

Institute of Sustainable Green Energy & Technology



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NEWSLETTER

Strategic Research Collaboration on Rare Earth Elements (REE)

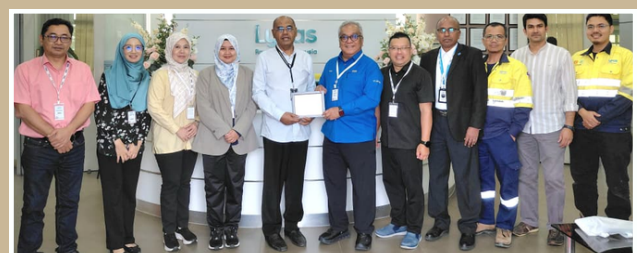
The Institute of Sustainable Green Energy and Technology and Faculty of Energy Transition, i-CATS University College, conducted an official working visit to Lynas Malaysia Sdn. Bhd., Gebeng, Kuantan, and the Centre for Rare Earth and Critical Minerals (CRECM), Department of Research and Innovation, Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), Gambang, Pahang, on 27 and 28 July 2026, respectively. The visit aimed to support Sarawak's sovereign mineral development and green transition agenda, in line with the Government's vision to move beyond REE extraction into midstream refining, separation and downstream high-value product applications.

At Lynas Malaysia, Dato' Jumaat Bin Mansor, General Manager, People & Culture Malaysia, welcomed the i-CATS delegation led by Vice-Chancellor, Professor Emeritus Datuk Ts. Dr. Mohamad Kadim bin Suaidi. The plant processes Mt Weld (Western Australia) concentrate and mixed rare earth carbonate through three stages: cracking and leaching, solvent extraction, and product finishing. Its high-quality separated rare earth materials, used in electric vehicles, wind turbines, electronics, aerospace and defence, are exported to customers across Asia, Europe and North America. Discussions explored potential collaboration in REE technology process R&D and student industrial placements.

At UMPSA, Prof. Dr. Mohd Hasbi bin Ab Rahim, Assistant Deputy Vice-Chancellor (Research and Innovation), welcomed the delegation. The visit provided exposure to ionic leaching of REEs from ion adsorption clay (IAC) and solvent extraction for REE separation. Discussions focused on potential collaboration in REE technology process R&D, joint research projects, academic study opportunities, and technology development initiatives benefiting both parties.



VISIT TO UMPSA



VISIT TO LYNAS MALAYSIA SDN. BHD