ASX and MEDIA RELEASE

Dotz Nano Announces Small Cap Growth Virtual Investor Conference Highlights

Sydney, 12 December 2025 -- Dotz Nano Limited (ASX: DTZ, OTC: DTZZF/DTZNY, "Dotz" or "Company"), a technology leader driving innovation in material science and nanotechnologies, includes with this announcement the presentation at the recent Small Cap Growth Investor Conference. The presentation highlighted the Company's progress, recent milestones, and the significant opportunities ahead as Dotz advances its proprietary carbon capture technology.

Key Highlights

Surging Global Demand for High-Performance Sorbents

This world's most urgent climate challenge is to scale carbon capture affordably and efficiently. This imperative is generating a growing global demand for high-performance sorbent materials capable of overcoming the limitations of current, often inefficient, and hard-to-scale alternatives. Driving down the cost of capture is key to accelerating carbon removal adoption.

Proprietary Sorbent Materials Outperform Commercial Alternatives

Dotz has developed a breakthrough platform of novel solid sorbents specifically engineered to address the industry's critical bottlenecks: cost, efficiency, and scalability. Dotz's sorbents have demonstrated improved performance and efficiency, outperforming today's commercial options in key metrics, including efficiency (higher CO_2 adsorption), stability (longer lifespan), and energy use (lower regeneration requirements).

Accelerating Commercial Traction and Sustainable Growth Path

Dotz is demonstrating strong early traction and validation with industry leaders, positioning the Company for a sustainable growth path. Dotz is engaged with over a dozen potential end-users across various sectors, with successful lab-scale testing already completed by most of these firms. This accelerating momentum is generating initial revenue streams through customer evaluation and testing partnerships with early industry leaders.

Sharon Malka, Chief Executive Officer of Dotz Nano concluded his session by stating: "With a breakthrough platform technology supported by strong Intellectual Property, independent users' validation, and growing customer traction, we believe Dotz is perfectly positioned to capture a leading share of the rapidly expanding sorbent market**".**

For a webcast replay, please use the recording link below:

Virtual Investor Conferences

About Dotz Nano Limited

Dotz Nano Limited (ASX: DTZ, OTC: DTZZF/DTZNY) is a technology leader driving innovation in material science and nanotechnologies, addressing some of the world's toughest industrial and environmental challenges by fusing nanomaterial science 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 (DAC) and Point Source CO_2 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 the website via the following link www.dotz.tech

CONTACTS:

Investor and Media Enquiries	**US IR**
Shirley Shoshaney-Kleiner	Matt Chesler
E: shirley.s@dotz.tech	E: matt@fnkir.com
P: +972 (3)77 55 238	P: +1-646-878-9204

Capture the Future

Nanomaterial Innovations Shaping Industry and Climate.

Dotz Nano Limited [ASX:DTZ, OTC:DTZNY/DTZZF]
Corporate Deck; info@dotz.tech

December 2025

Driving innovation in material science & nanotechnologies.

Vision

Delivering transformative high-performance materials for tomorrow's carbon neutral energy and industrial technologies

Mission

We design, develop, and deploy customized nanomaterial-based solutions, enabling a cleaner, more efficient, and sustainable industrial future

Key Innovations:

Dotz.EARTH

Next gen sorbent materials for Carbon capture

Proprietary sorbents engineered for Direct Air Capture (DAC) and Point Source CO_2 Mitigation

Dotz.SHIELD

In-product nano-markers

An industry-first commercial solution for real-time monitoring of corrosion inhibitors

Dotz at a glance.

Perfectly positioned at the intersection of climate tech and advanced materials

Surging Global Demand for High-Performance Sorbents, as the Key to Driving Down the Cost of Carbon Removal

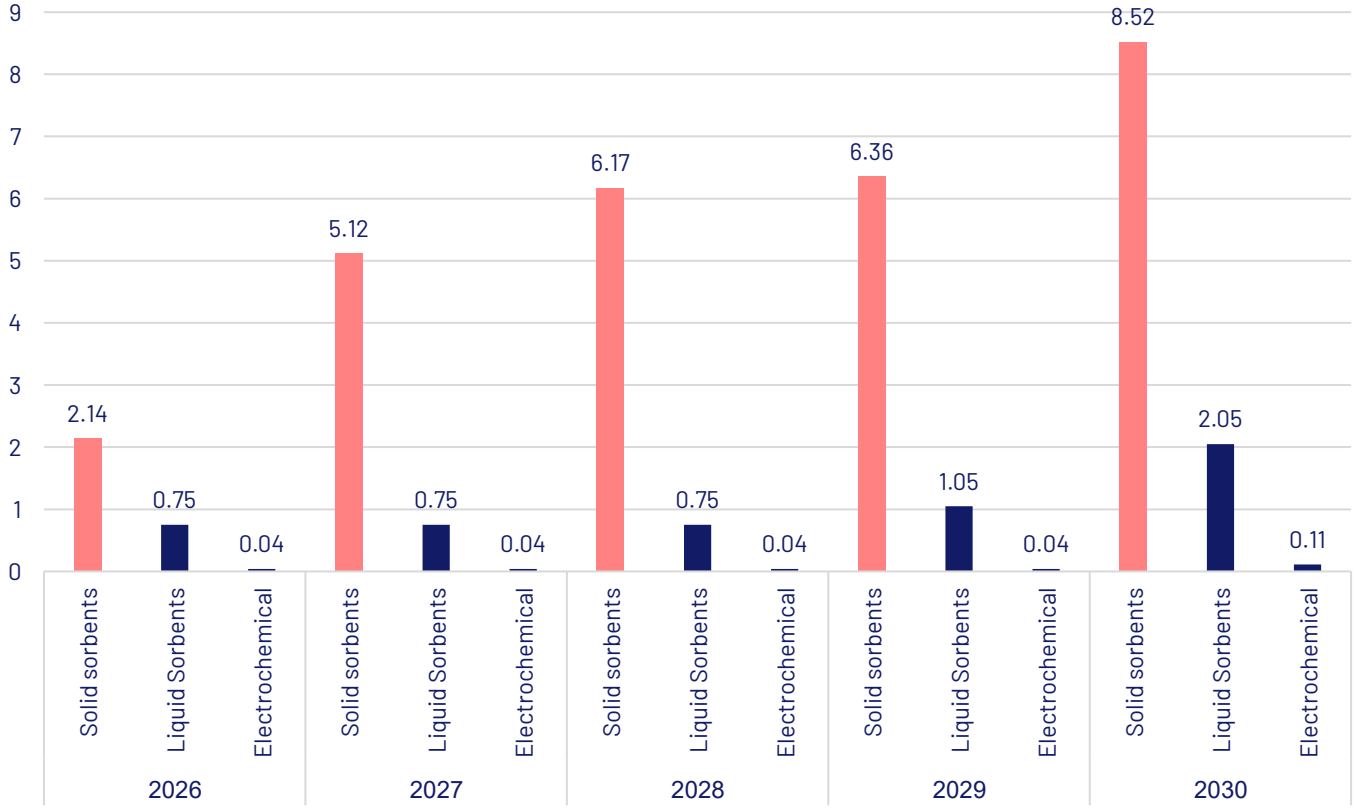
Proprietary Sorbent Materials, Outperform Commercial Alternatives in Efficiency, Stability, and Energy Use

Early Revenue Traction & Sustainable Growth Path, Leveraging Scalable & Capital-Efficient Model

Solid sorbents unlock a gigaton-scale carbon future.

Current sorbent materials are inefficient and can't scale affordably

Planned capacity (MT CO_2) per DAC technology[1]



The path for gigaton-scale carbon removal starts with solid sorbents

" Direct carbon capture falters as developers' costs fail to budge" *Financial times*

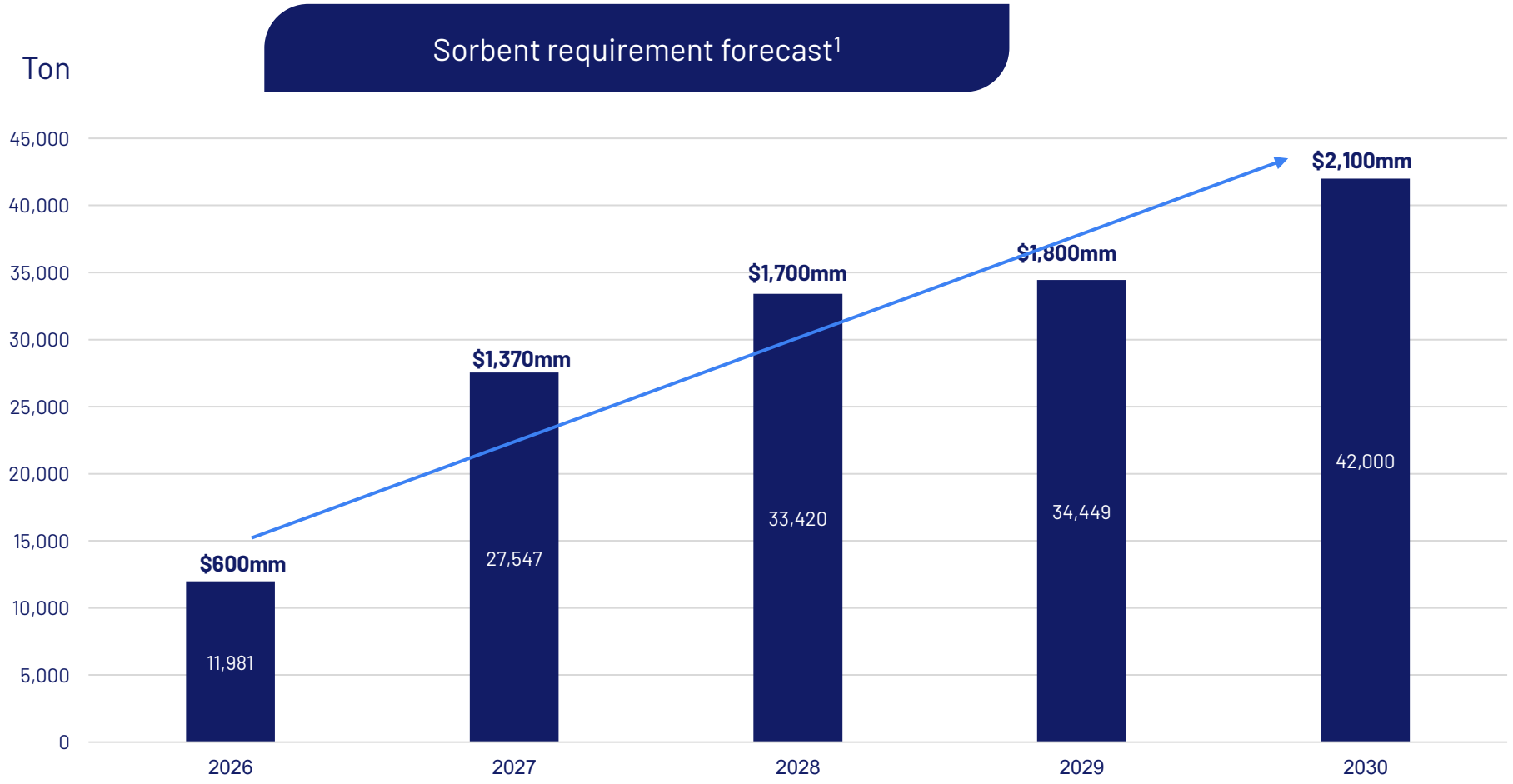
CCI: "innovation in sorbent materials is a key lever for reducing the cost of CO_2 capture and enabling gigaton-scale deployment"

Sirona:"solid sorbents have the clearest path to rapid cost decline; staying sorbent-agnostic lets us ride material innovation"

1 IEA CCUS projects database 2025

Surging global demand for high-performance sorbents.

A multi-billion-dollar global opportunity that's only beginning to scale



1 Management estimation;
Key aassumptions: sorbent durability of 3,000 cycles, 3-hour cycle, low-temp TVSA process, DAC unit capacity of 1 ton per annum, $50k/ton of sorbent

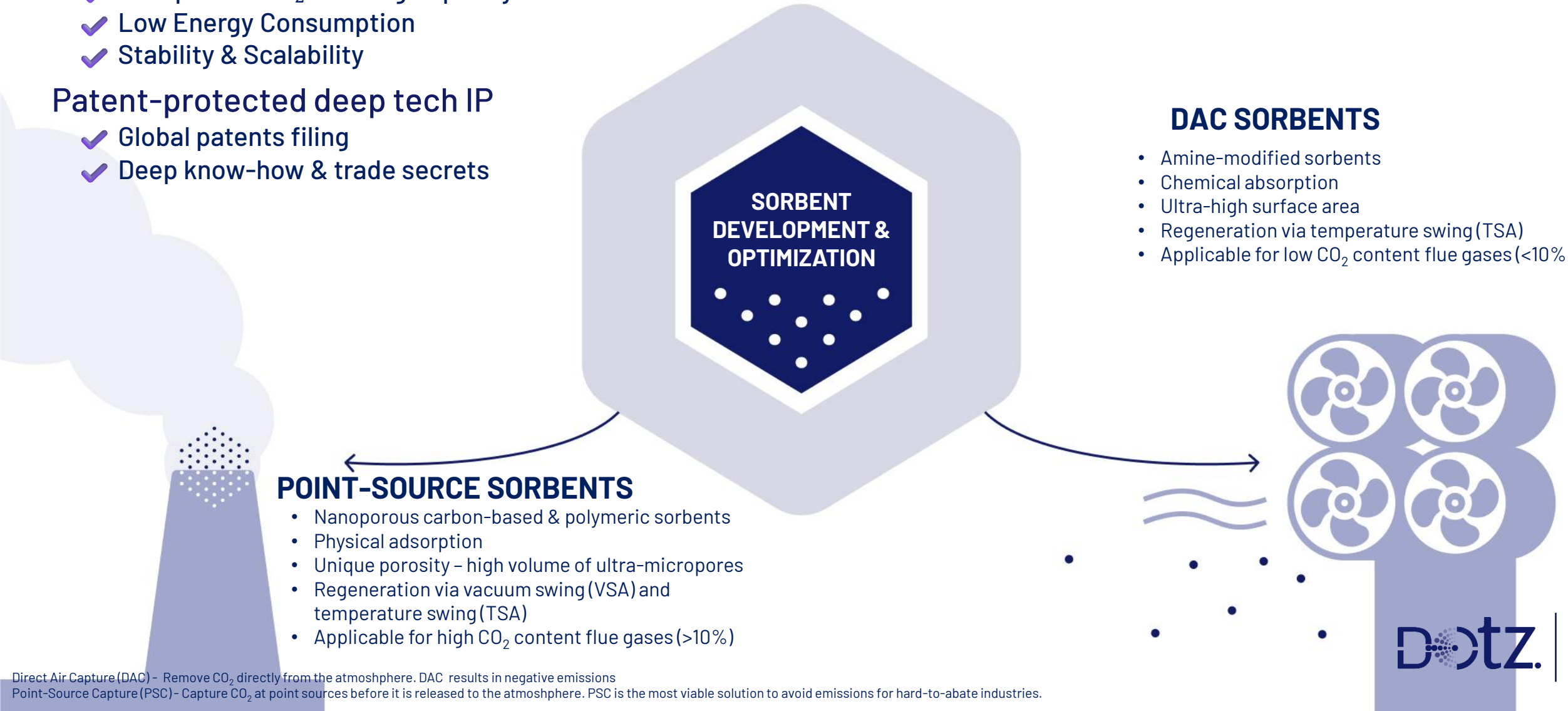
Next-generation platform of sorbent materials.

Addressing industry bottlenecks of cost, efficiency and scalability

- ✔ Exceptional CO_2 Working Capacity
- ✔ Low Energy Consumption
- ✔ Stability & Scalability

Patent-protected deep tech IP

- ✔ Global patents filing
- ✔ Deep know-how & trade secrets



DAC SORBENTS

- Amine-modified sorbents
- Chemical absorption
- Ultra-high surface area
- Regeneration via temperature swing (TSA)
- Applicable for low CO_2 content flue gases (<10%)

POINT-SOURCE SORBENTS

- Nanoporous carbon-based & polymeric sorbents
- Physical adsorption
- Unique porosity – high volume of ultra-micropores
- Regeneration via vacuum swing (VSA) and temperature swing (TSA)
- Applicable for high CO_2 content flue gases (>10%)

Direct Air Capture (DAC) - Remove CO_2 directly from the atmoshphere. DAC results in negative emissions
Point-Source Capture (PSC) - Capture CO_2 at point sources before it is released to the atmoshphere. PSC is the most viable solution to avoid emissions for hard-to-abate industries.

Ultra-efficient CO_2 capture sorbent material.

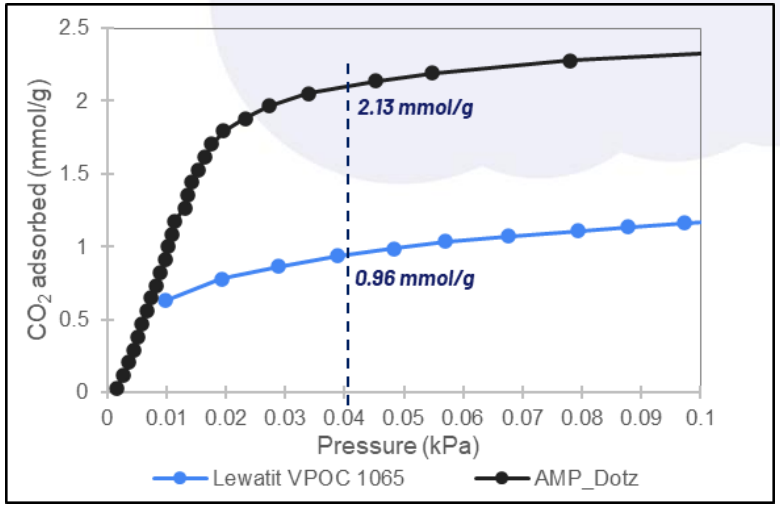
Superior adsorption capacity, outperforming commercial sorbents

- **HIGH PRODUCTIVITY**
  SUPERIOR CO_2 WORKING CAPACITY
- **ENERGY EFFICIENT**
  LOW-TEMPERATURE REGENERATION
- **STABILITY & SCALABILITY**
  BUILT FOR LONG-TERM, REAL-WORLD USE

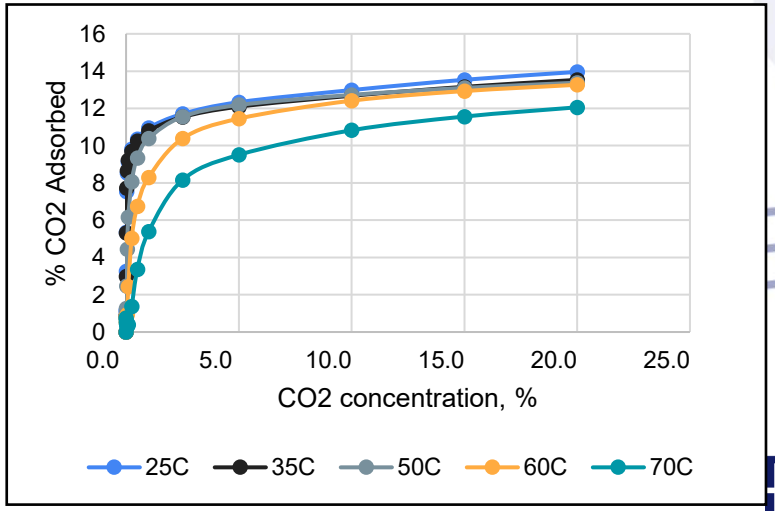
Validated in lab-scale tests

✔ TVSA LAB-SCALE PILOT DEMONSTRATION RESULTED IN SUPERIOR PERFORMANCE COMPARED TO COMMERCIAL DAC SORBENT[1]

CO_2 adsorption capacity at 400ppm, 25°C[1](dry)

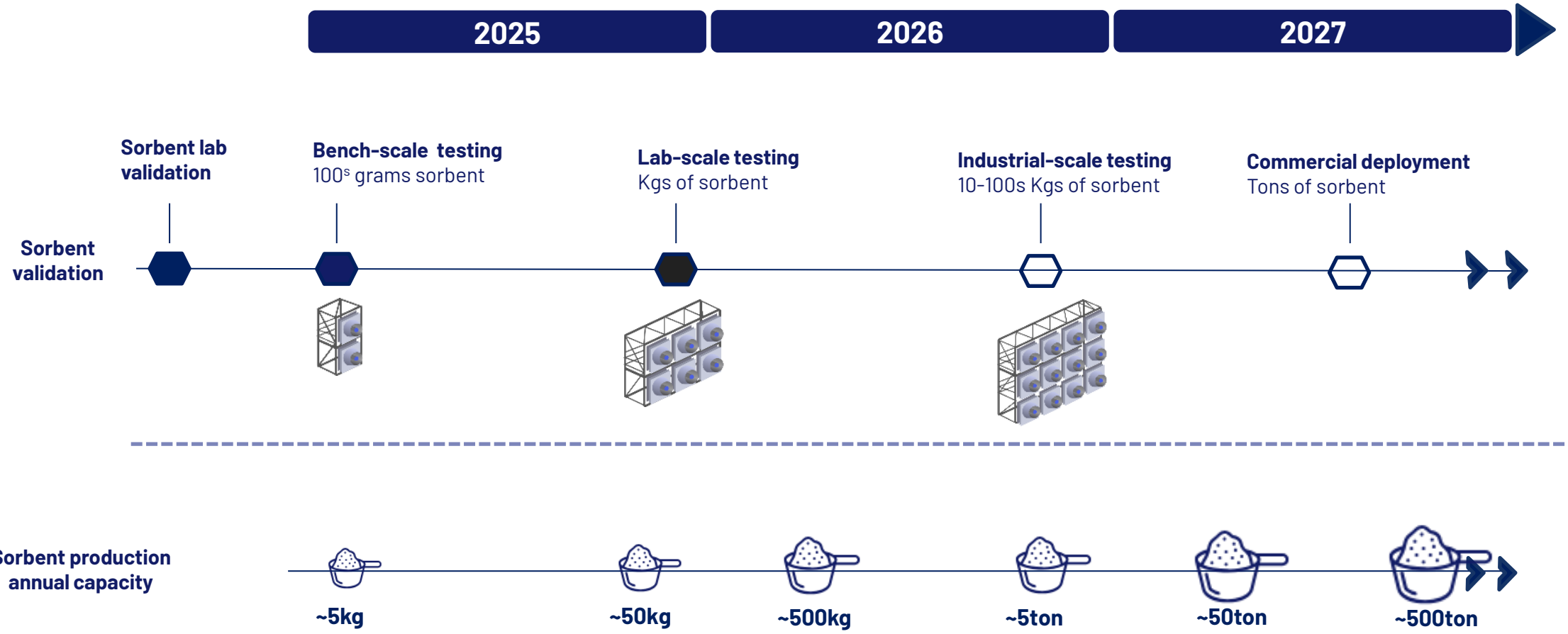


CO_2 adsorption capacity at variable CO_2 concentration



1 Commercial DAC sorbent – VPOC 1065 amine grafted; Testing conditions: the feed ambient air was 22°C, 400ppm CO2 and 30% relative humidity

Validated by 3rd party users and research partners.



From innovation to commercialisation.

Product development

First generation development & charactrization completed

Continous development of sorbent materials portfolio

Industry Validation

Succesful lab-pilot testing

Endorsed by 3rd parties user testing & varification

Monetization

Activaly engaged with potential customers

Strong traction from industry

Strategic alliances

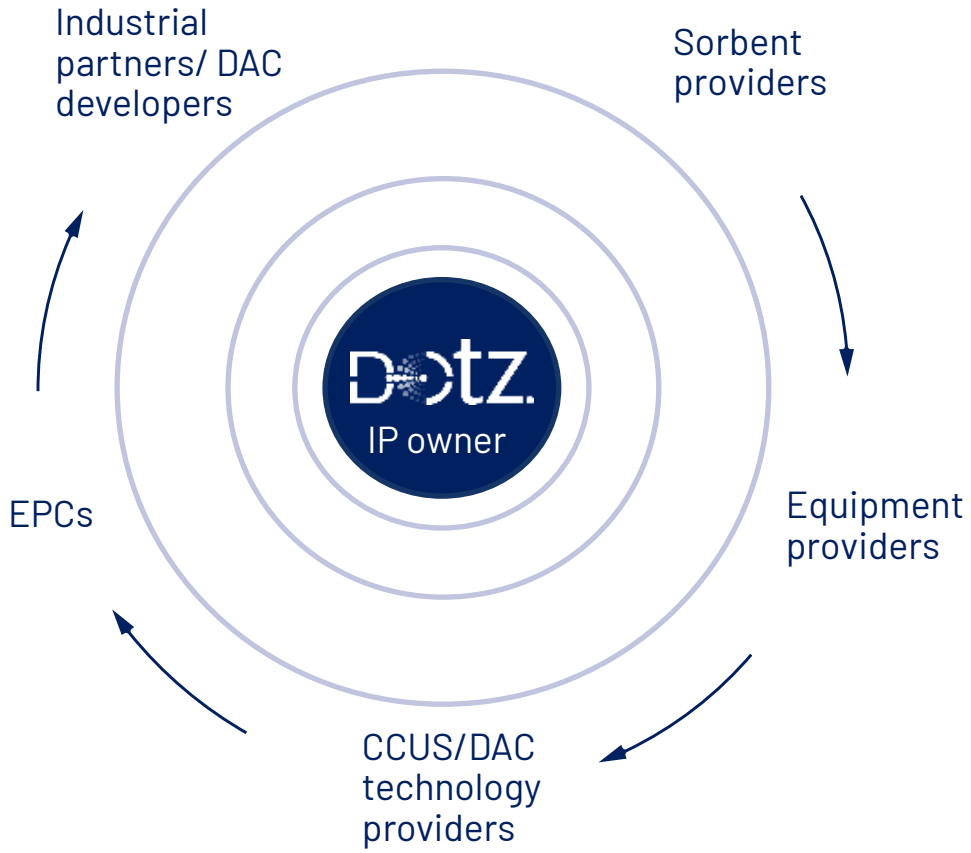
Broad partnerships opportunities along the supply chains.

Phased Go-To-Market strategy

Initial focus on early evaluation partners/customers

Converting early evaluation customers into collaboration agreements and supply orders for piloting and demonstration

Long-term commercial agreements in 2027+



Hybrid engagement model

Paid pilot programs with performance-based milestones

Long-term supply contracts or tech licensing after validation

Joint development agreements for integration into existing tech

Revenue traction, momentum & sustainable growth path.

	2025	2026	2027	2028
Customer journey	**Customer evaluation**	**Pilot Testing**	**Pilot Deployment**	**Commercial Deployment**
Expected Annual capacity[1]	**30Kg**	**3-5 Tons**	**300-500 Tons**	**>2500 Tons**
Estimated Price[1]	8,000 $/kg	500-1,000 $/kg	100k-250k $/t	50k-100k $/t

Initial Revenues Secured in 2025

- ✓ Completed successful lab tests at gram-scale by more than a dozen potential clients/partners
- ✓ Signed MoU with CCI to advance POC evaluation at kg-scale
- ✓ Commenced performance testing & demonstration by multinational automotive manufacturer
- ✓ Initial revenue generated from early customer demand for product evaluation and testing

Piloting and Integration in 2026

- Converting early evaluation customers into supply orders for pilot deployments and demonstration
- Modular capital-light production scale-up
- Secure strategic industry alliances

Substantial Growth Expected in 2027+

- Revenue ramp driven by multi-year commercial agreements in 2027+
- Capital-light production scale-up

1 Management estimation based on production scale-up plans and ongoing discussions with CMOs

Investment highlights.

Surging global demand for high-performance sorbents
High-performance sorbents are the key to driving down the cost of carbon removal

Breakthrough Carbon Capture Technology
Significantly outperform commercial alternatives in efficiency, stability, and energy use

Early Revenue Traction & Sustainable Growth Path
Generating initial revenues in 2025 from customer evaluations, unlocking near-term revenue ramp up

Scalable, Capital-Efficient Model
Modular production and partnership strategy enable rapid scale-up with minimal capex

Patent-Protected Deep-Tech IP
Advanced material science form clear competitive edge and high technical barriers to entry

Disclaimer and important notice

*This Presentation has been prepared by Dotz Nano Limited ACN 125 264 575 (**Dotz Nano** or the **Company**) and is general background information about the Company's activities as at the date of this Presentation. The information is given in summary form and does not purport to be complete in every aspect. In particular you are cautioned not to place undue reliance on forward looking statements regarding our belief, intent or expectations with respect to the Company's businesses, market conditions and/or results of operations, as although due care has been used on the preparation of such statements, actual results may vary in a material manner. Information in this Presentation or subsequently provided to the recipient of this information, whether orally or in writing, including forecast financial information, should not be considered advice or a recommendation to investors or potential investors in relation to holding, purchasing or selling securities in the Company.*

Future performance and forward looking statements

This Presentation 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 Presentation 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.

Third party data

This Presentation includes or is otherwise based on information obtained from publicly available information, including data from various independent research firms and industry associations as noted, and other information publicly released by corporations and government departments. Dotz Nano has not independently verified or audited this information or any information and accordingly the accuracy and completeness of such information is not guaranteed.

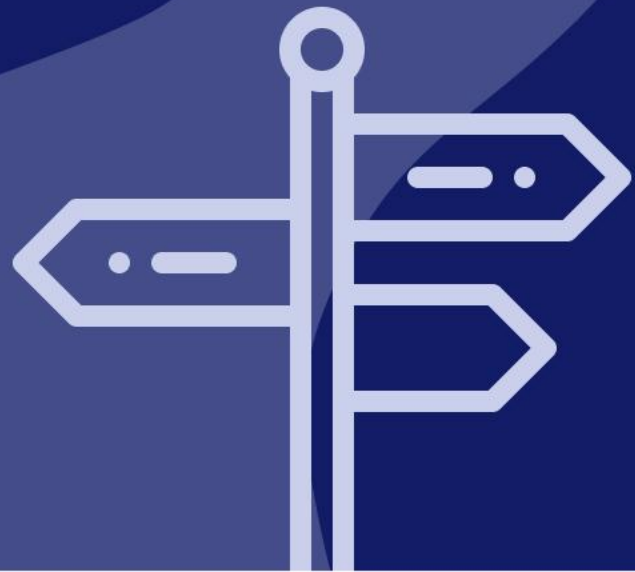
In addition, we do not make any representations or warranties, express or implied, with regard to the information included in this Presentation of any other related document or information disclosed or furnished in connection thereto, including, without limitation, with respect to the accuracy, reliability, completeness or its sufficiency for any particular purpose. To the maximum extent permitted by law none of Dotz Nano, its subsidiaries, or its respective officers, employees, agents or consultants nor any other person accepts liability, including without limitation, any liability arising out of negligence, for any loss arising from the use of the information.

This presentation does not constitute an offer to issue or sell securities or other financial products in any jurisdiction. The distribution of this presentation outside Australia may be restricted by law. Any recipient of this presentation outside Australia must seek advice on and observe any such restrictions. This presentation may not be reproduced or published, in whole or in part, for any purpose without the prior written permission of Dotz Nano.

Dotz.

If you're a **PARTNER** looking to co-develop DAC or point-source capture solutions—**LET'S COLLABORATE**.

If you're an **INVESTOR** ready to scale transformative carbon capture solutions—**JOIN US**.



Join our Journey.