



Metech International Limited

(Incorporated in the Republic of Singapore)
(Company Registration Number 199206445M)

PRESS RELEASE

Obtaining Exclusive Rights of a Patent to Use and Replicate PECVD Machine, And Technology to Produce High Thermal Conductivity Diamond and Aluminium Composite Materials

- *The composite material of diamond and aluminium is a low-k dielectric material that is used in semiconductor manufacturing*
- *Low-k dielectric material implementation is one of several strategies used to allow continued scaling of microelectronic devices, colloquially referred to as extending Moore's law.*
- *With its unique physical and electrical properties, there is growing interest in diamond for optical and thermal applications, and for new applications in semiconductor devices*
- *A lab-grown diamond is a diamond: chemically, physically and optically identical to a mined diamond, hence without the need for mining, lab-grown diamonds are a sustainable source of this important material*

Singapore, 27th January 2022 – SGX-listed **Metech International Limited** (“Metech” or the “Company”, and together with its subsidiaries, the “Group”), is pleased to announce that its joint venture company, Asian Eco Technology Pte. Ltd. (“AET”) (“亚洲易高生态科技有限公司”) has obtained exclusive rights of a patent to use and replicate the plasma enhanced chemical vapor deposition machine (the “PECVD Machine”) for producing low-k dielectric constant materials, and a type of production technology for manufacturing high thermal conductivity diamonds and aluminium composite materials. These materials are used in semiconductor manufacturing.

Semiconductors are all around us. Without them, the technology that we count on every day would not be possible. Semiconductors are an essential component of electronic devices, enabling advances in communications, computing, healthcare, military systems, transportation, clean energy, and countless other applications. Developments in semiconductor technology during the past 50 years have made electronic devices smaller, faster, and more reliable.

While more widely known to be used in jewellery, diamond possesses an impressive combination of chemical, physical and mechanical properties that are ideal for a wide array of industrial applications.

In addition, there is increasing commercialisation of scientific discoveries for the industrial applications of diamond in the next generation of semiconductors, aerospace, electric vehicles, medical equipment, among others.

Since the announcement on 24 September 2021 in relation to the establishment of a joint venture in the business of lab-grown diamonds between Asian Green Tech Pte. Ltd, a wholly-owned subsidiary of the Company, and X Diamond Capital Pte. Ltd., the Company has made various announcements detailing the development of this lab-grown diamond business.

The Company has obtained shareholders' approval for the diversification of its core business to include the manufacturing and distribution of lab-grown diamonds and such other related activities at an extraordinary general meeting held on 11 January 2022.



Ms. Samantha Hua, Deputy Chief Executive Officer and Executive Director of Metech, said: “With the exclusive rights of this patent, AET can leverage on the PECVD Machine and Technology for the purpose of lab-grown diamonds business and produce low-k dielectric material that is used in semiconductor manufacturing.

We will continue to share key milestones of our progress as we move ahead.”

-END-

About Metech International Limited

(Bloomberg: CENR:SP / Reuters: METE.SI / SGX Stock Code: V3M)

Listed on the Singapore Stock Exchange, Metech International Limited (“**Metech**”) has a multi-pronged business model that aligns with the macro trends in the area of environmental and sustainability.

While proactively evaluating new business opportunities to broaden its business model, Metech continues to build on its capabilities and extend the value propositions of its business units.

Issued on behalf of Metech International Limited by 8PR Asia Pte Ltd.

Media & Investor Contacts:



Mr. Alex TAN
Mobile: +65 9451 5252
Email: alex.tan@8prasia.com

*This announcement has been prepared by the Company and its contents have been reviewed by the Company’s Sponsor, RHT Capital Pte. Ltd. (the “**Sponsor**”) for compliance with the relevant rules of the Listing Manual Section B: Rules of Catalyst of the Singapore Exchange Securities Trading Limited (the “**SGX-ST**”). The Sponsor has not independently verified the contents of this announcement.*

This announcement has not been examined or approved by the SGX-ST and the SGX-ST assumes no responsibility for the contents of this announcement, including the correctness of any of the statements or opinions made or reports contained in this announcement.

The contact person for the Sponsor is Mr Khong Choun Mun, Registered Professional, RHT Capital Pte. Ltd. at 6 Raffles Quay, #24-02, Singapore 048580, sponsor@rhtgoc.com.