



AGM Presentation

22 November 2024

ASX: ZEO
www.zeotech.com.au



Disclaimer

These Presentation Materials are for information purposes only. They do not comprise a prospectus, product disclosure statement, or other offering document under Australian law (and will not be lodged with the Australian Securities and Investments Commission) or any other law.

The Presentation Materials also do not constitute or form part of any invitation, offer for sale or subscription or any solicitation for any offer to buy or subscribe for any securities, nor shall they or any part of them form the basis of or be relied upon in connection therewith or act as any inducement to enter into any contract or commitment with respect to securities. In particular, these Presentation Materials do not constitute an offer to sell or a solicitation to buy securities in the United States of America.

The information in this presentation is published to inform you about Zeotech Limited ("Zeotech" or the "Company") and its activities based on information available to it as of the date of this presentation. Some statements in this presentation regarding estimates or future events are forward-looking statements. They involve risks and uncertainties that could cause actual results to differ from estimated results. All reasonable efforts have been made to provide accurate information, but we do not warrant or represent its accuracy, and we reserve the right to make changes to it at any time without notice. Hence, no representation is made as to the accuracy, completeness or reliability of the information.

In addition, neither Zeotech nor any of its subsidiaries, directors, employees, shareholders nor any other person shall have liability whatsoever to any person for any loss, including without limitation from any fault or negligence arising from this presentation or any information supplied in connection with it.

Zeotech gives no warranty or representation as to its future performance or any future matter. Zeotech is not obliged to update this presentation after its tabling, even if matters change materially.


ASX Listing Rule 5.23

The information in this presentation relating to exploration results for the Toondoon Project is extracted from the following announcements entitled 'ZEO Acquires High-Grade Kaolin Project within Approved ML' released to the ASX on 23 August 2021, 'Notice of General Meeting/Proxy Form (Part 2 of 2) Ausrocks Mineral Estimates Report' released to the ASX on 27 July 2022 and 'Land Purchase Agreements signed Accelerate Toondoon Project' released on to the ASX on 8 December 2022, which are all available on the Company's website www.zeotech.com.au


The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements, and that all material assumptions and technical parameters underpinning the estimates in the original market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the competent person's findings are presented have not been materially modified from the original market announcements.




Corporate Snapshot




\$105.5m
Market capitalisation



\$3.4m
Cash at bank¹
(30 Sep 2024)



\$0.057
Share price



1.85Bn
Shares on issue²

Board & Management

Sylvia Tulloch
Non-Executive Chair

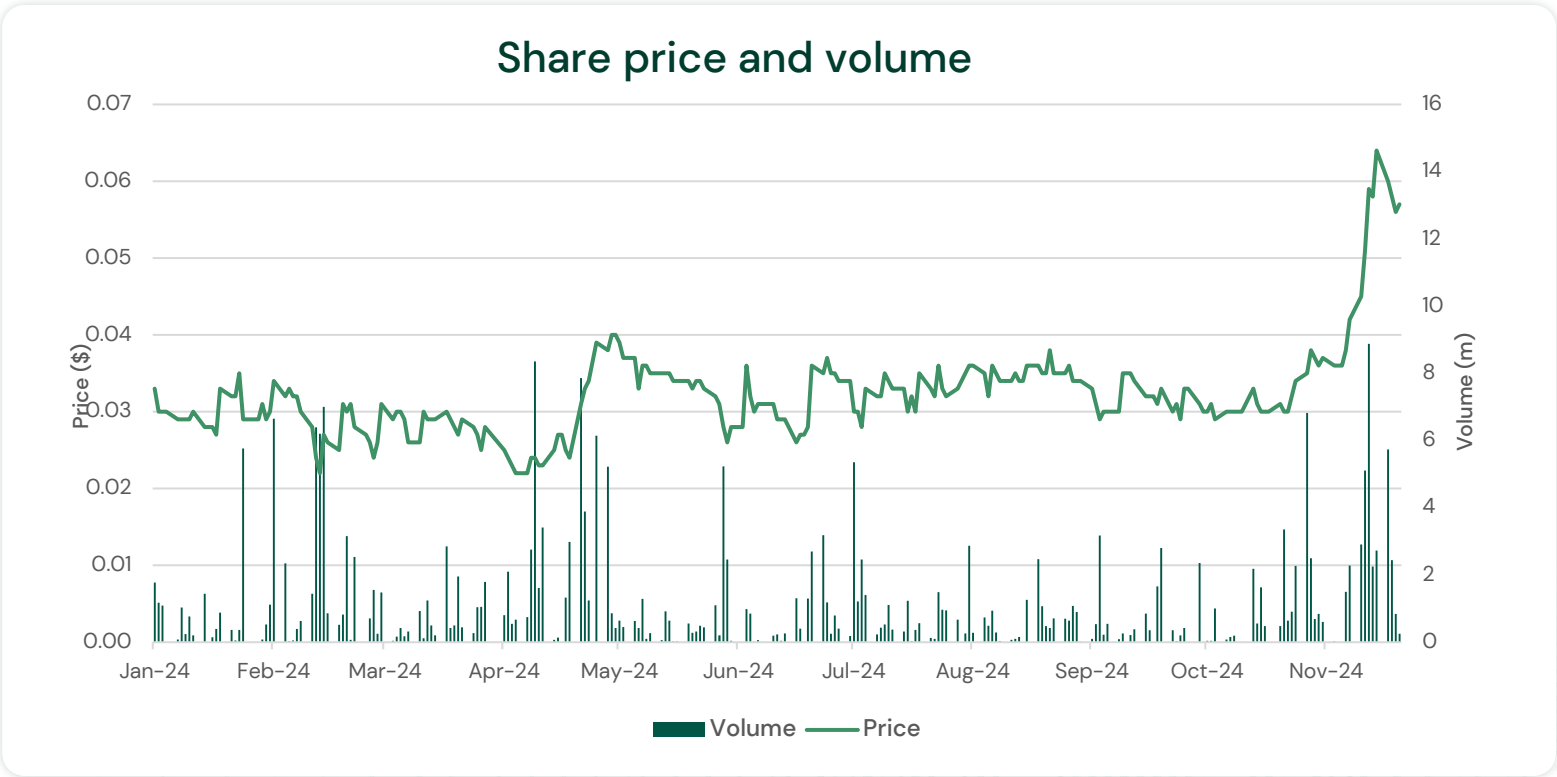
Peter Zardo
Managing Director

Rob Downey
Non-Executive Director

James Marsh
Chief Executive Officer

Scott Burkhart
Chief Operating Officer

Dr. John Vogrin
Head of Projects, R&D



Technical Partners



Industry Associations

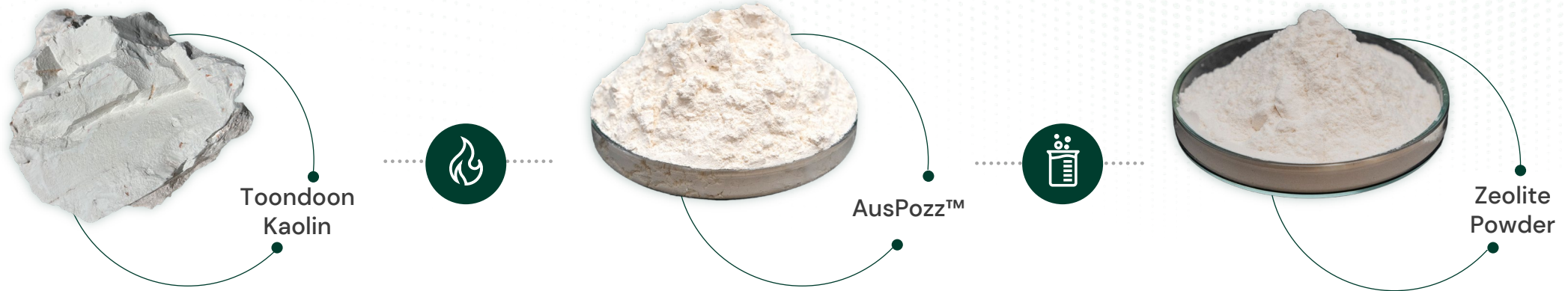


(1) Includes net proceeds from Placement – 14/10/2024 “Successful Placement of \$1.82m to Advance Company Projects” and net proceeds from R&D refund – 21/10/2024 “Zeotech Receives \$905k R&D Incentive Payment”

(2) Includes Placement shares and escrowed employee incentive shares

What are Zeotech Minerals?

Industrial minerals for a cleaner world



AusPozz™ High Reactivity Metakaolin (HRM)

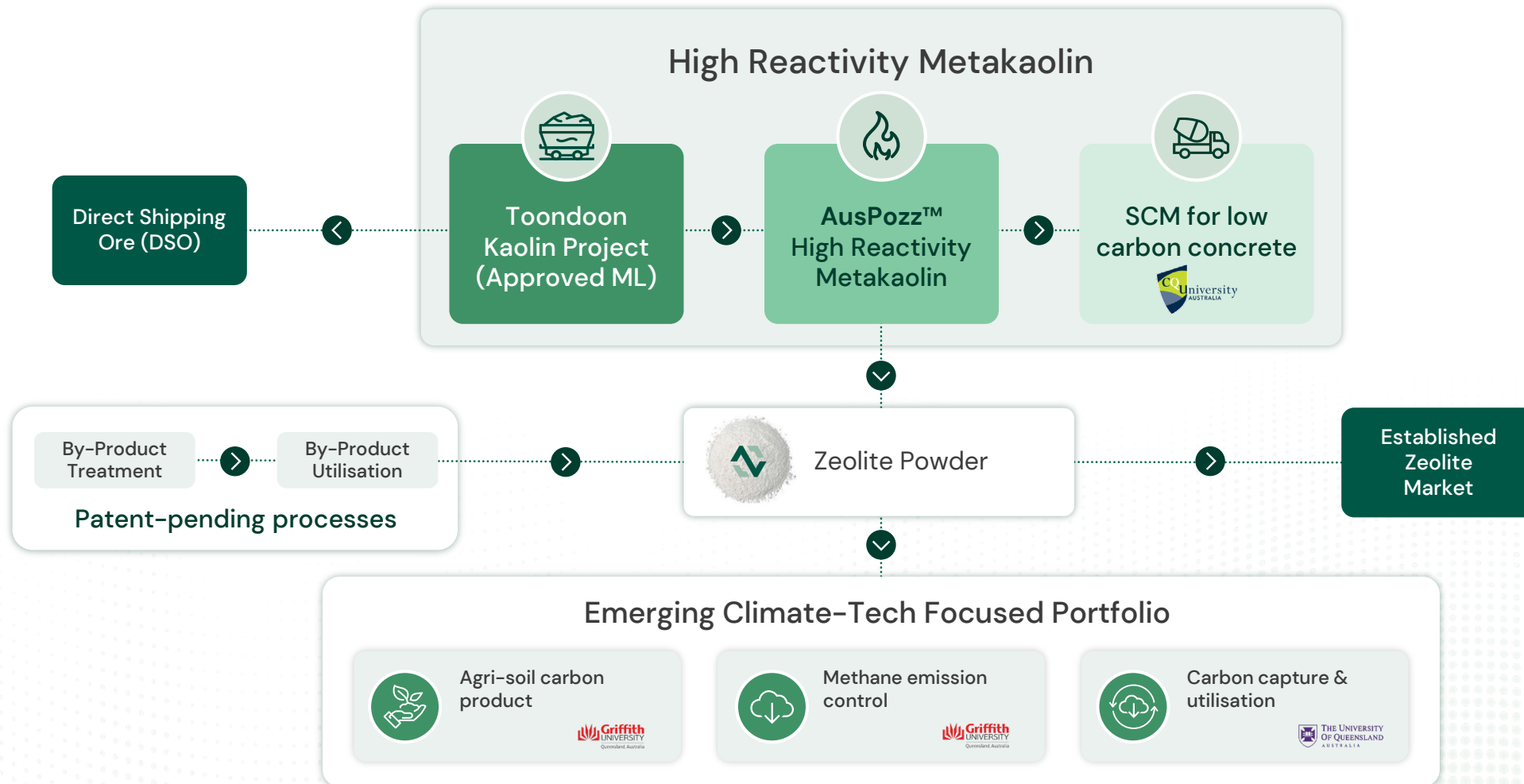
- Manufactured Pozzolan – the secret of 2000 year old Roman concrete
- Produced by heating pure kaolin to about 750°C
- It can partially replace Ordinary Portland Cement (OPC) and other supplementary cementitious materials (SCM)
- Currently being used to achieve carbon reduction of up to 40%¹
- AusPozz™ HRM is a fully validated product²

Manufactured Zeolite

- Manufactured zeolites are aluminosilicate minerals with a sponge-like structure (framework) with specific pore sizes
- Zeotech has patented, patent-pending and trade-secret process technology for manufacturing zeolites from metakaolin.
- Acting like a magnet, their tiny pore sizes make them useful as adsorbents, catalysts and ultrafine filters.
- Used in laundry detergents, air purification, water treatment, and animal health, alongside emerging opportunities for methane emissions control and agri-soil products.

Integrated Mineral Processing Tech Company

Advancing 'shovel ready' high-grade kaolin resources and proprietary IP to drive decarbonisation



Toondoon Kaolin Project

One of Australia's
highest-grade raw ore
kaolin resources held
under an approved
Mining Lease



Achievements 2024

- Test pit completed at the Company's approved mining lease (ML 80126) within the Toondoon kaolin project
- Test pit yielded 35 tonnes of kaolin that is being milled and bagged for metakaolin production, zeolite manufacturing and DSO marketing initiatives
- Consultants engaged for Preliminary Feasibility Study ("PFS")
- Mine plan work well advanced
- Drill campaign planning underway to support PFS and mine plan work, alongside increasing and upgrading the current resource



Outlook 2025

- Further DSO marketing, aimed at higher value segments, such as cosmetics
- Complete the kaolin mining component of the PFS for metakaolin production
- Complete mine plan, contractor engagement, drill campaign and final approvals
- Secure off-takes for the Company's DSO kaolin products



Toondoon kaolin

Metakaolin

Supplementary cementitious material to help decarbonise the concrete and cement industry

Manufactured zeolite feedstock



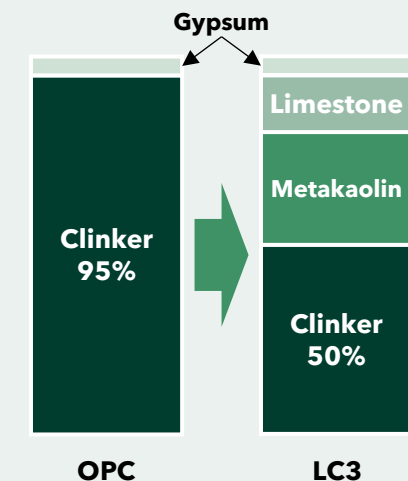
Achievements 2024

- Central Queensland University supplementary cementitious material (“SCM”) study completed – confirms that a high reactivity metakaolin (“HRM”) can be produced from a range of the Company’s Toondoon kaolin profiles that exceeds Australian and ASTM International Standards for a manufactured pozzolan¹
- Holcim Australia MoU executed, and large-scale metakaolin sample production is underway. First sample batches delivered for concrete testing.
- Commenced the metakaolin production component of the PFS and FEED study activities, further supported by the QLD Govt METS Collaboration Grant to part-fund the feasibility study



Outlook 2025

- Complete the metakaolin production component of PFS and FEED studies
- Secure off-takes for the Company’s AusPozz™ product
- Advance to Definitive Feasibility Study (“DFS”) whilst finalising plant & equipment selection and HRM facility location



LC3 saves up to 40% of CO₂ compared to Ordinary Portland Cement (OPC)²

(1) ASX Announcement 22/04/2024 – High Reactivity Metakaolin to Advance Low Carbon Cement (2) Source: Limestone Calcined Clay Cement (LC3)

Landfill Methane Control

Developing fugitive methane control solution, capable of contributing to climate change mitigation



Achievements 2024

- Methane Emissions Control Program advances to in-field validation of zeoteCH₄® solution utilising materials sourced from a Cleanaway Waste Management landfill – three field simulation configurations commissioned at Griffith University
- ‘Zeolites for Methane Control’ provisional patent application lodged with the Australian Patent Office to establish potential novel and inventive steps associated with the Company’s methane control solution
- In-field trials progressing well, bio-methane production levels boosted by warmer spring conditions



Outlook 2025

- Decision to advance the methane program to onsite landfill trials, based on evaluating results from Griffith’s field trials
- Investigate the opportunity to apply the Company’s methane control technology in other industry sectors
- Commence methane abatement carbon credit methodology development



Zeolite Product

Agri-soil products to improve fertiliser economics and enhance soil carbon sequestration

Zeolites for animal supplements



Achievements 2024

- Agri-soil program completed – results confirm zeolites have considerable potential to improve soil carbon and nutrient efficiency in agricultural soils, with added benefits such as improved water retention and buffering against soil acidification
- Lodged 'Method and Use of Zeolites' patent application associated with carbon sequestration in soils utilising the Company's zeolite-based products
- MOU executed with Protekta North America, establishing a framework for a potential manufactured zeolite offtake agreement
- 500kg zeolite product sample delivered to Protekta for testing with their X-Zelit product, used to prevent milk fever in dairy cows



Outlook 2025

- Continue fertiliser industry attraction strategy aimed at securing an in-field trial partner to continue product development
- Obtain the first set of trial data from Protekta and, if acceptable, progress off-take negotiations
- Commission scaled-up zeolite pilot plant and increase zeolite production at the Company's lab facility at BTP



Carbon Capture & Utilisation

Working with academic partners to advance zeolite-based technology for capturing & utilising greenhouse gas emissions



Achievements 2024

- Accepted as a Partner Organisation within ARC Centre of Excellence for Green Electrochemical Transformation of Carbon Dioxide (“GETCO2”).
- Together with the Advance Queensland Industry Research Fellowship (“AQIRF”) for zeolite-based membranes for GHG capture, GETCO2 will aim to advance zeolite membrane technology for direct air capture of carbon dioxide.
- ARC Industrial Transformation Training Centre for the Global Hydrogen Economy (“GlobH2E”) successfully used the Company’s zeolite technology to sustainably produce synthetic fuels from a feed of carbon dioxide and hydrogen gas.



Outlook 2025

- GETCO2 is aiming to fabricate and test mixed-matrix membranes at lab scale.
- Testing will validate computer simulations, that established the Company’s optimal zeolite product for separating carbon dioxide from flue gas.
- GLOBH2E will continue optimisation work to improve metal-doped catalyst performance and carry out long-term tests to produce larger volumes of fuels.



Investment Highlights

First Mover Advantage



Becoming Australia's first large-scale metakaolin producer. Simple and cost-effective process to leverage Toondoon's kaolin as a competitive SCM for the concrete industry

Climate-Tech Focus



Advancing research and investment in climate tech associated with low-carbon cement and concrete, soil carbon sequestration, and fugitive methane emissions

Large-Scale Resource



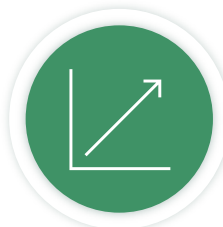
High-purity kaolin³ proven to produce high reactivity metakaolin (HRM), contained within only 5% of the tenement footprint

Near Term



Test pit completed, ready to mine, exceptionally high-grade kaolin resource, held under approved Mining Lease on Company freehold land. Simple HRM circuit with proven conventional equipment

Large & Growing Market



The global SCM market is forecast to reach c. US\$40 billion by 2030². SCMs are the most viable alternative to mitigate CO₂ emissions from the cement industry³

Collaboration



Metakaolin MoU with Holcim Aus a leading building materials company. Zeolite MoU with Protekta (US animal nutrition Co.) and collaborating with Cleanaway (Aus leader in waste management) on methane control

Near Term Value Drivers

Multiple catalysts pending across the Company's project portfolio

Toondoon Kaolin / Manufactured Zeolite

- ✓ Complete test pit to secure sufficient kaolin for commercial approvals and Manufactured Zeolite feedstock
- ✓ Engage mining engineer and consultants for final approvals and continue engagement with local Government to accelerate time to mining
- ✓ Produce sufficient AusPozz™ and manufactured zeolite for testing and commercial trials
- ✓ Ship 500kg zeolite sample to Protekta for testing and commercial trials
- Complete in-field methane control trials at Griffith University and move to operating landfill field trials (results warranting)
- Commission scaled-up manufactured zeolite pilot plant and increase zeolite production capacity
- Secure binding off-takes for kaolin DSO and/or manufactured zeolite products

AusPozz™ High Reactivity Metakaolin

- ✓ Commence life-cycle analysis to evaluate carbon benefit of AusPozz™ in cement and concrete
- ✓ Secure industry collaboration to progress low-carbon concrete pilot trials
- ✓ Continued engagement with State and Federal Government to advance low-emission technology funding support
- ✓ Conduct equipment scoping and product testing for HRM production
- Complete feasibility studies (PFS) and life-cycle analysis in Q2 2025 to advance commercial readiness
- Run live construction trials with AusPozz™
- Secure binding off-takes for AusPozz™



For Further Information

James Marsh
Chief Executive Officer

(+61) 7 3181 5523

james.marsh@zeotech.com.au

Peter Zardo
Managing Director

(+61) 7 3181 5523

peter@zeotech.com.au

Level 1, Brisbane Technology Park, 7 Clunies Ross Court,
Eight Mile Plains, Queensland 4113, Australia

www.zeotech.com.au