



Advancing Material Science. Shaping Industry and Climate.

Sorbent innovation. Industrial solutions.
A cleaner, more efficient future.

Dotz Nano Limited

ASX: DTZ | OTC: DTZNY / DTZZF

Investor Presentation | July 2026 | info@dotz.tech

A large graphic consisting of many concentric circles, creating a ripple effect. The circles are thin and light blue, centered on the right side of the slide.

Innovating today
for a sustainable
tomorrow.

One platform. Two engines of decarbonisation.

WHO WE ARE

A science- and engineering company reducing carbon across industry — by capturing CO₂ and by preventing it with energy efficiency solutions.

The logo for Dotz.EARTH features the word "Dotz" in a dark blue, sans-serif font, followed by ".EARTH" in a lighter blue, sans-serif font. The letter "o" in "Dotz" is replaced by a circular icon composed of many small dots.

Next-gen sorbent & carbon capture platform

Proprietary AMP sorbents engineered for the cost, efficiency and durability demands of industrial carbon capture. Commercial traction underway.

The logo for Dotz.Energy features the word "Dotz" in a dark blue, sans-serif font, followed by ".Energy" in a lighter blue, sans-serif font. The letter "o" in "Dotz" is replaced by a circular icon composed of many small dots. A green circular line with a dot at its end is positioned around the "Energy" part of the logo.

Energy optimisation & decarbonisation

Cloud-enabled heat exchange, storage and capture that cuts energy use and carbon in hospitality and commercial property. Owned and operated in-house.

Dotz Earth | Sorbents Market Expected Growth



\$600m

Estimated DAC sorbent market in 2026



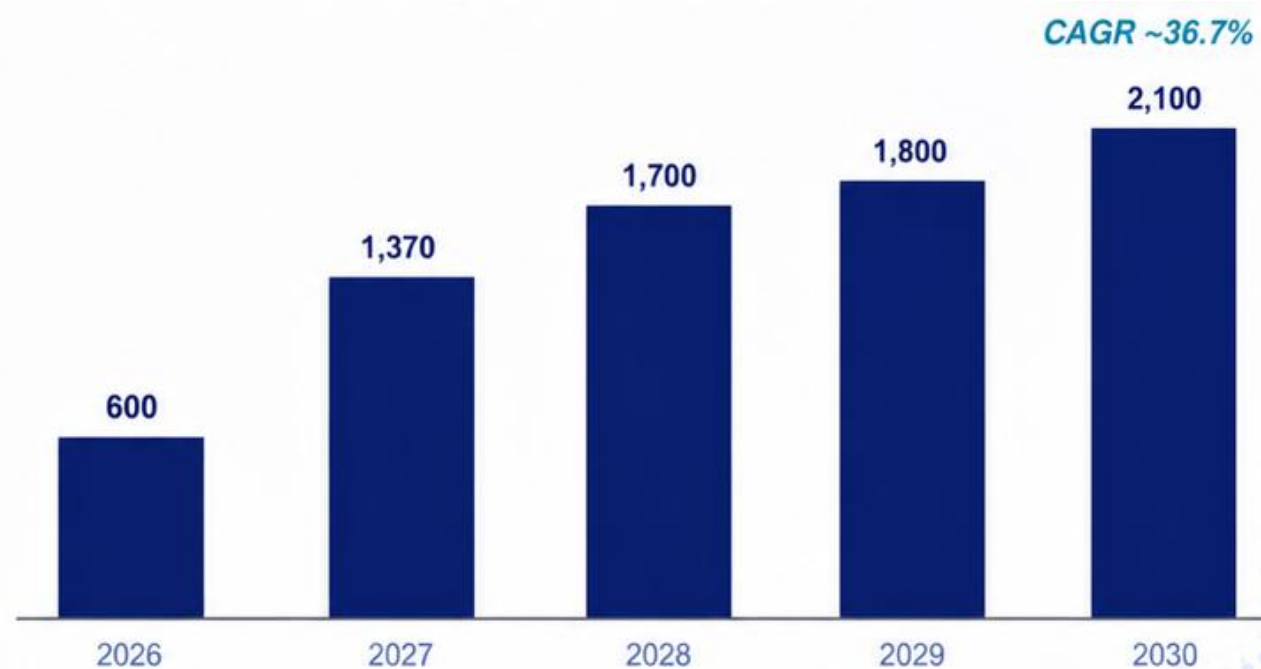
3.5x

Market growth from 2026 to 2030



\$2.1bn

Estimated sorbent market by 2030



Management estimate based on IEA CCUS projects database (2025). Key assumptions: 3,000-cycle durability, 3-hour cycle, low-temp TVSA, 1 tpa DAC unit, \$50k/tonne sorbent.

High-performance CO₂ capture sorbent materials.

DIFFERENTIATED PERFORMANCE¹

>2×

CO₂ capture capacity

>3×

Sorbent cyclability

Low°C

Low-temperature regeneration



Independently verified by end-users

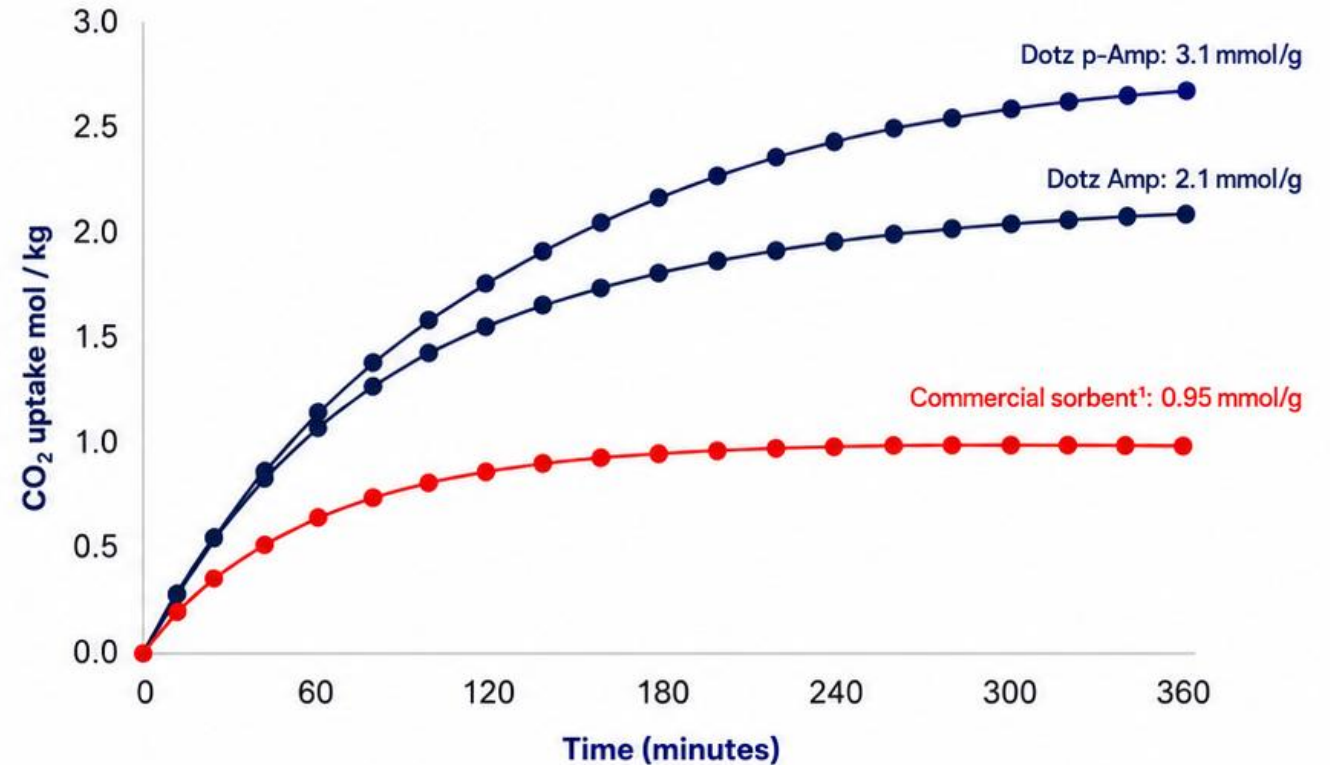
Results consistently outperform commercial benchmarks across all applications



Patent-protected IP

Patents filed in US, EU and Asia.
Proprietary formulation and production methods protected as trade secrets

CO₂ adsorption capacity at 400ppm, 25°C 50%RH



¹ Internal analysis and independent 3rd party validation testing; Commercial DAC sorbent: Lewatit VPOC 1065 amine grafted

Dotz Earth | Expanding carbon utility pathways



Dotz Earth Sorbent Platform

Designed for carbon capture, recovery and broader downstream utility uses



DAC

Atmospheric CO₂ capture



eSAF

Supports sustainable fuel pathways



Food Industry

Potential utility in food and beverage applications



Agriculture

Potential utility across agriculture and greenhouse applications

Commercial pipeline / partner progress

Commercial pipeline / partner progress



Introducing



Developed through the collaboration of our chemists, engineers and commercial team to help large institutions reduce energy use, lower emissions and unlock carbon value.

From materials science and chemistry to engineered energy decarbonisation solutions.

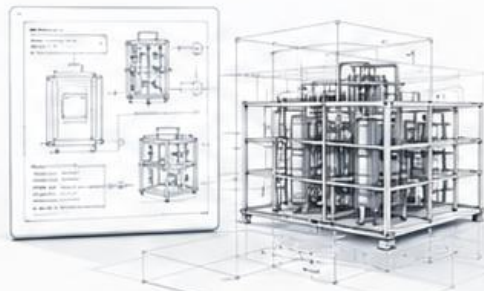
1

Materials science
& chemistry



2

Engineering &
product development



3

Dotz Energy
platform



4

Measurable decarbonisation
impact



Lower
energy use



Lower
emissions



Carbon capture /
carbon value

THE CHALLENGE

High Energy Consumption and Carbon Emissions.

Hotels, hospitals, nursing homes, and large institutions require hot water around the clock.

This relentless demand drives high energy use, heavy carbon emissions, and rising costs.



Legacy boilers burning diesel, mazut or LPG create **waste**, **high costs** and **CO₂ emissions**.



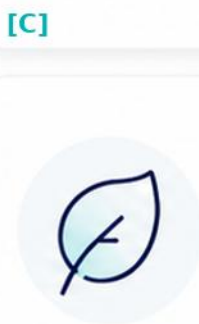
\$200–400K

Annual hot-water cost per large hotel



30–40%

Of hotel energy used for water heating



80%

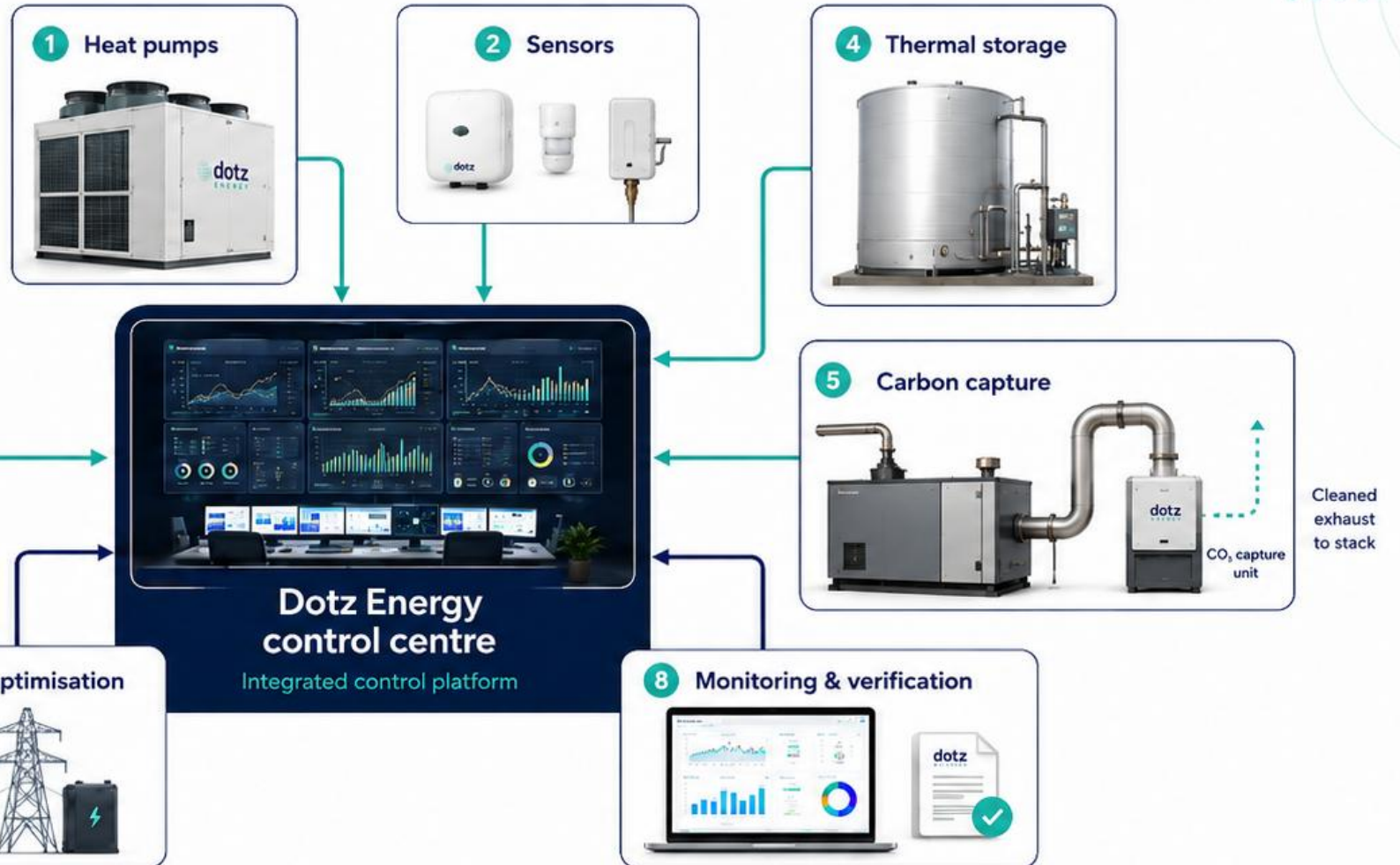
Potential CO₂ reduction with renewable heat



Basis / source note: Internal Dotz Energy modelling for 100 GJ useful heat; boiler efficiency/COP/grid-intensity sensitivity.
External references: IEA heat-pump emissions guidance; UK Warm Homes Plan efficiency statement; U.S. EIA & EPA emission factors. Site-dependent; not a guarantee.

Our Solution

An integrated energy-efficiency and decarbonisation platform for large institutions



— Data & control
— Insights & optimisation



Lower energy use



Lower operating costs



Reduced emissions



Continuous optimisation

The Impact

Energy efficiency that supports decarbonisation



60–80%^[1]
lower energy use



Up to
80%^[2]
lower carbon
emissions



Operational savings
Reduce costs and
improve efficiency



Lower emissions
Cut carbon and support
decarbonisation goals



Smarter energy management
Better control
and optimisation

Built for complex energy users



Hotels
Guest comfort &
hot water



Hospitals
24/7 critical
operations



Nursing homes
Reliable heating
demand



**Large residential
complexes**
Central plant
efficiency



**Central town
heating**
Efficient heat
distribution

Basis / source: Dotz Energy internal modelling for equivalent useful hot-water demand, comparing legacy diesel/mazut boiler systems with heat-pump-based thermal systems. Assumptions include boiler efficiency and heat-pump COP sensitivity. Public reference points: IEA, UK Government Warm Homes Plan, U.S. EIA CO₂ emissions coefficients, and U.S. EPA GHG emission-factor methodology. Outcomes are site-dependent and are potential, not guaranteed.

Indicative only

Business Model

Shared savings, fully funded and performance-based.

Dotz Energy funds the system, installation, monitoring and optimisation. Customers share only in verified savings while benefiting from lower energy use and lower carbon emissions.



Performance-based, shared savings

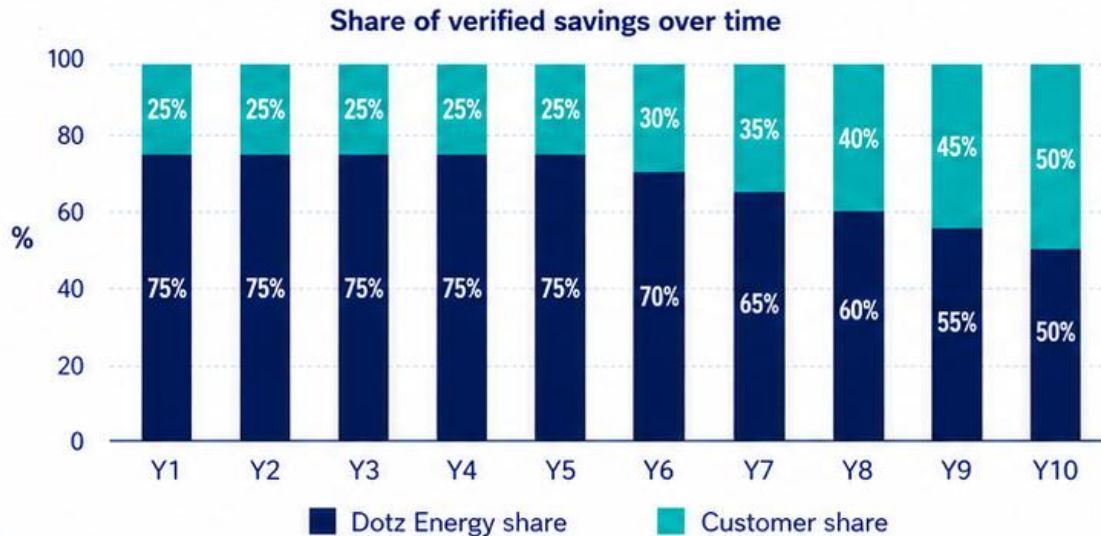
Savings are measured and verified. Shared transparently over time.



Dotz Energy



Customer



Dotz Energy share

75%

for the first 5 years,
then cascading down
5% per year to a
50/50 split.



Deposit fee — guaranteed return.

A one-time deposit fee is required to start.

Dotz Energy guarantees first-year savings to be at least equal to the deposit fee.



Impact for customers



60–80%
lower energy use



Up to **80%**
lower carbon emissions



Operational savings —
Reduce costs and improve efficiency.



Lower emissions —
Support decarbonisation goals.



Smarter energy management —
Better control and optimisation.



Aligned outcomes. Shared success.

We succeed when you do. **Lower energy. Lower carbon. Lower cost.**

Customer Energy-Savings Pool

Modelled estimate

Illustrative customer energy savings pool through system electrification with the Dotz Energy Platform.

Illustrative Base Case

A\$38.3B / year

Estimated customer-side cost reduction opportunity derived from third-party energy data and Dotz Energy model assumptions.

Technically Eligible TAM

910 TWh

Base case thermal pool

Illustrative Avoided Operational CO₂

91 MtCO₂

Annual net saving (base case)

Illustrative Scenario Range (Sensitivity Analysis)

Scenario	Thermal TAM (TWh/yr)	Delivered Fuel Price	Efficiency Savings	Customer Savings Pool
Low	302	A\$10 / GJ	45%	A\$4.9 Billion
Base	910	A\$18 / GJ	65%	A\$38.3 Billion
High	1,919	A\$25 / GJ	75%	A\$129.5 Billion



Modelled using thermal energy volumes rather than building counts.



Base case regional split is illustrative and based on energy proxies.

- Advanced Economies: 55%
- EMDEs: 45%



Important qualifications

- Figures are Dotz Energy estimates based on third-party public data and stated assumptions.
- Customer savings pool is not company revenue and should not be interpreted as a revenue forecast.
- Outputs are sensitive to delivered fuel prices, technical eligibility, remaining fossil share, and efficiency assumptions.
- Actual outcomes vary by site, geography, tariffs, grid emissions, and engineering constraints.



Internal methodology summary



IEA: The Future of Heat Pumps



US EIA: CBECS Lodging & Healthcare profiles



DCCEEW: Commercial Buildings Baseline

Disclaimer and important notice

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Join our journey

Thank you to our investors for your confidence and continued support.



We value ongoing communication with investors as Dotz Earth begins to commercialize and Dotz Energy moves to execution.

Thank you for your support.



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CLEANER ENERGY • SMARTER SOLUTIONS • STRONGER FUTURE

ENERGISING COMMUNITIES.
POWERING **PROGRESS.**