*10th November 2025*

**Groundbreaking Ceremony of the New Biorefinery by PETRONAS, Enilive and Euglena in Pengerang, Johor, Malaysia.**

**Pengerang, 10 November 2025** – Pengerang Biorefinery Sdn. Bhd., a joint venture between PETRONAS, Enilive S.p.A and Euglena Co., Ltd, marked a key milestone with the groundbreaking ceremony for the development of the new biorefinery in Pengerang, Johor, Malaysia.




The biorefinery will have the processing capacity of up to 650,000 tonnes of renewable feedstock annually and is projected to produce Sustainable Aviation Fuel (SAF), Hydrogenated Vegetable Oil (HVO), and bio-naphtha. Feedstocks for the biorefinery will include wastes such as used vegetable oils and animal fats, and residues from the processing of vegetable oils. The new facility is targeted to commence operations by the second half of 2028 in line with the schedule.

Pengerang Biorefinery is a demonstration of a shared commitment by PETRONAS, Enilive and Euglena to meet the growing needs for more competitive and accessible cleaner energy solutions.

PETRONAS Executive Vice President and Chief Executive Officer of Downstream, Datuk Sazali Hamzah said, “The groundbreaking of the Pengerang Biorefinery reflects the collective efforts to

drive decarbonisation and advance energy transition in the region. Leveraging the synergy and strength of our partnership, the new biorefinery is one of PETRONAS' key initiatives to deliver on our energy transition strategy through a holistic bio-based value chain and an expanded suite of cleaner energy solutions. This is in lockstep with PETRONAS' larger aspiration to become an integrated energy leader in the next decade, serving the world's energy needs, safely, reliably and sustainably.

Enilive's Chief Executive Officer, Stefano Ballista commented, "The Pengerang biorefinery, made possible by the strategic partnership with PETRONAS and Euglena, will enable acceleration of the decarbonisation of transportation, and reaffirms Enilive's commitment towards sustainable products. With Enilive's biorefineries that are already operational in Italy and in the United States of America, and with new plants under construction in Italy and South Korea, the new biorefinery in Pengerang is a further and relevant step forward towards the achievement of a production capacity over 5 million tons per year and over 2 million tons of SAF by 2030, supporting the growing need for more sustainable mobility."

Euglena's Founder and President, Mitsuru Izumo commented," I am truly excited as we mark the groundbreaking ceremony with PETRONAS and Enilive, and begin full-scale construction of the biorefinery. Since the inception of this project, we have continued to evolve in response to the rapidly changing energy landscape, and now we are stepping into the next stage toward the planned commencement of operations in 2028. This project represents a global endeavor and a powerful step toward decarbonisation and a more sustainable future, through enhanced clean energy supply capacity, particularly across the ASEAN region and beyond. In our continued efforts to expand decarbonisation solutions in response to climate change, we will continue to invest in research and development of microalgae, and advance our efforts toward the commercialisation of algal biofuel. I would like to express my heartfelt gratitude to all our partners and stakeholders who have supported this project. "

Located strategically within the Pengerang Integrated Complex (PIC) in Johor, the biorefinery's geographical advantage and access to major international shipping lanes will enhance its capability to meet the demands for biofuels and efficiently serve the markets, especially across the Asian region.

The groundbreaking ceremony was officiated by Yang Berhormat Tuan Lee Ting Han, Chairman of the Johor State Committee for Investment, Trade, Consumer Affairs and Human Resources; and joined by Yang Berhormat Dato' Ramlee A Rahman, President and Group Chief Executive Officer of Permodalan Darul Ta'zim as well as Yang Berhormat Puan Fauziah Misri, Ahli Dewan Undangan Negeri, Penawar. Also present were Datuk Sazali Hamzah; Stefano Ballista; and Mitsuru Izumo.

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**About Petroliam Nasional Berhad (PETRONAS)**
As a global energy and solutions partner, PETRONAS is driven by its purpose to enrich lives for a sustainable future. With presence in over 100 countries, the group continues expanding its portfolios ranging from conventional and cleaner energy solutions to a diverse range of fuel, lubricants and petrochemical products. While ensuring sustainable practices across its operations, PETRONAS strives to ensure just and equitable outcomes in transitioning to a lower carbon future.

**About Enilive**
Enilive is Eni's company dedicated to biorefining, biomethane production, smart mobility solutions, and the distribution of all energy carriers for mobility, through its more than 5,000 Enilive Stations in Europe. Enilive aims to provide progressively decarbonized services and products for the energy transition, contributing to Eni's goal of achieving carbon neutrality by 2050 also through industrial assets that include the Venice and Gela biorefineries, in Italy; the St. Bernard Renewables LLC (50% joint venture with PBF Energy) in Louisiana (United States of America); numerous biogas plants being converted to biomethane production in Italy, as well as new projects in Italy, in Malaysia and in South Korea, where further biorefineries are under construction. Enilive plans to increase its biorefining capacity to over 5 million tonnes/year by 2030 and enhance its optionality for Sustainable Aviation Fuel (SAF) production up to 2 million tonnes per year.

**About Euglena**
Euglena Co., Ltd. is a Japan-based biotechnology-driven and sustainability-oriented growth company, starting from the world's first success in outdoor mass cultivation of the edible microalgae Euglena in 2005.With "Sustainability First" as its corporate philosophy and its advanced R&D capabilities for proposing sustainable solutions to social problems, the Company has operated the Healthcare Business for marketing functional foods/cosmetics to over 700,000 online customers in Japan, the Biofuel Business for producing biofuels and development of crude algae oil, and the Other Business in such areas as fertilizer, bioinformatics, farming, social business, etc.The Company with support from its customers and business partners in Japan has been delivering daily 10,000 sets of Euglena biscuits containing 59 kinds of nutrition to those Bangladesh children in great poverty in order to solve their malnutrition problem under "Genki Program", which Euglena recently celebrated 10th Anniversary in Bangladesh and Japan. The Company went public in 2012 and is currently listed on the Prime Market of the Tokyo Stock Exchange.