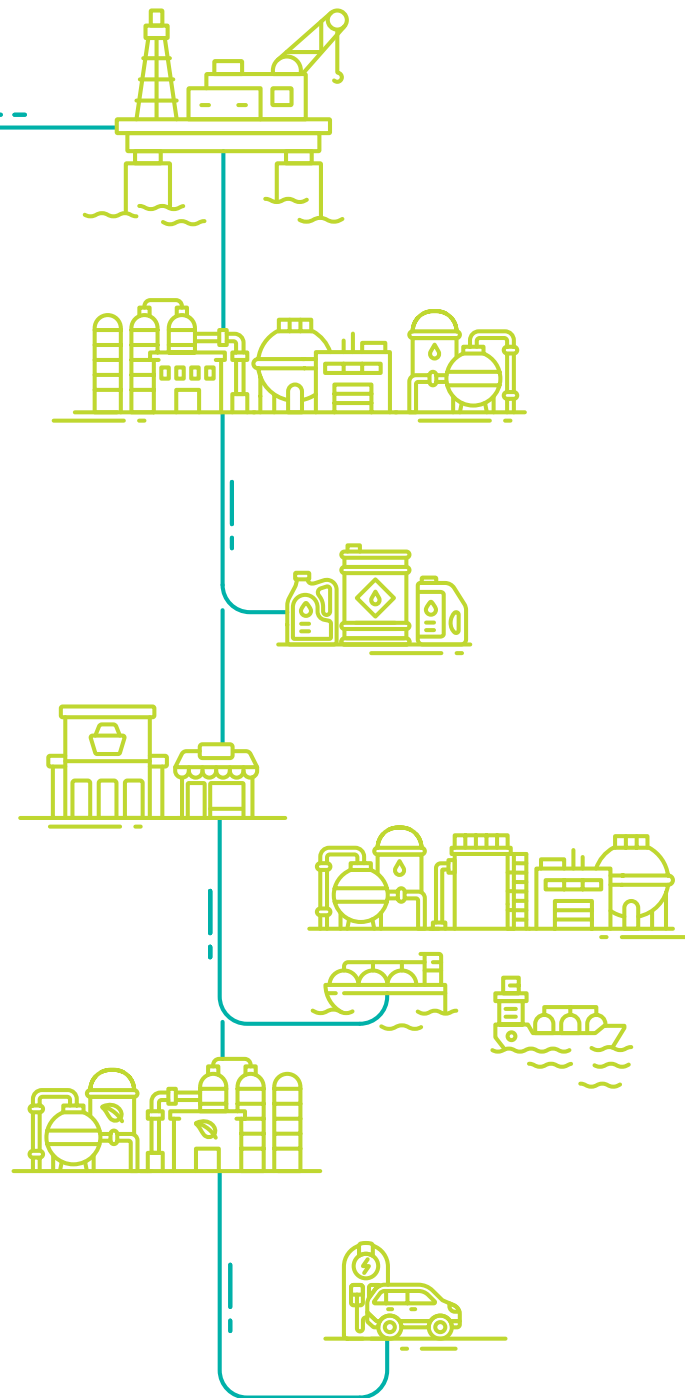


# Downstream and New Business Opportunities

PETRONAS' Downstream business focuses on enhancing the value of our energy resources, transforming them into high quality, value-added products that are distributed to over 100 countries worldwide. Our operations include refining, marketing and trading crude oil and petroleum products, along with manufacturing petrochemical and specialty chemicals.

With a network of over 1,000 PETRONAS stations in Malaysia, we offer high-quality fluids, lubricants and innovative non-fuel offerings like Setel and Kedai Mesra in 800 locations. Additionally, you can also find over 40 Café Mesra outlets operating beyond PETRONAS stations, providing premium coffee and pastries for customers on-the-go.

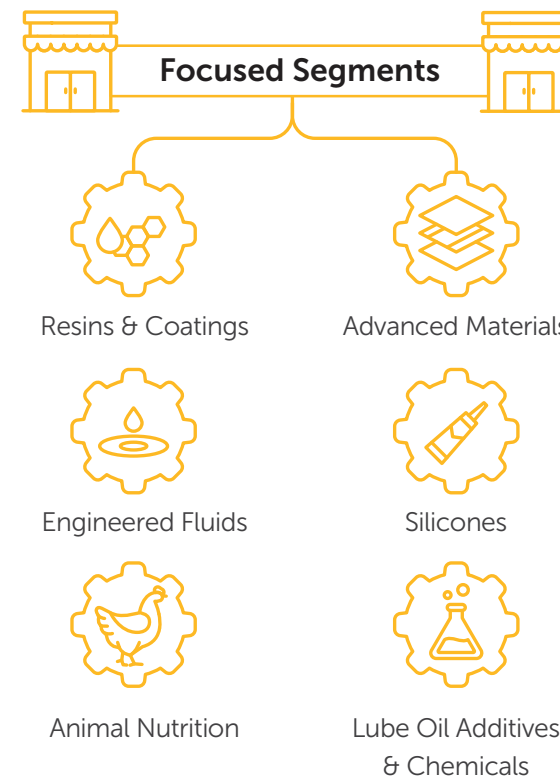
Expanding the Downstream business into cleaner energy initiatives, we are venturing into biofuels, circular economy, Liquefied Natural Gas (LNG) bunkering and next-gen fluids with PETRONAS Iona Range and the installation of Electric Vehicle (EV) charging facilities at PETRONAS stations. This aligns with our Net Zero Carbon Emissions 2050 (NZCE 2050) Pathway and the country's goal of achieving net zero emissions by 2050.



## Petrochemicals

PETRONAS Chemicals Group Berhad (PCG) is guided by its Two-Pronged Strategy that drives its business growth, while enhancing its role in sustainability to support NZCE 2050. The first prong focuses on sustaining strength in basic petrochemicals, while the second prong encapsulates stepping-out opportunities through selectively diversifying into derivatives, specialty chemicals and solutions.

Under its second prong, PCG's specialty chemicals segment offers a wide range of focused segments that include: Resins and Coatings, Engineered Fluids, Animal Nutrition, Advanced Materials, Silicones and Lube Oil Additives and Chemicals to the market, with a commitment to ongoing growth.



### Did You Know?

A collaboration to expand these market segments will only enhance resilience within PCG. Let's join hands and explore collaborative opportunities across these segments to cultivate growth.

PCG is also driving the circular economy transition through the construction of one of Asia's largest advanced chemical recycling plant.

With a capacity of 33,000 tonnes per annum, this plant converts end-of-life plastics into pyrolysis oil that can be used as chemical feedstock for the production of sustainable plastics. This effort drives innovation across the plastics value chain and creates opportunities for all parties - from waste collectors to manufacturers - to jointly contribute to the circular plastics economy.

**Biofuel**

PETRONAS is committed to fuel innovation and sustainability by venturing into biofuel production through a greenfield biorefinery and co-processing at existing facilities. With used cooking oil (UCO) as the main feedstock, PETRONAS will have the capability to produce Sustainable Aviation Fuel (SAF) and Hydrogenated Vegetable Oil (HVO) or renewable diesel.

PETRONAS is actively purchasing UCO from the public and plans to expand our collection network across the nation. The initiative is aligned with the green framework set by the International Civil Aviation Organisation (ICAO), namely Carbon Offsetting and Reduction Scheme (CORSIA) to reduce the impact of carbon footprint and meet the carbon neutral growth target for the international aviation sector.

**PETRONAS Iona**



**Advanced Fluid for EV**

PETRONAS, through PETRONAS Lubricants International, continues to innovate next-generation e-fluid solutions with our PETRONAS Iona range, making us one of the pioneers in the industry to introduce a dedicated range of automotive fluid solutions for electric vehicles (EVs) and other thermal management applications across diverse sectors.

As partners to premium original equipment manufacturers (OEMs), PETRONAS is committed to co-engineering the best advanced fluids through our Fluid Technology Solutions™, delivering custom-made solutions for our customers to help us use energy more sustainably and efficiently.



**Expansion of EV Charging Network**

Through strategic collaborations with relevant industry players, PETRONAS Dagangan Berhad (PDB) aspires to expand its charging infrastructure for electric vehicles at PETRONAS stations, signaling our commitment to accelerate the adoption of electric mobility. PDB has also introduced battery swap stations for electric two-wheelers and is actively seeking for collaborations with suitable players to support the growth of green mobility.

**Did You Know?**

**Expanding Beyond Fuel**

PDB has expanded into non-fuel portfolios to adapt to the ever-changing business landscape.

**Auto Expert**

PDB is expanding its AutoExpert network to boost SMEs and local economic growth.



**Setel**

PDB expands its Setel ecosystem through digital innovation and new features for a seamless customer experience.



**Café Mesra**

Café Mesra expands beyond PETRONAS stations with standalone kiosks and new café formats.



## Pengerang Integrated Complex (PIC)

The Pengerang Integrated Complex (PIC) is a petrochemical park that plays an essential role in meeting rising energy and downstream derivatives demand, while supporting the energy transition towards net zero carbon emissions. Its multi-train refinery, processes imported crude oil into top-quality fuels and supplies feedstock for the adjacent steam cracker complex, producing premium products used in high-end consumer goods.



### Built for Energy Efficiency

PIC is designed with groundbreaking facilities that ensure supply reliability for seamless processes and business continuity. Strategically located near major shipping routes, it stands as one of the leading petrochemical hubs in the region. The highly integrated complex where innovation and technology work hand-in-hand, creates value chain synergy that optimises cost.

Sustainability is embedded across PIC's growth aspiration and we welcome partners that promote circular economy and carbon footprint reduction. Explore a wide range of business opportunities at PIC and we look forward to partnering with you for a better future.

### Associated Facilities and Utilities

Supporting PIC's operations to ensure its self-sufficiency and reliability.



Centralised Utilities



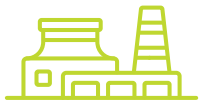
Raw Water Supply Facility



Deepwater Terminal



Liquefied Natural Gas Terminal



Co-Generation Power Plant



Air Separation Unit

