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## Yinson GreenTech, Langkawi Port sign MoU for electric ferry project

Borneo Post (KK), Malaysia



Page 1 of 2

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**KUCHING:** Yinson GreenTech (YGT), through its marine electrification business marinEV, has signed a Memorandum of Understanding (MoU) with Langkawi Port Sdn Bhd (LPSB) to establish a framework for the Langkawi Electric Ferry Project.

The collaboration involves the proposed deployment of fully electric passenger ferries between Kuah, Langkawi and Kuala Perlis, supported by shore-based charging infrastructure and integrated marine technologies.

Under the collaboration, YGT will provide the vessels under a charter arrangement, while LPSB will operate the service and Tenaga Nasional Bhd (TNB) will develop the power and charging infrastructure.

The parties will work with relevant government agencies, infrastructure providers and other stakeholders on the technical, operational, regulatory and commercial requirements for the project.

The project has been mandated as a National Priority Project and is supported by the Ministry of Transport,

Ministry of Finance and Marine Department of Malaysia.

Based on marinEV's Hydroferry platform, the proposed vessels will use electric propulsion, onboard energy storage and marinEV's integrated digital technologies, together with autonomous and remote-operation capabilities developed by Zeabuz.

Langkawi Port Sdn Bhd general manager Muhd Nasir Abdul Aziz said the company would support the project as the intended operator of the electric passenger vessel service.

"By bringing cleaner and more reliable maritime connectivity to the Langkawi-Kuala Perlis route, this collaboration supports local communities, tourism and Malaysia's broader maritime electrification agenda," he said.

Meanwhile, marinEV managing director Jan-Viggo Johansen said the project would apply the company's experience in developing and operating electric vessels in Singapore to passenger transportation in Malaysia.

"This project brings together the vessel, charging

infrastructure, digital technology and operating model required to do exactly that," he said.

He said marinEV would work with LPSB and other stakeholders to develop a practical and scalable solution that could provide operational experience for wider adoption of electric maritime transport.

The proposed ferry service is intended to complement existing connectivity between Langkawi and mainland Malaysia while demonstrating the integration of vessel electrification, shore charging and digital technologies in passenger transport operations.

For marinEV, the Hydroferry is an expansion of its electric vessel portfolio into passenger transportation, following the development of its Hydromover cargo vessel and Hydroglyder crew-transfer platforms.

Hydromover has progressed from technology development and trials into commercial operations in Singapore.



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Minister of Finance II Senator Datuk Seri Amir Hamzah Azizan (back row, right) and Menteri Besar of Kedah Datuk Seri Muhammad Sanusi Md Nor (back row, left) look on as marinEV managing director Jan-Viggo Johansen (seated, left) and Nasir sign the MoU to establish a framework for collaboration on the Langkawi Electric Ferry Project.