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## **Strategic Malaysia-Japan Hydrogen Partnership Formalised at World Expo 2025**

**OSAKA, 14th May 2025** – Hypertech Industries Sdn Bhd (HISB), a subsidiary of NMB (NanoMalaysia Berhad) Group of Companies, and Hydronext Inc. of Japan exchanged a Memorandum of Understanding (MoU) at the Malaysia Pavilion in the World Expo 2025 Osaka, Japan. The exchange ceremony was between NMB's Chief Executive Officer and Director of HISB, Dr Rezal Khairi Ahmad, and the Chief Executive Officer of Hydronext Inc., Masaaki Nagai. It was witnessed by the Secretary General of the Ministry of Science, Technology and Innovation, Datuk Seri Hj Hasnol Zam Zam Bin Hj Ahmad. This strategic partnership marks a significant milestone in advancing technological innovation underpinned by industrial collaboration between Malaysia and Japan towards developing a sustainable regional hydrogen economy.

The MoU outlines a shared commitment to conduct feasibility studies and technology development across the hydrogen value chain in Malaysia and Japan. The collaboration focuses on the integration of respective hydrogen production and processing proprietary technologies for various industrial applications, including fuel cell electric vehicles and direct use as fuel or conversion into sustainable fuels for transportation modes such as trucks, rail, ships, and aviation; as well as providing remote electrification solutions. Both parties will explore knowledge transfer, technology localisation, and potential investment opportunities in Malaysia and Japan.

NMB's CEO and Director of HISB, Dr Rezal Khairi Ahmad, said: "This partnership represents our commitment to advancing the nation through clean energy transition with hydrogen-centric solutions through international collaboration. It aligns with Malaysia's Hydrogen Economy and Technology Roadmap (HETR) and supports our nation's ambition to lead the global hydrogen economy. The combined strengths of HISB and Hydronext will create an enduring impact on both countries' hydrogen development strategies and catalyse investments from the private sector."

Hypertech Industries focuses on developing and commercialising sustainable, advanced materials based on hydrogen production and storage systems, including the solid-state-based HyPERreactor, supported by intellectual property strategic management. Hydronext Inc. brings deep technical expertise in purifying hydrogen from gas mixtures and supplying high-purity hydrogen for fuel cells. This synergy creates a robust platform for multiple sectoral applications to strengthen hydrogen ecosystems in both countries.

Hydronext Inc. Chief Executive Officer, Masaaki Nagai, added: "We are excited to partner with HISB and NMB to expand our hydrogen initiatives in Southeast Asia. By sharing knowledge, expertise, and technology, we aim to accelerate the global shift toward a sustainable, hydrogen-powered society."

The MoU forms part of Malaysia's broader strategy to catalyse clean energy transition via international partnerships and enhance its role in the emerging global hydrogen economy. With the World Expo as a global platform for innovation and collaboration, the signing underscores the growing momentum behind international partnerships in clean energy technology.



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