

APPENDIX

SUSTAINABILITY HIGHLIGHTS

Greenhouse Gas (GHG) Emissions

In Q1 2024, PETRONAS recorded GHG emissions of 11.3 million tonnes of carbon dioxide equivalent (CO₂e) for its Malaysia operations, contributed by 11.17 million tonnes CO₂e of Scope 1 emissions and 0.12 million tonnes CO₂e of Scope 2 emissions. The overall GHG emissions reduced by 2.6 per cent compared to Q1 2023 (11.6 million tonnes CO₂e), contributed by continuous emissions reduction efforts and lower venting in upstream operations.

Health, Safety and Environment (HSE)

Lost Time Injury Frequency (per million man-hours) recorded in Q1 2024 is 0.18 per million manhours, which is an increase by 29 per cent. PETRONAS is committed to taking proactive measures and intensifying efforts on safety to prevent recurrence of incidents and address emerging risk areas.

PETRONAS' Social Impact Investments

For Q1 2024, PETRONAS contributed over RM99 million towards its social impact programmes, benefitting more than 160,000 people around the world. The contribution was delivered through more than 100 activations, under our three focus areas: Powering Knowledge (Education), Uplifting Lives (Community Well-being), and Planting Tomorrow (Environment).

OPERATIONAL HIGHLIGHTS

Upstream

- Recorded a total daily production average of 2,587 thousand barrels of oil equivalent (boe) per day in 2024, an increase from the 2,497 thousand boe per day recorded for the same period in 2023.
- Achieved a key milestone by exceeding 2,000 kboed of production in Malaysia within Q1 2024, on the back of outstanding performance from our domestic assets.
- Achieved first hydrocarbon for one project in Malaysia and final investment decision for one project each in Malaysia and in Brazil.
- Awarded Production Sharing Contracts (PSCs) for six exploration blocks and one Discovered Resource Opportunities (DRO) cluster marketed under the Malaysia Bid Round 2023 and launched the Malaysia Bid Round 2024, offering five exploration blocks and five clusters of DRO to potential investors on 23 January 2024.
- Expanded core portfolio via the signing of the Exploration & Appraisal Concession Agreement for Onshore Block UC05 in Abu Dhabi on 1 February 2024 and the award of the Bobara Working Area PSC on 20 February 2024.
- Advanced carbon capture and storage (CCS) efforts through three signings; a Storage Site Agreement (SSA) for the M3 depleted field with PETROS, JAPEX, JGC and "K" LINE on 26 February 2024; a PSC for Bujang, Inas, Guling, Sepat & Tujoh (BIGST) Cluster on 27 February 2024 and a Joint Study Agreement with JERA Co., Inc. to evaluate the feasibility of the CCS value chain on 29 March 2024.

Gas

- Overall Equipment Effectiveness (OEE) for Gas Business stood at 96.6 per cent across all business segments.
- Delivered 112 liquefied natural gas (LNG) cargoes from PLC in Bintulu to customers across the globe.
- Delivered 10 LNG cargoes from PETRONAS' Floating LNG facilities, PFLNG Satu and PFLNG Dua.
- Completed 2,352 MMscfd of average sales gas volume delivered in Peninsular Malaysia.
- Completed 91,000 m³ of LNG Bunkering Vessel deliveries to the marine industry in Malaysia.
- Delivered 249 Virtual Pipeline System trucks to remotely located customers across Malaysia.

Downstream

- Downstream's operations recorded OEE of 86.2 per cent.
- Chemicals business recorded lower production and sales volumes due to planned turnaround activity. Overall marketing sales volume stood at 6.48 billion litres, an increase from 6.26 billion litres from Q1 FY2023, driven by higher demands amid festive seasons.
- Perstorp, a wholly owned subsidiary of PETRONAS Chemicals Group (PCG) Sdn Bhd, officially inaugurated a state-of-the-art plant in Sayakha, India for Pentaerythritol production and International Sustainability & Carbon Certification (ISCC) PLUS certified Voxtar™ M40 to strengthen its market position in the Asia Pacific region.
- PCG partnered with Sarawak Petchem Sdn Bhd to conduct a joint feasibility study to develop a low-carbon ammonia and urea plant in Bintulu, Sarawak, addressing the growing demand for cleaner energy solutions.
- Over 249 tonnes of Used Cooking Oil have been collected from multiple sites across the nation, including PETRONAS stations and other PETRONAS assets, as part of a programme spearheaded by the Refining, Marketing and Trading unit last year. Collaborating with PETRONAS Dagangan Berhad and the Ministry of Plantation and Commodities, the initiative expanded to 53 PETRONAS stations by Q1 FY2024.

OTHER BUSINESS HIGHLIGHTS

Gentari Sdn Bhd

Renewables

- Commissioned Amplus' first interstate transmission system-connected solar project, totalling approximately 360 MW in Rajasthan, India. This is Gentari's single largest open access solar plant, utilising bifacial PV modules and a single-axis tracker to enhance yield while minimising water consumption through a robotic cleaning system.

Hydrogen

- Signed Heads of Agreement with SEDC Energy Sdn Bhd for the joint development of a centralised, global-scale hydrogen production hub in Bintulu, Sarawak.

Green Mobility

- Launched Gentari Go, a customer experience platform that offers an integrated sustainable lifestyle by unifying Gentari's cleaner energy ecosystem through green mobility and home energy management. Gentari Go is currently active in Malaysia, offering access to 70 per cent of the country's charging points and empowering cross-border charging through the first electric vehicle (EV) charging corridor from Singapore to Thailand, with regional expansion slated for 2024.
- Currently operating the largest network of DC fast chargers in Malaysia, Gentari has established a network of 699 charging points across Malaysia, India and Thailand to date.
- Ventured into the Vehicle-as-a-Service segment in Indonesia, increasing Gentari's combined fleet to 3,012 EVs in Malaysia, India and now Indonesia. This resulted in approximately 8.3 million electric kilometres driven during the quarter, contributing to carbon avoidance of approximately 231 tonnes of carbon dioxide equivalent (tCO₂e) in Q1 2024. Cumulatively, Gentari has clocked in approximately 22.7 million electric kilometres, contributing to carbon avoidance of around 572.3 tCO₂e across Malaysia and India.

MISC Berhad

- Delivered the third LNG dual-fuel Very Large Crude Carrier (VLCC), *Eagle Veracruz*, marking the final delivery of the three sister vessels that began with *Eagle Vellore* in August 2023 and *Eagle Ventura* in October 2023.
- Signed a Memorandum of Understanding with Yayasan Sarawak and University of Technology Sarawak to jointly enhance maritime education and industry development in Borneo and the wider region.

- Completed the construction phase of *FPSO Marechal Duque de Caxias* safely with 28 million man-hours LTI-free and achieved a successful sail away from Yantai, China to the Mero Field of the Santos Basin offshore in Brazil.
- Entered into long-term Time Charter Parties agreement with QatarEnergy for three newbuild LNG Carriers which will be chartered for 15 years from 2026 onwards.