

Dotz Partners with Filtration Technology Leader - Hengst - to Develop Structured CO₂ Capture Adsorber

19 February 2026 – Dotz Nano Limited (ASX: DTZ, OTC: DTZZF/DTZNY; “Dotz” or “the Company”), a material science company developing advanced solutions for climate and industrial applications, has signed a Memorandum of Understanding (MOU) with Hengst SE, a global leader in filtration and fluid management solutions, to jointly develop and test structured Direct Air Capture (DAC) adsorber incorporating Dotz’s proprietary sorbent materials.

Under the MOU, Dotz will supply its AMP-family sorbents for prototype development, while Hengst will leverage its advanced filtration design, molding, and manufacturing capabilities to structure the materials into DAC adsorber formats and conduct performance benchmarking against commercial sorbents. If the prototype achieves predefined performance targets, the companies intend to enter good-faith discussions regarding potential commercial supply agreements.

Dotz CEO, Sharon Malka, said: “This MOU represents a major step forward as we bring our solution closer to DAC players, moving from sorbent material innovation to structured DAC system solutions, paving the way for broader commercial deployment. We are proud that Hengst, a global leader in filtration technology, recognizes the potential of our high-performance sorbent materials. Together, our goal is to develop a plug-and-play adsorber with superior performance, helping DAC players reduce capture costs while simplifying logistics and system integration.”

Dr. Laura Marie Henning, Development Engineer at Hengst SE, said: “Direct Air Capture presents unique technical challenges that require both advanced sorbent materials and optimized structured adsorber design. We look forward to combining Hengst’s expertise in filtration engineering and industrial manufacturing with Dotz’s innovative sorbent technology to evaluate high-performance DAC adsorber concepts.”

About the Solid Sorbent-based Direct Air Capture (DAC) Market

The DAC market is experiencing rapid projected growth, driven by expanding global climate commitments, technological innovation, and increasing corporate and policy support. Industry research forecasts the global DAC market to expand from the low-hundreds of millions today to around \$2.5 billion by 2030, growing at an annual rate exceeding 60 % through the latter half of this decade¹ as demand for scalable carbon removal solutions rises. Solid sorbent-based DAC, the core technology behind Dotz’s innovation, is expected to capture a meaningful share of this expansion due to its modularity and performance potential².

This announcement has been authorised for release by the Board of Directors of Dotz Nano Limited.

¹ <https://www.globenewswire.com/news-release/2025/11/11/3185252/0/en/Direct-Air-Capture-Market-Growing-at-68-3-CAGR-Hit-2-58B-by-2030-Fueled-by-Tax-Incentives-and-Corporate-Net-Zero-Deals-Says-Mordor-Intelligence.html>

² <https://www.grandviewresearch.com/industry-analysis/direct-air-capture-market-report>



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About Dotz Nano Limited

Dotz Nano Limited (ASX: DTZ, OTC: DTZZF/DTZNY) is a technology leader driving innovation in material science, addressing some of the world's toughest industrial and environmental challenges by fusing chemical expertise with practical, real-world solutions.

Delivering transformative high-performance materials for the technologies of tomorrow, Dotz designs, develops, and deploys customized nanomaterial-based solutions that meet the evolving needs of our customers, enabling a cleaner, more efficient, and sustainable industrial future.

Our focus lies in advancing next-generation sorbent materials engineered for Direct Air Capture and Point Source CO₂ Mitigation with exceptional performance, making carbon capture and removal economically viable.

With a commitment to innovation and sustainability, Dotz Nano Limited is at the forefront of carbon management technologies, offering innovative high-performance sorbent materials directly addressing industry bottlenecks of cost, efficiency and scalability and promoting a sustainable future.

To learn more about Dotz, please visit www.dotz.tech

About Hengst SE

Hengst SE is a Germany-based global leader in filtration and fluid management solutions for engines, machines, systems, and industrial plants. The company has extensive expertise in filter product development, pressure casting, and injection molding technologies, supporting advanced industrial and process air applications.

For more information, please visit www.hengst.com

Future Performance and Forward-Looking Statements

This announcement contains certain statements that constitute forward-looking statements that may be identified by the use of terminology such as "may," "will," "expects," "plans," "anticipates," "estimates," "potential" or "continue" or the negative thereof or other comparable terminology. Examples of such statements include, but are not limited to, statements regarding the design, scope, initiation, conduct and results of our research and development programs; our plans and objectives for future operations; and the potential benefits of our products and research technologies. These statements involve a number of risks and uncertainties that could cause actual results and the timing of events to differ materially from those anticipated by these forward-looking statements. These risks and uncertainties include a variety of factors, some of which are beyond our control. Forward looking statements, opinions and estimates provided in this announcement are based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions. Forward looking



statements including projections, guidance on future earnings and estimates are provided as a general guide only and should not be relied upon as an indication or guarantee of future performance.

