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TECHNA-X TO ENTER EV MARKET WITH DEVELOPMENT OF LOW VOLTAGE DRIVE SYSTEM

*~ Signs JV with World Class Industry Experts in
Electric Mobility Technologies ~*

KUALA LUMPUR, 21 APRIL 2021 – Techna-X Berhad (“Techna-X” or the “Group”) via its subsidiary HK Aerospace Beidou New Energy Industry Technology Co., Limited (HKAB), today signed a joint venture (JV) agreement with Monika Mikac and Igor Pongrac former co-founders of Rimac Automobili, a technology powerhouse in electrical hypercars domain together with Nordin Catic, a materials specialist and Benjamin Bozic, an electronic systems design expert.

The joint venture company has been registered as E-Rex d.o.o. (E-Rex). E-Rex stands for Electric Revolution which represents the company’s objective of impacting the EV industry through its innovative designs and disruptive technologies. Techna-X will own 51% equity of E-Rex while the co-founders will hold the remaining 49%.

E-Rex will initially focus on the development of a low voltage powertrain suitable for low voltage electric vehicle passenger cars and commercial vehicles up to 2.5T (currently using battery with 250 and 800 V voltage range for drivetrain). This will include the design and development of key Low Voltage Drive System (“**LVDS**”) components, that are suitable for small vehicle of low speed and power, industrial machines, forklifts, small boats and other commercial applications, such as:

- Electric motor (asynchronous and synchronous 48V system);
- Motor controller (based on MOSFET technology, motor and controller in single housing drive);
- Specially developed fuse that is part of the motor controller power supply wiring;
- Charger (100kW, high current, high frequency);
- Connection Charging Station; and
- 20kW onboard charger for the existing AC charging station infrastructure.



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Datuk Jared Lim, the Executive Director of Techna-X said, “We are very excited to have these partners who are considered pioneers in the EV industry. Given what they have achieved with Rimac Automobili in the supercar EV space, we will be able to leverage on their experience and expertise to revolutionise the industry by developing a low voltage system. There will be tremendous synergies with our ultra capacitor and super battery technologies.”

“Together with our partners, our aim is to have E-Rex develop electric mobility solutions for new EV technologies. Our LVDS will be designed and patented by us where we will partner with or license to manufacturers of EV”, said Lim.

E-Rex will develop systems for electric mobility that is competitive in price and performance to existing solutions in the market; and other solutions related to electric mobility including Battery Management System, Advanced Driver Assistant Systems (ADAS) and Big Data, that are suitable for commercial applications.

“This powertrain will be competitive in price and performance compared to vehicles powered by internal combustion engines. Other areas that we will cover include the development of ADAS with high accuracy only using camera, big data applied for ADAS and battery analytics and battery development with laboratory services. The EV market today is bursting at 21.1% CAGR and projected to reach over 26 million units by 2030. There will be different solutions needed for different segments of electrification and mobility of autonomous vehicles. Big data will play a key role. Companies will have to learn how to store the data properly and then extract relevant information. E-Rex will be a key player in providing electric mobility solutions and aims to capture the EV market in Asia,” added Lim.

CEO of E-Rex, Monika Mikac elaborates: “As an industry pioneer, I aspire to change the world for the better and I am sure the right way is through evolving new technologies and innovation to make it more affordable and accessible. We want to be a hub for innovative technology and solutions. Our core strengths are our people and our technologies which will form the foundation of our developments.”



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“More will be done in the coming months as our partner, Nordin who is currently completing his PhD at the University of Cambridge, is already working on ground-breaking applications of new advanced nano materials.”, added Monika.

Appointed as the CTO of E-Rex, Igor said, “My 15 years of experience in technological development for the mobility segment gives me good insights as to what is missing in the market. We will address different areas of innovative powertrains, ADAS, big data, and battery technologies. We also believe that once available, the new materials could significantly improve the battery and electronic level that would propel the EV market in a price competitive manner”.

The formation of E-Rex will be the key for Techna-X to leverage its energy storage technologies and capabilities to play a pivotal role in the electric mobility industry.

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About Monika Mikac

Monika started her career as one of the co-founders and COO of Rimac Automobili, a technology powerhouse in electric hyper cars based in Croatia. With a strong technology and engineering background, she was responsible for growing Rimac from 1 to 350 employees whereby, Porsche has subsequently invested into the company to focus on electric super cars. In 2017, Monika received the European Automotive Rising Star Award for her achievements. Monika was then appointed as the CBO of Spain based QEV Technologies, one of the pioneers in mobility and a leader in electric racing. QEV Technologies' main business is applying knowledge gathered in racing to automotive projects and electrification in emerging countries.

About Igor Pongrac

Igor started his career in the Croatian army working on the development of unmanned aerial vehicles. He then became one of the co-founders of Rimac Automobili, where he led the whole production of 150 people across 12 departments dealing with prototyping, development projects as well as small series production. His experience spans across leading very diverse departments from the production of parts to assembly and testing.

About Nordin Catic

Nordin is a materials specialist and has worked on a multitude of additive manufacturing techniques over the last 9 years. He has experience working within tech start-ups as a researcher in advanced materials and as a business analyst. A few of the projects he has worked on have become products that are being used worldwide. Nordin is currently pursuing his PhD at the University of Cambridge working on printing sensors for various applications.

About Benjamin Bozic

Benjamin has more than 20 years of experience in the development of electronic devices and systems in the field of sensorics, telemetry, low and high-power electronic systems. He has



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worked on various projects as senior R&D; senior engineer and is the CTO and co-founder of Eltratec, a company that develops and produces measurement-regulation equipment and systems for environmental monitoring. He was previously involved in designing the electronic systems for the early Rimac Automobili models. Benjamin is currently pursuing a Master Degree in Energy Technology from Maribor University.

About HK Aerospace Beidou New Energy Industry Technology Co Ltd (HKAB)

www.aerospacene.com

HKAB is a subsidiary of Techna-X Berhad that is based in Hong Kong. It is a high technology company in the ultra-capacitor, energy storage and electric vehicle enabling space. The Company has a complete patent field in ruthenium ultra capacitor development with a total of 28 patents – 8 in the US, 15 in Taiwan and 5 in China. This technology is largely recognised as one of the most commercially advanced in the ultra capacitor energy storage space today. The technology has its origins in the United States by Pinnacle Research Institute (PRI) based in California. HKAB has a factory based in Wuzhou, China for the design and production of ultra-capacitors and super batteries with market reach in China and Asia Pacific region.

Techna-X Berhad (Techna-X)

<https://techna-x.com>

Techna-X Berhad (Techna-X) (formerly known as Sino Hua-An International Berhad) is the next generation energy storage and digital transformation enabler. The Company aims to transform into a key technology player in the Asia Pacific region, and has injected new business streams in the provision of intelligent digital ecosystem and energy storage solutions leveraging on its core technologies in mobile data, Internet of Things (IoT), digital infrastructure, deep analytics, business intelligence, super batteries and ultra-capacitor technology, into the business since 2019. The Company's disposal of the coke manufacturing business is expected to be completed by 2021. Techna-X is currently the only Company in the world with capabilities to manufacture ruthenium based ultra capacitor and the first in Malaysia in the ultra capacitor technology and renewable energy storage space. Driven by its strong business network, the Company has worked with multinational conglomerates across various industries including EV manufacturers, palm oil planters, transportation and mobility providers, electronic appliances manufacturers, property developers, F&B brands, retailers and eCommerce providers. Listed on the Main Board of Bursa Malaysia on 26 March 2007, Techna-X is classified as a Shariah-Compliant security approved by the Shariah Advisory Council of the Securities Commission, Malaysia.

For more information, please contact:

Media Contact:

Liew Siew Leng

Smartliy Consultancy Sdn Bhd

Tel: +6017 887 5108 | Email: siewleng@smartliy.com