

23 October 2024

JAPANESE PATENT GRANTED FOR ZEOLITE PRODUCTION TECHNOLOGY

**Zeotech secures Japanese patent for impurity-free zeolite processing technology
Patent expands the commercial opportunity in the Japanese molecular sieve market**

Emerging mineral processing technology company Zeotech Limited (ASX: ZEO, "Zeotech" or "the Company") is pleased to announce that Japanese Patent No. 7571058 entitled 'synthesis of adsorption materials' ("Patent") has been issued by the Japan Patent Office.

The Patent relates to novel and proprietary mineral processing technology held by the Company for producing impurity-free synthetic zeolite from aluminosilicate feedstock, such as kaolin and process by-products. The University of Queensland developed and optimised the technology during a Pilot Program funded by the Company from February 2021 to November 2022.

Granting of the Japanese Patent represents a significant milestone for the Company since entering the national phase in October 2021¹, and is especially important because 80-85% of Japan's zeolite molecular sieve market, estimated at AU\$240 million per annum, is driven by domestic production² and patent protection could expand commercial opportunities by licensing the technology.

Japan represents approximately 7% of the global zeolite market³, and Zeotech continues to develop this market opportunity by pursuing Patent protection for its novel mineral processing technology in Australia, Canada, India, the Republic of Korea, and the United States of America.

Zeotech Head of Projects, Research & Development, Dr. John Vogrin, commented:

"On behalf of the Company, I would like to thank the technology's inventors, Associate Professor James Vaughan and Dr. Hong Peng from The University of Queensland, and all the team members who worked on the UQ Pilot Program.

Securing a Japanese patent for our impurity-free zeolite processing technology marks an important milestone for the Company. Japan is a large domestic manufacturer and consumer of manufactured zeolites in the Asia-Pacific region, and the protection of Zeotech's IP in this region represents a key commercial imperative."

This announcement has been approved by the Board.

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¹ ASX Announcement 11/10/2021 - Zeolite Technology Patent Application Enters National Phase

² Aranca Report Feb 2021 - Molecular Sieves (Zeolites) - Japan Market Assessment

³ Aranca Report Dec 2020 - Molecular Sieves (Zeolites) - Global Market Assessment

For further information, please contact:

James Marsh – Chief Executive Officer
james.marsh@zeotech.com.au
Tel: (+61) 7 3181 5523

Neville Bassett - Company Secretary
info@zeotech.com.au
Tel: (+61) 7 3181 5523

About Zeotech

Zeotech Limited (ASX: ZEO) is a team of dedicated people working together to build a future-focused company, leveraging wholly-owned high-grade kaolin resources to produce advanced materials for greenhouse gas (GHG) mitigation, such as zeolites for fugitive methane control and high-reactivity metakaolin (HRM) for the low-carbon concrete market.

Zeotech Limited - Social Media Policy

Zeotech Limited is committed to communicating with the investment community through all available channels. Whilst ASX remains the prime channel for market-sensitive news, investors and other interested parties are encouraged to follow Zeotech on Twitter ([@zeotech10](https://twitter.com/zeotech10)) and [LinkedIn](https://www.linkedin.com/company/zeotech).

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Forward-looking Statements

This release may contain certain forward-looking statements with respect to matters including but not limited to the financial condition, results of research and development, operations, and business of Zeotech, and certainty of the plans and objectives of Zeotech with respect to these items.

These forward-looking statements are not historical facts but rather are based on Zeotech current expectations, estimates and projections about the industry in which Zeotech operates, and its beliefs and assumptions.

Words such as "anticipates," "expects," "intends," "potential," "plans," "believes," "seeks," "estimates", "guidance," and similar expressions are intended to identify forward-looking statements and should be considered an at-risk statement.

Such statements are subject to certain risks and uncertainties, particularly those risks or uncertainties inherent in the process of developing technology and in the endeavour of building a business around such products and services.

These statements are not guarantees of future performance and are subject to known and unknown risks, uncertainties, and other factors, some of which are beyond Zeotech's control, are difficult to predict, and could cause actual results to differ materially from those expressed or forecasted in the forward-looking statements.

Zeotech cautions shareholders and prospective shareholders not to place undue reliance on these forward-looking statements, which reflect the view of Zeotech only as of the date of this release.



The forward-looking statements made in this announcement relate only to events as of the date on which the statements are made. Zeotech will not undertake any obligation to release publicly any revisions or updates to these forward-looking statements to reflect events, circumstances or unanticipated events occurring after the date of this announcement except as required by law or by any appropriate regulatory authority.

www.zeotech.com.au

Zeotech Limited | ASX: ZEO
ACN 137 984 297
Level 27, Santos Place, 32 Turbot Street, Brisbane QLD 4000
P: +61 7 3181 5523 | E: info@zeotech.com.au