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# Battery-free lighting system



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KOTA KINABALU: A RM76,000 research project to develop a battery-free lighting system powered by thermal energy will be carried out in Sabah under the Industrial Collaboration Programme (ICP).

The project, involving Universiti Malaysia Sabah (UMS) and Seni Gemilang Sdn Bhd, aims to advance sustainable energy research while developing a Science, Technology, Engineering and Mathematics (STEM) learning module for schools in Sabah.

The ICP is a government initiative led by the Ministry of Finance that uses selected government procurement projects to encourage technology adoption, research partnerships, innovation and talent development. The programme is monitored by Technology Depository Agency Bhd (TDA).

The research forms part of the ICP for the 132/11kV Karamunsing Main Intake Substation Transmission Project implemented by

the Ministry of Energy Transition and Water Transformation (Petra).

Under the initiative, Seni Gemilang Sdn Bhd, as the ICP provider, has partnered with UMS to undertake the project titled “Investigation of Sustainable Free Battery Self Power Lighting System Module Powered from Thermal Energy for Sabah STEM Education Module Kit”.

TDA Chairman Tan Sri Liew Yun Fah said the ICP creates long-term value beyond government procurement by advancing capability building and technology application.

He said partnerships between the government, industry and universities played an important role in improving expertise and nurturing local talent.

“The Industrial Collaboration Programme ensures that every strategic government procurement delivers sustainable value to the nation.” – MM