ASX and MEDIA RELEASE

Dotz Partners with CarbonCapture Inc. to Advance Kilogram-Scale Sorbent Trials

3 July 2025 - **Dotz Nano Limited (ASX: DTZ, OTC: DTZZF/DTZNY; "Dotz" or "the Company")**, a leading developer of innovative climate and industrial nanotechnologies, has signed a Memorandum of Understanding (MOU) with direct air capture (DAC) leader, CarbonCapture Inc. (CCI) to expand the evaluation of Dotz's high-performance DAC sorbent material.

CCI recently completed preliminary gram-scale testing of p-AMP, Dotz's proprietary DAC sorbent, which demonstrated high-potential performance characteristics. Under the MOU, the collaboration will now advance to proof-of-concept evaluation at the kilogram scale, using a structured form of the sorbent material.

Dotz CEO, Sharon Malka, said: "We are excited to collaborate with CCI, one of the leading global developers of DAC technologies, to further evaluate our innovative sorbent material for potential deployment in their planned DAC hubs. CCI's extensive experience in sorbent development, performance assessment, and system integration, along with their decision to proceed with kilogram-scale evaluation, endorses our sorbent's performance and its competitive position in the DAC materials space."

CCI's Chief Technology Officer, Saeb Besarati, said: "We are very impressed by the performance of Dotz's sorbent and share their view that innovation in sorbent materials is a key lever for reducing the cost of CO_2 capture and enabling gigaton-scale deployment as a pathway to reversing climate change. We look forward to the next phase of evaluation and hope to further expand our collaboration."

Dotz's p-AMP is a powdered, polymer-based material engineered for maximum CO_2 adsorption from ambient air. Specifically tailored for DAC applications, it is functionalized with chemical groups that enable ultra-efficient chemisorption. Its unique surface modification enables it to be shaped into structured forms, making it suitable for integration into advanced DAC systems. This next-generation sorbent offers high capture capacity, enables low-temperature regeneration, and has the potential to significantly reduce the cost of CO_2 capture.

According to the International Energy Agency's 2024 CCUS database, the solid sorbent DAC market is projected to exceed US $1.5 billion by 2027. Solid sorbent technologies are expected to dominate future DAC deployments, presenting significant growth opportunities for innovators and partners in this rapidly expanding sector.

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

For further information, please contact:

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About Dotz Nano Limited

Dotz Nano Limited (ASX: DTZ, OTC: DTZZF/DTZNY) is a pioneering developer of innovative climate and industrial nanotechnologies dedicated to addressing pressing global environmental and industrial challenges.

Our focus lies in advancing carbon management technologies offering an efficient and sustainable approach, thereby supporting the shift towards a carbon-neutral future. At the heart of Dotz Nano's mission are groundbreaking carbon management solutions, which include DAC and point source capture. Our unique strategy integrates novel porous sorbents with advanced process designs, enabling low-cost carbon capture and removal applications.

With a commitment to innovation and sustainability, Dotz Nano Limited is at the forefront of carbon management technologies, offering innovative and cost-effective solutions that play a crucial role in addressing climate change and promoting a sustainable future.

To learn more about Dotz, please visit the website via the following link www.dotz.tech

About CarbonCapture Inc.

CCI develops and deploys DAC machines that can be connected in large arrays to remove massive amounts of carbon dioxide from the atmosphere. With a patented modular open systems architecture, the company's DAC systems allow for mass production, plug-and-play upgrades, and unlimited scalability.

For more information, please visit **carboncapture.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.