

EIK'S ROLE IN SUPPORTING COASTAL
PROTECTION THROUGH ENGINEERING REACH

THE REACH BEHIND THE BREAKWATER



WELCOME

Hello Readers,

Welcome to the August/September/October edition of the EIK Newsletter!

In this issue, we're shifting the spotlight from product to application, showcasing how our Long Reach excavators are supporting the Breakwater Project, a unique and challenging development. You'll also find inspiring highlights from across our teams, from innovative machinery deployments to moments of celebration and community giving.

Each story reflects the strength, expertise, and spirit that define EIK.

Thank you for being part of this journey with us!

*Warm regards,
EIK Marketing Team*

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Redefining Reclamation : XE370DK Long Reach at Work



EIK 18.5m Long Reach for XE370DK

A major reclamation and dredging project — spanning several kilometres of dikes and extensive channel deepening — is currently making excellent progress, with completion expected ahead of schedule. Valued at hundreds of millions of ringgit, the project highlights how thoughtful engineering and the right equipment can turn challenging marine conditions into lasting infrastructure.

At the heart of the operation is an XE370DK long reach excavator, designed to meet the customer's need for a heavier-duty setup. The configuration allows operators to carry out land reclamation and dredging work from firm ground, keeping operations consistent and aligned with project timelines. Designed to suit the actual site conditions, the equipment reflects EIK's ongoing effort to provide practical, fit-for-purpose solutions that support our customers' day-to-day challenges.

To suit the working conditions, the attachments were prepared to ensure steady performance under long

working hours and changing ground conditions. The project also introduced a cost-saving construction method using sandbags and reinforcement stones to reinforce the shoreline, supported by the stability and reach of the EIK equipment.

Projects like this demonstrate how practical design and field experience come together to support customers in achieving their construction goals. For EIK, being part of such efforts means supporting customers with solutions that make real work happen on the ground.



EIK 18.5m Long Reach for XE370DK

Dual Strength at the Shoreline : XE370 & CAT374 Long Reach

Along this busy coastal project, two excavators, the XCMG XE370 and the Caterpillar CAT374 worked side by side, each fitted with an EIK Long Reach attachment suited to its class. The XE370 focused on shaping and general placement, while the larger CAT374 took on heavier materials such as reinforcement stones used to strengthen the coastal barrier.

Working in perfect rhythm, the combination of reach and lifting power delivered efficiency and control throughout the shoreline construction. The extended arm made it possible to work safely over soft and uneven terrain without frequent machine repositioning, while the heavy-duty structure ensured stability during rock placement.

This project serves as a good example of how thoughtful equipment pairing and well-engineered attachments can help improve productivity and reliability on site, especially in projects where stability and terrain adaptability are key.

At EIK, we value being part of projects that connect engineering know-how with practical fieldwork. Seeing our attachments contribute to coastal protection efforts reminds us of the shared goal we have with our customers: to build equipment that performs reliably and supports lasting progress for the communities we serve.



EIK 18.5m Long Reach for CAT374

Looking Back : EX800 Long Reach at Kuantan's Breakwater



EIK 25m Long Reach for EX800

Malaysia's Kuantan New Deep Water Port expansion marked an important step in strengthening the country's role as a regional maritime hub. Central to the project was the construction of a massive breakwater system designed to withstand the demanding conditions of the open sea.

For EIK, being part of this development was a great experience. The project required an EX800-H long reach

excavator and an 8-ton additional counterweight which is a rare configuration at the time. The setup proved effective in extending working range while maintaining stability under heavy loads, enabling the contractors to position large rocks and materials exactly where they were needed.

The equipment was built by combining high-strength materials and hydraulic performance to endure the continuous, corrosive marine environment. This practical approach helped minimize downtime and kept the project moving steadily forward.

Looking back, it's rewarding to know that EIK could play a small part in a development of national significance. The Kuantan breakwater now stands as a lasting structure built through the combined efforts of many skilled teams. For EIK, it remains a reminder that dependable equipment and good collaboration can make a real difference in achieving long-term results.

Strengthening Coastlines : EIK Long Reach Excavators in Action

Across South Asia, coastal protection projects are being developed to safeguard communities from waves, erosion, and shifting weather conditions. Each site presents its own challenges from soil conditions to access limitations and requires equipment that can perform dependably in tough marine environments.

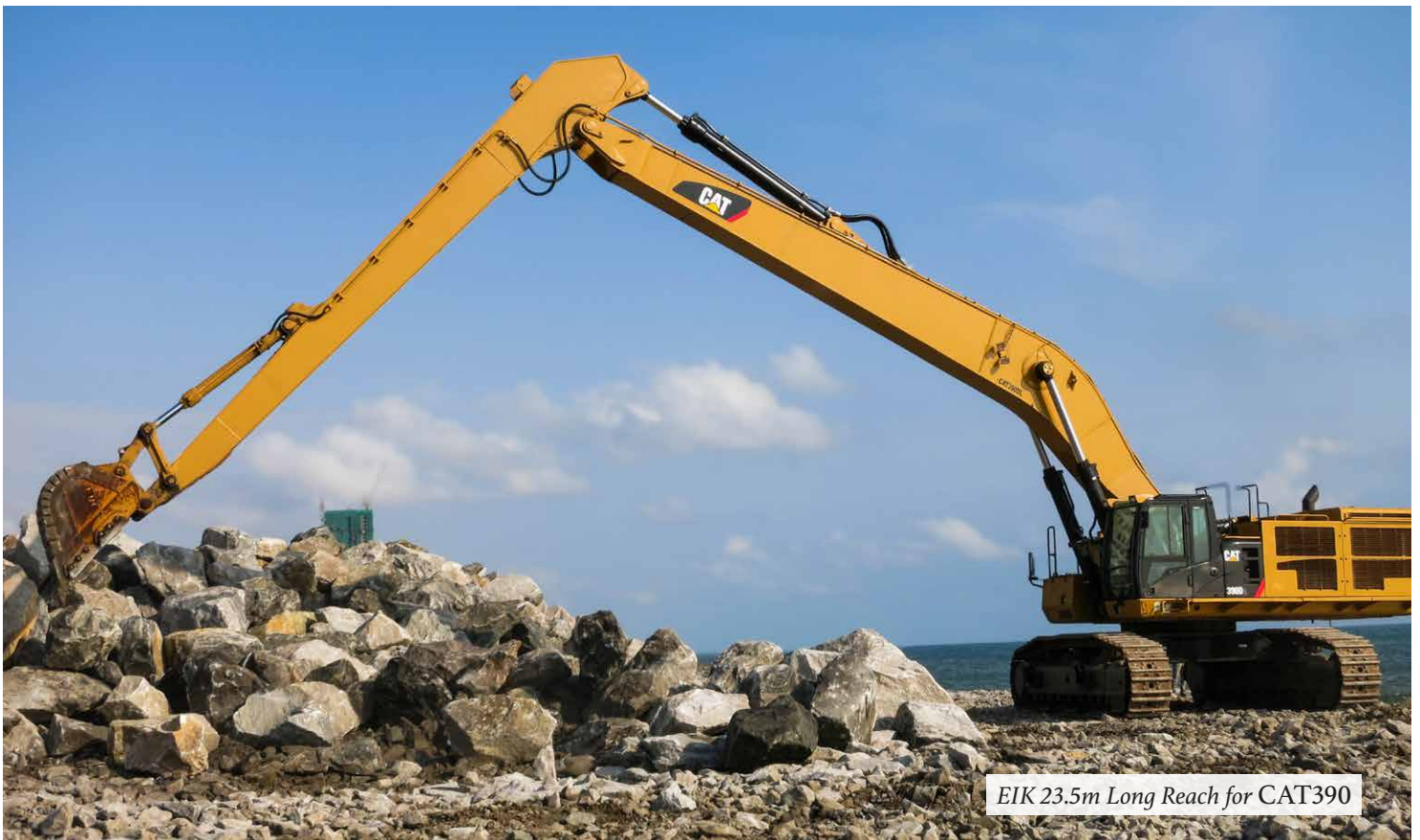
In one of these ongoing breakwater projects, our CAT390 long reach was used to extend the machine's working range safely from the shore. This configuration allows operators to reach further into the water while maintaining stability on solid ground which is an important factor when handling large rock materials to form the breakwater base.

The extended reach also reduces the need for frequent machine repositioning, improving site efficiency and helping maintain steady progress on a time-sensitive project. With larger buckets and dependable lifting performance, the setup supports high-volume placement work with fewer interruptions.

Benefits of long reach systems for coastal projects:

- **Extended Reach**
Access offshore zones while maintaining a safe operating position.
- **Steady Performance**
Stable and controlled movement even near the waterline.
- **Improved Efficiency**
Move more material per cycle, reducing idle time.
- **Accurate placement**
Consistent rock positioning to ensure long-term structural integrity.

Every long reach system is developed with one goal in mind which to help contractors carry out their work safely and efficiently under real-world conditions. By understanding site challenges and adapting our designs accordingly, EIK continues to support the people and projects that strengthen coastlines and protect local communities.



EIK 23.5m Long Reach for CAT390

EIK Annual Dinner 2025 - Walk the World!



What a night to remember! On 15 August 2025, the EIK family gathered at KSL Hotel & Resort for our Annual Dinner themed “Walk the World.” The ballroom came alive with culture, colours, and laughter as colleagues celebrated another year together.



A memorable highlight was the heartfelt address by our Managing Director, Mr. KB Tiew. He reflected on EIK’s 20-year journey — from humble beginnings to becoming a trusted global name — and reminded us that while our machines are built with steel, EIK is built on people. His words were a powerful reminder of the teamwork, passion, and commitment that fuel our growth and our ability to serve customers better every day.



From dazzling performances to the TikTok Challenge and the much-anticipated Lucky Draw, the evening was filled with energy and joy. A special highlight was honouring our 5-, 10- and 15-year Long Service Award recipients — the people who form the backbone of EIK.



Events like this refresh and strengthen our synergy as one team, so we can continue doing what we do best — supporting our customers with passion and excellence. Here’s to more milestones ahead as we move towards our 20th anniversary in 2026!



Empowering Knowledge, Elevation Excellence : Hands-On Product Training at EIK



At EIK, we value the importance of understanding our products beyond their design and specifications. Recently, our Research & Development (R&D) team conducted a Practical Product Knowledge Session to help team members strengthen their technical understanding and connect it with everyday field applications.

During the session, participants explored a complete CAT350 Amphibious Excavator on-site, gaining practical exposure to the setup, function, and operating characteristics of the system. The hands-on experience provided valuable context to understand how each component contributes to overall machine performance.

The program also provided a good platform for collaboration, allowing colleagues from different departments to exchange insights and align their technical knowledge, ensuring everyone speaks the same language when supporting customers in the field.

We appreciate the R&D team for their continuous effort in sharing knowledge, and all participants for their eagerness to learn. Initiatives like this help us stay connected with our products and, most importantly, continue delivering dependable support to our customers.



A Wonderful Day at PT HBSM Golf Tournament 2025

The PT HBSM Golf Tournament 2025 returned for its second successful edition at the Gading Raya Golf Club, bringing together golfers, partners, and industry peers for a day of sportsmanship and camaraderie.

EIK Engineering was proud to participate as a Gold Sponsor, supporting an event that embodies the spirit of connection and collaboration. It was more than just a tournament — it was a platform where relationships are strengthened, networks expanded, and communities brought together.

We sincerely thank PT HBSM for hosting such a well-organized and enjoyable event. We believe that the strength of partnerships built through occasions like this can lead to long-term cooperation that benefits everyone. Looking ahead, EIK remains committed to contributing to initiatives that encourage partnership, foster goodwill, and create opportunities that go beyond business.



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LIMITED STOCK AVAILABLE

AMPHIBIOUS SERIES



Model

AM350-3

AMPHIBIOUS SERIES



Model

AM70-1ER

FRONT REACH SERIES



Model

EC210DL

Length (FT / M)

59FT / 18.0M

FRONT REACH SERIES



Model

SK380XDL-10

Length (FT / M)

53FT / 16M

FRONT REACH SERIES



Model

CAT320GX

Length (FT / M)

50FT / 15.5M

BUCKET SERIES



Bucket Type

Narrow Bucket

Model

JD160

Size (Inch)

24

Capacity (M3)

0.40

BUCKET SERIES



Bucket Type

Heavy Duty
Bucket

Model

ZX280-5G

Size (Inch)

65

Capacity (M3)

1.60

GRAB SERIES



Product Type

Hydraulic Orange
Peel Grab

Model

EX200

Size

1.0M³

OTHER ATTACHMENTS



Product Type

Counterweight

Model

DX225LCA

Size

1.5 Ton

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