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ACN 109 200 900

AUSTRALIAN SECURITIES EXCHANGE ANNOUNCEMENT

25 November 2026

Eden Innovations Presents CNT Technology and EdenCrete® at Invitation-Only International CO_2 Capture and Conversion Conference

HIGHLIGHTS

- **Eden Innovations' Chief Scientist and Managing Director, Dr Allan Godsk Larsen, was invited to attend the 36th Novo Nordisk Foundation Science Cluster Conference, "Dream Reactions of CO_2: Capture, Conversion and Beyond", held 16–20 November 2026 at Favrholm Campus, Hillerød, Denmark.**
- **Attendance was by invitation only. Approximately 190 researchers, innovators and industry representatives from around 20 countries attended, with speakers from leading institutions including Stanford University, the University of Oxford and ETH Zurich.**
- **Dr Larsen presented Eden's carbon nanotube (CNT) technology, EdenCrete® and EdenPlast® in a poster titled "Carbon Nanomaterials for a Lower-Carbon Building Environment – No Compromises Allowed (or Needed)", within the conference theme "From Innovation to Implementation: High-TRL Carbon Solutions – showcasing mature technologies".**
- **The conference confirmed a strong international focus on reducing and capturing CO_2 emissions, and on converting captured CO_2 into carbon products that can be used in innovative ways – for example in the construction industry.**
- **Eden's technologies fit closely into this value chain: EdenCrete® already provides a proven, commercial route for sequestering carbon in concrete for the long term, while the CNTs enable further CO_2 reductions by allowing reduced cement use.**

DETAILS

Eden Innovations Ltd ("Eden") (ASX: EDE) is pleased to advise that its Chief Scientist and Managing Director, Dr Allan Godsk Larsen, attended the "Dream Reactions of CO_2" conference by invitation and presented Eden's CNT technology to an international audience of leading researchers and innovators in CO_2 capture and conversion.

About the Conference

The conference forms part of the Novo Nordisk Foundation's Science Cluster Conferences, an invitation-only series of international conferences for leading researchers and innovators.

The 2026 conference was hosted by the Foundation's CO_2 Research Center (CORC), an international research centre established in 2022 to advance the science and technology of CO_2 capture and conversion.

Over five days, sessions covered carbon capture, the conversion of CO_2, creating value from CO_2, the role of policy, artificial intelligence in carbon technologies, and the move from innovation to implementation. Participants were selected by the conference's Scientific Committee, and approximately 190 researchers, innovators and industry representatives from around 20 countries attended. Invited speakers and session chairs came from leading institutions including Stanford University, the University of Oxford, ETH Zurich, the California Institute of Technology, Columbia University and the Technical University of Denmark.

Eden's Poster

Dr Larsen's poster showed how carbon nanomaterials produced by methane pyrolysis – without CO_2 emission – can bridge carbon capture and utilisation research with practical, scalable materials engineering. Key points presented included: CNT production, CNT integration, the durability of EdenCrete® concrete, and lower-cost, lower-CO_2 concrete.

The poster is attached to this announcement (see Appendix).

Where Eden's Technology Fits

A recurring question at the conference was how carbon products made from captured CO_2 can be used in value-adding ways at industrial scale – for example in construction, one of the largest industrial sources of CO_2 emissions.

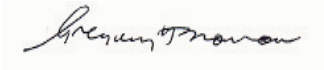
Eden has already solved this carbon-use step. Through EdenCrete®, carbon in the form of CNTs is integrated into concrete, where it is sequestered for the long service life of the structure. The CNTs also strengthen and densify the concrete, allowing reduced cement use and extended durability. Carbon products derived from captured CO_2 and used in this way would therefore deliver a double benefit: the CO_2 removed at the point of capture, and the further CO_2 avoided through reduced cement use.

Eden currently produces its CNTs from methane without CO_2 emission. Its established know-how in dispersing CNTs and integrating them into concrete and polymers is, however, directly relevant to carbon products derived from captured CO_2, positioning Eden as a potential partner for groups developing CO_2-to-carbon conversion routes.

CONCLUSION

Eden's invitation to the conference reflects the Company's growing recognition among leading international research groups in carbon capture and utilisation. With EdenCrete® in commercial use, and long-term durability demonstrated in the field, Eden offers a mature, high technology-readiness-level (TRL) route to store carbon permanently in the built environment while lowering the CO_2 footprint of concrete.

Eden will continue to evaluate opportunities for collaboration with industry and academic groups arising from the conference as the Company advances its global commercialisation activities.



Gregory H. Solomon
Executive Chairman

This announcement was authorised by the above signatory.

For further information please contact the Company on +61 8 9282 5889.

Appendix: Eden's poster presented at the conference

Carbon Nanotubes at Ton Scale:

Tougher, Stronger, Lower-Cost and Lower-CO_2 Concrete

Allan Godsk Larsen, M.Sc., Ph.D. | Chief Scientist, Managing Director | Eden Innovations Ltd (EDE:ASX)

eden Innovations that work.™

1 Eden's CNT production: from natural gas to carbon nanotubes

$$x\ CH_{4(g)} \rightarrow (x-1)\ CH_{4(g)} + 2\ H_{2(g)} + CNT_{(s)}$$

- Started as H_2 production – now CNT is the target and H_2 the by-product
- Gas process, scalable to ton-scale and low-cost
- Proprietary integration processes developed for concrete and polymers

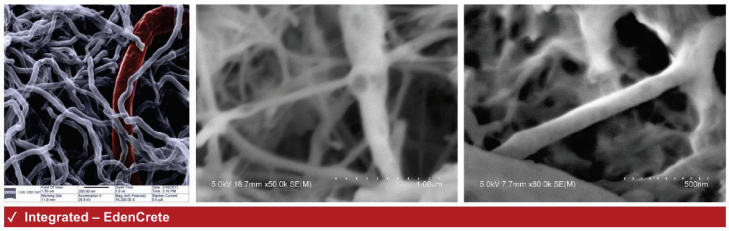
2 CNT only helps when it is integrated in the matrix

CNT strength, toughness and conductivity only transfer to the material when the tubes are integrated in the matrix – polymer or cement paste. **Agglomerated CNT does nothing; dispersed CNT builds a scaffold for C-S-H crystal growth.**



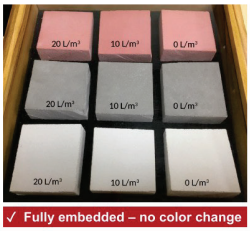
X Dry CNT powder – not integrated

Cement paste with CNT powder: agglomerated even after sonication (SEM, KRRI–KU–HYU)



✓ Integrated – EdenCrete

CNT scaffold with C-S-H growing on the tubes (He-ion: Deakin Univ.; SEM: Hanyang Univ.)



✓ Fully embedded – no color change

0, 10, 20 L/m³ EdenCrete: the CNTs hide inside the crystals

3 Solved: stable CNT dispersions – shipped and trialed worldwide



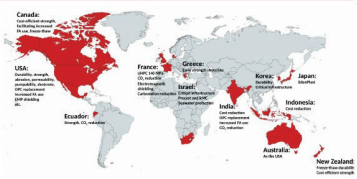
CNT is carbon – like oil, it does not mix with water

Dispersing CNT can be as difficult as making it



Stable aqueous and non-aqueous dispersions: 12+ months shelf life

Shipped in totes and tankers to plants worldwide



4 Durability: 5 years of mountain-highway wear on Vail Pass

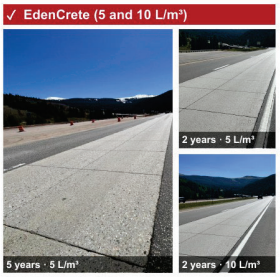
Vail Pass paving project (I-70, Colorado): reference vs EdenCrete vs 5.5% silica fume on the same road, photographed after 2 and 5 years in service.

Reference



Cracked slabs and patch repairs

✓ EdenCrete (5 and 10 L/m³)



Slabs intact – no visible cracking

Silica fume 5.5%



Cracking and spalling

What EdenCrete does for concrete

- **Compressive strength** – Higher strength – can allow less cement
- **Permeability** – Less water ingress: ASR, sulfate, corrosion, freeze–thaw
- **Flexural strength** – Better bending resistance in decks and slabs
- **Shrinkage cracking** – Less shrinkage and cracking
- **Split-tensile strength** – Less cracking in reinforced concrete
- **Finishing** – Paste comes up easily – faster finishing
- **Abrasion resistance** – Surface withstands wear and impact
- **Rheology** – Easier to pump and place, no water added on site
- **De-icer scaling** – Resists scaling from de-icing salts
- **Life-cycle cost** – Longer time before repair or replacement

5 Lower CO_2 – for free: more strength per kg of cement

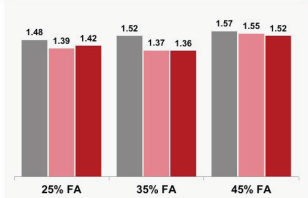
Ready-mix lab trial (Georgia, USA): 380 kg/m³ binder with 25, 35 and 45% fly ash, with and without EdenCrete Pz7. **With Pz7 at 35% FA, a 40 MPa mix costs ~8% less and emits 19–23% less CO_2 than the 25% FA reference – no loss of performance.**

Reference | Pz7 0.31 L/m³ | Pz7 0.54 L/m³

28-day compressive strength (MPa)



Cost of strength (USD/m³ per MPa)



40 MPa mix: cost (USD/m³)



40 MPa mix: CO_2 (kg/m³)



Measured: 28-day strength and cost of strength. Theoretical 40 MPa mixes: cement, fly ash and Pz7 scaled linearly with strength. CO_2 counts cement and Pz7 only; fly ash CO_2 footprint set to 0. Prices: OPC $193/t, fly ash $77/t, Pz7 $12.7/L. Lab trials, Doraville GA, June 2022.

6 One CNT platform – more applications

EdenPlast: 0 to 40% CNT in polymers

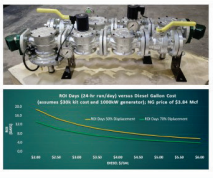




CNT concentration: 0 to 40%

- Final product: 0.1 to 5%+ CNT
- Masterbatch: up to 40% CNT
- Tensile typically +20%
- Modulus typically +50%
- Patented
- Scalable
- All in-house – Eden's own CNT

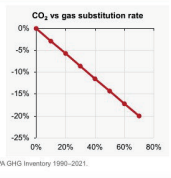
OptiBlend: Eden started as a gas company – the value of the gas makes CNT production cost-free



Eden's aim: H_2 from CH_4

- Initial aim: Hythane® (H_2 + CH_4)
- Solid carbon instead of CO_2
- CH_4 replaces diesel up to 70%
- Hythane® even more!
- Fast ROI – no drawbacks
- CO_2 reduction for free
- 800 kits sold worldwide

CH_4	kg CO_2/MBTU	vs diesel
0%	74.14	0.0%
10%	72.02	-2.9%
20%	69.89	-5.7%
30%	67.77	-8.6%
40%	65.65	-11.5%
50%	63.53	-14.3%
60%	61.40	-17.2%
70%	59.28	-20.0%



Equal energy output. Carbon factors: US EPA GHG Inventory 1990–2021.

Durability is sustainability

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