Metech International Limited

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

PRESS RELEASE

Collaboration with One of China's Largest Scientific Instrument Distributors, Hua Pu Technology, to Develop Industrial Applications for Semiconductors with Lab-Grown Diamonds

- ***A lab-grown diamond is a diamond: chemically, physically and optically identical to a mined diamond***
- ***With its unique physical and electrical properties, there are growing interest in diamond for optical and thermal applications, and for new applications in semiconductor devices***
- ***Lab-grown diamonds are considered as a sustainable source and perfect substitute of mined diamonds***
- ***AET has the technological capabilities to produce the highest grade of lab-grown diamonds***

Singapore, 31st October 2021 – **SGX-listed Metech International Limited** ("**Metech**" or the "**Company**", "**铭泰国际**" and together with its subsidiaries, the "**Group**"), is pleased to announce that its joint venture company, **Asian Eco Technology Pte. Ltd. ("AET" or "易高生态科技有限公司")** has entered into a collaboration with 深圳华普通用科技有限公司 ("**Hua Pu Technology**") to jointly research and develop industrial applications for semiconductor with lab-grown diamonds.

Established in 2004, Hua Pu Technology has grown to become one of the largest scientific instrument distributors in China and it also specialises in laboratory analysis and testing equipment as well as automation solutions. Hua Pu Technology's R&D activities are focused on automation, robotics, and artificial intelligence technologies to enhance its customers' production efficiency and improve quality standards.

Hua Pu Technology has also built up extensive working relationships with internationally renowned scientific instrument manufacturers. With a comprehensive marketing and after-sales nationwide network across China, Hua Pu Technology has established a diversified customer base comprising government agencies, education institutions, state-owned enterprises and private companies, among others.

For more information on Hua Pu Technology, please visit http://www.hpge.com.cn/

Diamond-based Semiconductors are Capable of a Greater Range and Energy Efficiency in their Applications

The diamond semiconductor has gained much attention in recent years as a promising material for the next-generation high-frequency high-power electronics that offers high thermal conductivity, excellent dielectric breakdown field, high carrier lifetime, high saturation carrier velocity due to its high optical phonon energy, and highest electron and hole mobilities(1).

Researchers have developed a novel diamond semiconductor whose output power is the highest ever reported for semiconductor devices. The diamond semiconductor devices are deemed to replace vacuum tubes, which are conventionally used in the very-high-frequency and very-high-power

(1) https://www.ad-na.com/magazine_en/archives/44

applications, leading to increased output power in Beyond-5G wireless base stations, communication satellites, television broadcasting stations, and radar[(1)].

Ms. Samantha Hua, Deputy Chief Executive Officer and Executive Director of Metech, said: ***"Issues regarding access, sustainable supply and high costs of diamond have limited the diamond material market to only a small number of applications in the semiconductor industry.***

However, lab-grown diamonds can be produced more economically and at a sustainable scale, hence we believe that there are more opportunities for industrial applications in the semiconductor industry as scientific discoveries are commercialised.

We will continue to proactively explore new collaborations to strengthen our technological capabilities, which will enable us to build a diversified base of customers for our lab-grown diamonds."

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About Metech International Limited
(Bloomberg: CENR:SP / Reuters: METE.SI / SGX Stock Code: V3M)

Listed on the Singapore Stock Exchange, 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.

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*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 Catalist 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.

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