100 most promising startups globally, with Greenlyte securing a coveted position in the 2024 edition. The Norrsken Impact/100 team processed more than 1200 startups and measured their impact based on those driving measurable, positive progress against 17 sustainable development goals. As a result Greenlyte was featured at Time Square in New York to celebrate being named one of the world's most promising impact startups working actively to shape a better future. Florian Hildebrand, cofounder and CEO at Greenlyte said:

“It is a great honour to be included on the Norrsken Foundation's Impact/100 List. But it's also a testament to the fact that successful and impactful companies can emerge from the Ruhr region and NRW. German innovation is far from dormant, and we're proud to contribute our part to a sustainable future.”

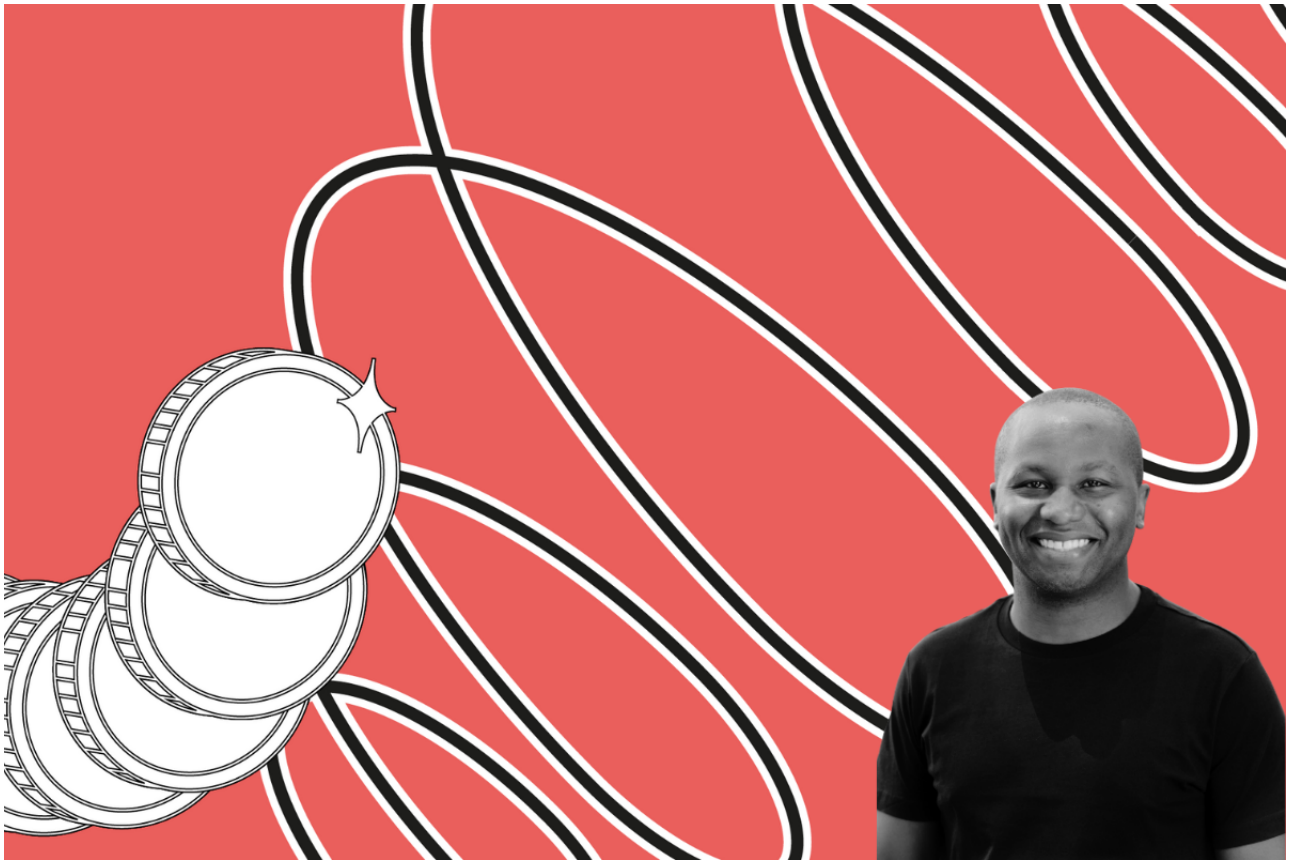
Greenlyte's latest joint project with Montreal-based carbon removal project developer Deep Sky is an example of the important work they are doing. As the world's first gigaton-scale carbon removal company, Deep Sky will operate Greenlyte's DAC system as part of its Labs test facility. The system will be installed in 2025, leveraging the region's vast renewable hydroelectric energy reserves.

Although Greenlyte was only founded in 2022, it's backed by 15 years of research, which has led the company to its success. What might seem like

an overnight achievement is underscored by raising over €25M and being featured on the Norrsken Foundation's Impact/100 List. Greenlyte builds on a strong legacy of green tech research and industry innovation, contributing to a brighter, cleaner future for all.

About Greenlyte Carbon Technologies

In a world where rising greenhouse gas emissions are threatening ecological stability, innovation and decisive action are essential. Greenlyte, founded in 2022, has made it its mission to combat the climate crisis with its pioneering Direct Air Capture (DAC) technology. By simultaneously capturing CO₂ and producing green hydrogen, Greenlyte generates significant cost reductions for these resources. This technological breakthrough enables cost- and energy-efficient production of green fuel and comprehensive negative emissions. Greenlyte has raised more than 25 million euros, counts more than 50 team members and has successfully launched its first commercial projects. In the coming years, the company plans to expand its CO₂ capture capacity to 0.1 gigatons of CO₂ p.a. by 2050 - at a cost of less than \$100 US per ton.



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