

UKM And University Of Yamanashi Establish Hydrogen Hub To Advance Clean Energy Innovation

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PUTRAJAYA—Universiti Kebangsaan Malaysia (UKM) and the University of Yamanashi, Japan, have established the Japan-Malaysia Hydrogen Hub (JMH2) to strengthen research, innovation, talent development, industry collaboration, and technology transfer in hydrogen and fuel-cell technologies. Established under Japan's Programme for Forming Japan's Research Universities (J-PEAKS), the hub is located at UKM's Fuel Cell Institute (SELFUEL).

The Malaysia–Japan Hydrogen Hub (JMH2), established through a collaboration between Universiti Kebangsaan Malaysia (UKM) and the University of Yamanashi, is expected to become a regional platform for research, researcher and student mobility, professional training, industry collaboration, and the commercialisation of clean-energy technologies. Announced during SCHAT-SSH 2026, the initiative reflects UKM's commitment to advancing hydrogen and fuel-cell technologies in support of Malaysia's renewable energy and net-zero carbon goals. UKM's Fuel Cell Institute will play a key role in driving research, innovation, and technology transfer while strengthening ASEAN collaboration. The University of Yamanashi selected UKM as its ASEAN partner due to its expertise and longstanding research partnership in hydrogen technology. Both universities also plan to explore dual-degree programmes to develop future hydrogen experts. Implemented in phases from 2026, JMH2 aims to expand its collaborative network across ASEAN by 2029 and position Malaysia as a leading regional hub for hydrogen knowledge, talent development, and clean-energy innovation.

