



YTL Cement and CREAM Launch Malaysia's Pilot Repurpose Concrete Aggregates (RCA) Facility

Pioneering effort to repurpose returned concrete into reusable materials in line with National Construction Policy 2030 (NCP 2030)

KUALA LUMPUR, 29 July 2025 – YTL Cement Group (YTL Cement), Malaysia's leading homegrown building materials group, in partnership with the Construction Research Institute of Malaysia (CREAM), the research arm of Construction Industry Development Board (CIDB), today launched the nation's pilot project facility to Repurpose Concrete Aggregates (RCA).

The event was launched by Puan Zainora Zainal, Chief Executive of CIDB Malaysia, alongside Datuk Aziyah Mohamed, Director of YTL Cement.

The use of RCA offers a practical solution for managing and repurposing construction waste, conserving natural resources, and reducing environmental impact. RCA also decreases reliance on virgin materials from distant quarries, supporting a more sustainable and circular construction process. This RCA Facility is closer to urban construction sites, reducing the need for long-distance transportation, thus lowering associated carbon emission.

The facility crushes and processes returned concrete into aggregates capable of replacing up to 30% of natural aggregates in new concrete mixes. Finer materials are then repurposed into road base or raw materials for brick making, thereby significantly reducing industry reliance on virgin resources.

Operational since June 2025, the facility repurposes fresh returned concrete which accounts for an estimated 5% of Malaysia's annual 30 million m³ concrete production into valuable reusable aggregates. The term 'repurposed' reflects YTL Cement's commitment to reducing waste, supporting circular economy principles, and mitigating the long-term environmental impact of construction activities.



Strategically located in Jalan Chan Sow Lin, the launch of the RCA facility is a success story from the Memorandum of Understanding (MoU) that was signed between CREAM and YTL Cement in 2023, which is focused on three key pillars; development of construction personnel, research and development (R&D), and facilitating the construction sector's transition toward sustainable practices.

During the launch event, Datuk Aziyah Mohamed said, "This initiative reflects our commitment to supporting national efforts in sustainable development. This model can be replicated in other locations with high volumes of construction activity. Most importantly, we aim to shift industry perceptions in viewing returned fresh concrete not as waste, but as a resource that can drive sustainability."

Echoing this sentiment, Puan Zainora Zainal, Chief Executive of CIDB Malaysia, highlighted the importance of collaboration. "The RCA facility shows how public and private sectors can work together to accelerate innovation and realise national policy goals. This is a success story from the MoU between CREAM and YTL Cement."

Puan Zainora concluded, "I am very pleased with the establishment of this facility. I truly hope that this will set the standard and encourage more industry players to consider using RCA in their building materials and for them to be inspired to create more such initiatives across the country. This is important as we collectively strive to advance sustainable construction practices in Malaysia for the long term in line with our National Construction Policy 2030's aspirations."

Beyond that, as part of the R&D pillar, YTL Cement and CREAM will also be working on furthering joint research and development efforts on the usage potential of RCA by-products including aggregate fines for other building and construction purposes. These are geared towards driving greater innovation and sustainability efforts within the industry.

###



About YTL Cement Group

YTL Cement is Malaysia's pioneer and largest building materials group. With a network of cement plants, terminals, ready-mixed concrete batching facilities, drymix operations, and aggregate quarries, YTL Cement is recognised as a partner in nation building. Over its 70-year legacy, the Group has contributed to the construction of residential, commercial, and infrastructural projects throughout Malaysia, including the Petronas Twin Towers, Merdeka 118, SMART Tunnel, and the nation's iconic airports and bridges.

Extending its presence beyond domestic borders, YTL Cement now has operations in Southeast Asia, meeting the building material needs of neighbouring nations.

Recently, the Group launched its ECO Product Range, providing a diverse selection of low-carbon alternatives to conventional offerings. This eco-friendly range includes ECOCem™, a selection of low-carbon cements; ECOConcrete™, offering concrete with significantly reduced embodied carbon; ECOSand™, a perfect substitute for natural sand; and ECODrymix™, an eco-friendly pre-mix range. This initiative is part of its commitment to support the industry's transition to sustainable construction.

About CREAM

The Construction Research Institute of Malaysia (CREAM) is an institute under CIDB Malaysia and the Ministry of Works, and a research institution approved by the Ministry of Finance (MOF) under Section 34B of the Income Tax Act 1967. With this status, any individual or company that makes a cash contribution or payment for research activities to CREAM is eligible for a Double Tax Deduction (DTD).

CREAM is accredited by the Department of Standards Malaysia for ISO/IEC 17025 (Testing Laboratory), ISO/IEC 17065 (Product Certification Body), and ISO/IEC 17020 (Inspection Body), demonstrating its technical competence, impartiality, and commitment to quality in testing, certification, and inspection services. Additionally, CREAM is certified with ISO 37001 for Anti-Bribery Management and ISO 9001 for Quality Management, reinforcing its integrity,



transparency, and dedication to continuous improvement—positioning itself as a trusted authority in Malaysia’s construction industry.