

ISSUE 4 - APRIL 2023



# CREAM

e-magazine



- CREAM and YTL Cement Partner Up for Sustainable Construction
- Testing of Iron and Steel Products at CREAM-MKRM
- Divergent Dwelling Design (D3)
- CREAM Featured in Newspapers
- Statistics on QCLASSIC and SHASSIC Assessments
- April Activities

# editorial team

## Editor-in-chief

Ir. M. Ramuseren

## Managing Editor

Ts. Intan Diyana Musa

## Executive Editor

Marlia Masran

## Writers/Contributing Editors

Ts. Intan Diyana Musa

Rohani Mokhtar

Syaza Nabilla Mohd Suhaimi

Mohmad Fazli Halim

Maria Zura Mohd Zain

Muhamad Azam Azmai

Ts. Syed Hazni Abd Ghani





# about us

Construction Research Institute of Malaysia (CREAM) was established on 26 March 2004 as a Company Limited by Guarantee (SBMJ) under the Act Company 1965. CREAM became fully operational on January 1, 2006. Establishment CREAM is to be the research arm of the Industrial Development Board Construction (CIDB) Malaysia to encourage, promote and implement activities research and development (R&D) related to the national construction industry with Section 4(c), CIDB Act 1994 (Act 520). With the ability of knowledge and existing expertise, CREAM actively cooperates with parties interested in producing research that will benefit the sector construction. At the same time, CREAM also supports the development of the industry construction in a better direction through the quality and integrity of building materials when also offers testing, evaluation and certification services to industry players. CREAM will continue to be proactive in being active and reinventing the way we in doing something, to keep giving the best to all parties and always responsive to our customers.

# vision

To meet the strategic needs of Research and Development in the Malaysian construction industry. CREAM is also committed to build partnerships with the industry's stakeholders and researchers while exploring and encouraging the development of a knowledge-based industries as well as ready to meet current demands and challenging changes.

# mission

To make CREAM globally recognized as the leading institute for Research and Development (R&D) that drives quality, innovation, technology and skills towards achieving sustainability in the construction industry.





# what we offer

- Research and Development
- Industry Consultancy and Engagement
- Lab Testing
- Product Certification
- Assessments - QCLASSIC, SHASSIC, MyCREST and Sustainable Infrastar
- Certificate of Approval
- Inspection and Sampling
- Forensic Investigation
- Technical Opinion
- Journal Publication





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# CREAM and YTL Cement Partner Up for Sustainable Construction



by Ts. Intan Diyana Musa



From left: Ir. M. Ramuseren, Chief Executive Office of CREAM, Datuk Ir. Ahmad 'Asri Abdul Hamid, Chief Executive of CIDB, Dato' Sri Michael Yeoh, Managing Director of YTL Cement, and Patrick J. Pereira Executive Director of Batu Tiga Quarry Sdn Bhd

On the 11th of April 2023, Construction Research Institute of Malaysia (CREAM) and YTL Cement, Malaysia signed a Memorandum of Understanding (MoU) to support the transition of the nation's construction industry to sustainable construction.

This MoU marks the beginning of a meaningful collaboration between the Government and industry to achieve construction excellence and promote sustainable practices, which is in line with the nation's 2050 carbon-neutral aspiration. YTL Cement will be supporting CIDB's initiatives in developing the construction industry's workforce, research and innovation, and in enhancing the understanding of sustainable construction practices among the industry players.







“CIDB is dedicated to building Malaysia’s sustainable future by developing a socially and environmentally responsible industry. Through this MoU, we hope to drive meaningful change as we develop the capacity and capability of the construction industry as well as set the standards for sustainable construction practices in Malaysia. We are glad to be able to collaborate with like-minded players like YTL Cement, as we share a common goal to future-proof the construction sector.”

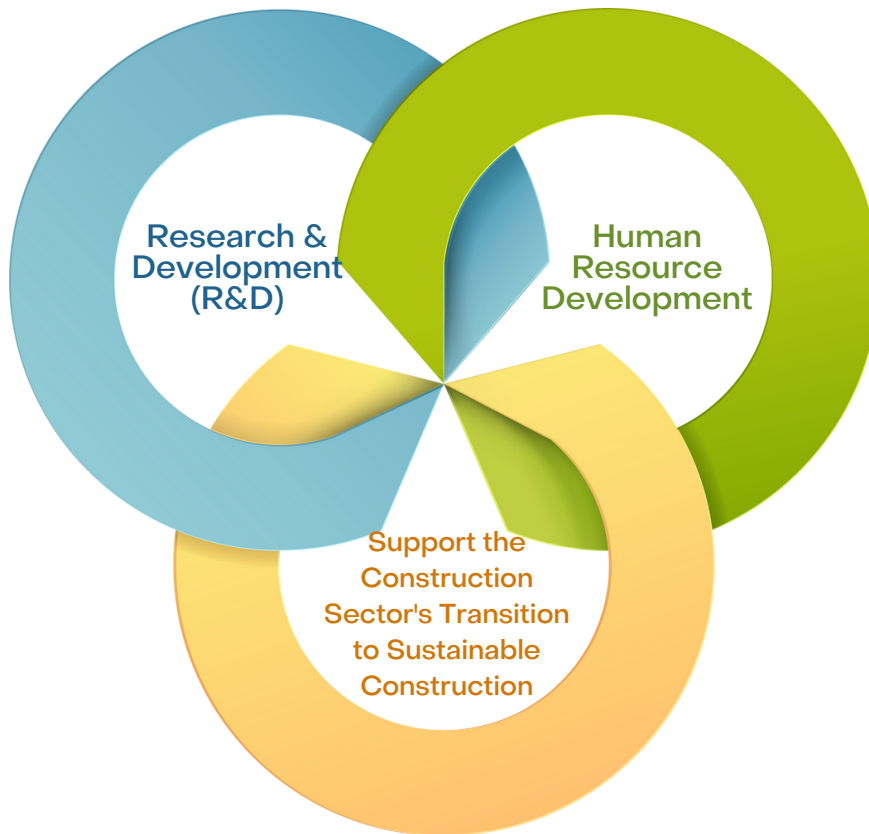
Datuk Ir. Ahmad 'Asri Abdul Hamid,  
Chief Executive of CIDB

“YTL Cement has been part of Malaysia’s growth for over 70 years and we want to continue supporting the nation’s development and construction needs. This collaboration gives us the opportunity to contribute our expertise and experience to support CIDB in their many initiatives.”

Dato’ Sri Michael Yeoh,  
Managing Director of YTL Cement.



The MoU between CREAM and YTL Cement focuses on three key areas: human resource development, research and development, and supporting the construction sector to transition to sustainable construction.



*Three (3) key areas of focus*

### **i) Human Resource Development**

CIDB/CREAM and YTL Cement will collaborate to develop training programmes for youths to become certified as concrete technicians, as well as to develop the training syllabus for accreditation programmes of qualified professionals in operations. It is intended that this will assist in the recruitment, retention, and growth of skilled workers in the construction industry.

### **ii) Research & Development (R&D)**

YTL Cement is offering access to its laboratory and testing facilities. CREAM will collaborate with YTL Cement's team of experts to conduct research and development on lower embodied carbon alternatives in materials and construction methods.

### **iii) Support the Construction Sector's Transition to Sustainable Construction**

CIDB/CREAM and YTL Cement will collaborate to raise awareness about embodied carbon in the construction sector by facilitating dialogues and knowledge transfer among industry practitioners and experts.



# Testing of Iron and Steel Products at CREAM-MKRM



*by Rohani Mokhtar, Syaza Nabilla Mohd Suhaimi & Mohmad Fazli Halim*

Iron and steel are one of the common and widely used construction materials in Malaysia and all over the world. It is relatively affordable and strong and provides alternative solutions to building and structure design and construction, from high-rise buildings to bridges. They have different properties such as toughness, hardness, corrosion resistance, etcetera. The most widely used steels are low-carbon steels that have less than 0.06% carbon. Higher carbon contents are used in steel with higher strengths.

Iron and Steel products are listed in Schedule 4 of CIDB Act 520. Under this category, each product can be sub-categorised into several types of products, namely, hot-rolled carbon steel sheets or plates, coated steel-coils or sheets, pipes and tubes, structural and other iron articles, wire rods, bars and wires, stainless steel products, alloy steel products, cast iron products, and aluminium.

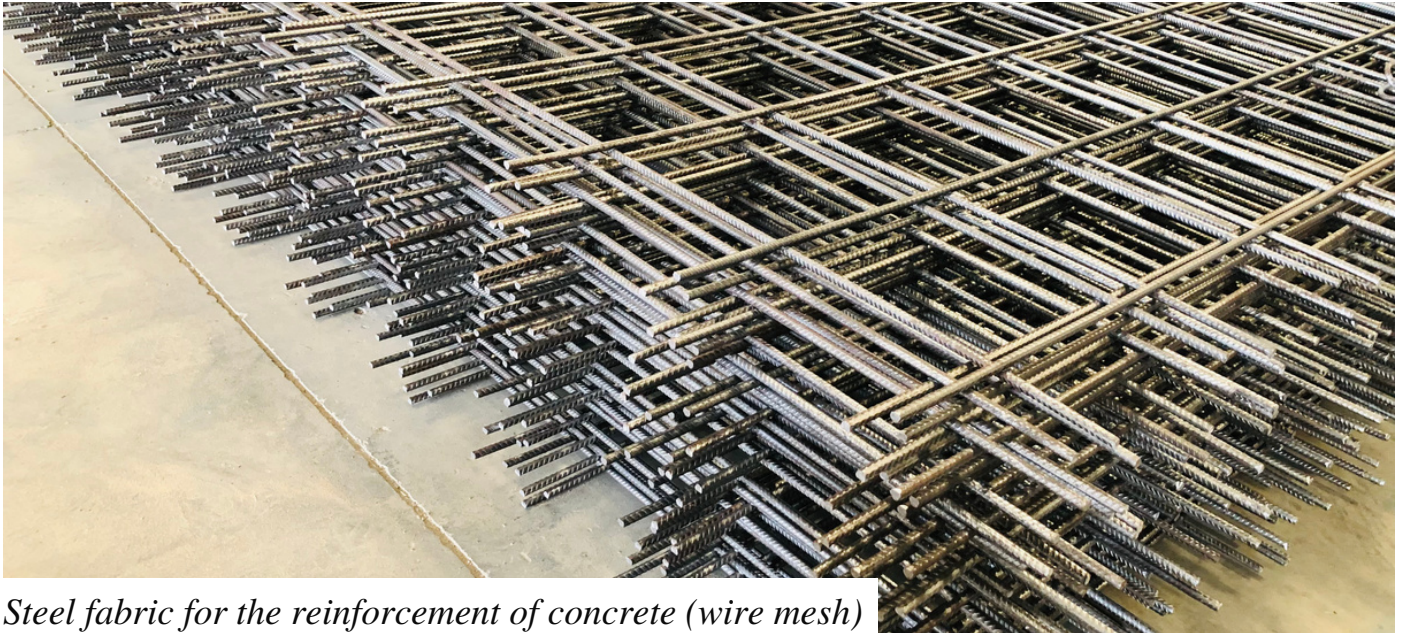
All these products shall be approved, tested and certified to their relevant standards and obtain the Perakuan Pematuhan Standard (PPS) from CIDB. The objective is to ensure that the products comply with Malaysia's Standards or the equivalent international Standards and to avoid the use of substandard materials. PPS can be obtained by the issuance of Product Certification (PC) or Certification of Approval (COA). CREAM is a one-stop service provider for the industry to obtain CIDB PPS for their products through our Inspection, Testing and Product Certification services.

Besides being a comprehensive full-scale structural testing laboratory, MKRM also covers the scope of material testing including Iron and Steel. Our lab is equipped with extensive equipment and facilities ranging from mechanical, chemical composition to full-scale component testing. Regardless of the type of testing, from the typical tensile test on a reinforcement bar to the load test on a full-scale scaffolding system, MKRM is capable to perform the required testing program to suit the industry's needs. Other tests (but not limited to) include tension, compression, bending, torsion, fatigue, relaxation, corrosion, coating, and weathering to name a few.

In this article, we are focusing on two main products of iron and steel, i.e., hot rolled steel reinforcement bar (rebar) and scaffolding & falseworks.

### Hot rolled steel reinforcement bar (rebar)

Rebar is one of the most used materials in the construction industry. They are embedded in concrete to provide additional strength and support to the reinforced concrete structures. This product shall conform to all the requirements of MS 146 as listed in Schedule 4. Rebar also forms as basic materials for steel fabric for the reinforcement of concrete, which is normally known as wire mesh.



*Steel fabric for the reinforcement of concrete (wire mesh)*



*Hot rolled steel reinforcement bar (rebar)*

The mechanical requirement of rebar includes the ultimate strength, yield strength (determination of rebar grade), and elongation at maximum force. All these requirements can be determined by performing a typical tensile test on the specimen. A tensile test is a common test performed not only by the testing laboratory but also by the manufacturer as essential tools to control the quality of the product during the manufacturing process. MKRM is accredited to perform the test in accordance with MS ISO 15630 Pt 1 (2012). Equipped with several universal testing machines (UTM) with a capacity of up to 200 tonnes, MKRM is capable to perform the tensile test on rebar up to 40 mm in diameter, the largest size in today's market although the maximum capacity of the machine is 90 mm.





*Typical tensile test using 2000 kN capacity UTM*

In addition, other mechanical properties of rebar that need to be determined by laboratory testing are fatigue properties and bend performance. The fatigue test is a type of mechanical test that measures the strength and durability of a material under cyclic loading. This test is used to evaluate a material's ability to withstand repeated loading and unloading cycles over an extended period. According to MS 146, rebar tested must achieve 5 million cycles without failure. MKRM is equipped with 2 units of dynamic test machines with the capacity of 20 and 30 tonnes and is able to perform the test up to 25 diameter rebar size, respectively. On top of that, MKRM is also equipped with a Resonance fatigue test machine with a capacity of up to 50 tonnes. This fatigue machine can significantly reduce the testing time and expedite the completion of 5 million cycles.



*Fatigue test on rebar*



## Scaffoldings & Falseworks

Other commonly used products during the construction stage are scaffoldings and falseworks. They are used during construction but are not required to form part of the final completed construction works. This includes the works to stabilise or protect an existing building or structure that is not intended to be permanent and as access for the construction workers and machinery. They are comprised of other components and accessories such as props, platforms, couplers and bracing. Unlike other materials that are listed in Schedule 4, scaffoldings and falseworks are unique as they are being used repeatedly and the usage of used scaffoldings and falseworks are common sights in any project. Due to their distinctiveness and significant role in the construction industry, CIDB has established additional sets of guidelines through its Construction Industry Standard (CIS) on top of other established local and international standards to regulate the safe use of scaffoldings and falseworks.



*Full scale test on A-Frame scaffolding*



*Full load tower test on falseworks*



CREAM-MKRM is capable of performing the full range of laboratory testing on scaffoldings and falseworks as per required in standards such as MS 1462 and CIS 22 and 23, respectively. MS 1462 Pt 1 refers to Steel Frame Scaffolding while MS 1462 Pt 2 is for Tubular Scaffolding. Modular Scaffolding on the other hand refers to MS 1462 Pt 3 and 4. For steel prop, the reference is MS EN 1065 whereas for aluminium prop, BS EN 16031 is set as its guideline. Test on scaffolds and falseworks must also include their various types of components, jointing, and accessories. Throughout the year, MKRM has performed countless tests on components such as post-standard, ledger (transom), brace, adjustable jackbase, adjustable u-head, catwalk or platform, coupler, clamps and many more.



*Load test on staircase*



*Hardness testing machine to determine hardness properties of iron & steel*



*Spectrometer to determine chemical composition of iron & steel*



*Load test of cross brace*





*Corrosion test on scaffolding tube*



*Load test on coupler*

*MKRM is accredited in accordance with ISO/IEC 17025 by the Department of Standards Malaysia, hence, demonstrating our technical capability and competency to conduct laboratory testing to meet standard requirements. For more information kindly browse [www.cream.my](http://www.cream.my)*

# Divergent Dwelling Design (D3)



*by Maria Zura Mohd Zain*



The findings of the study “Affordable and sustainable housing in the Klang Valley” has led to the creation of Divergent Dwelling Design, or D3. In order to address the issue of affordable housing, this study highlights the importance of quality and sustainability. Furthermore, affordable housing can benefit from modern comfort and space design that is more conducive to and compatible with modern life. Correspondingly, the CREAM research arm of CIDB collaborated with Sime Darby Property and G&A architect for the first time on this study. D3 is an innovative plan that bases its construction methodology on the Industrialised Building System (IBS). The inclusion of IBS materials in this home’s build can increase the building’s overall quality, guarantee site safety, shorten the construction duration, and reduce its overall cost.



D3 showcases a novel innovation wherein multi-story dwellings are ideally based on traditional village homes (strata) design. Taking its cue from the traditional ‘Rumah Kampung’, two (2) floorplan options have been created, respectively measuring 900 and 1000 square feet, which are perfect for today’s urban dwellers. Sime Darby Property’s Elmina West development in Shah Alam, Selangor, features two distinct housing options: the 900-square-foot Type C residence and the 1,000-square-foot Type D residence, both are part of the Rumah SelangorKu (RSKU) programme. In addition, the courtyard areas serve the needs of the current residents, applying the sustainability aspect of the design of D3 by highlighting the green terrace.

Accordingly, on the 4th of April 2023, Senior General Manager, Technology Development Sector (SPT), CIDB Pn. Zainora Zainal and her team as well as CREAM delegates led by Pn Maria Zura Mohd Zain were present for a technical visit to view the final result of the D3 house that had been completed, prior to handing it over to the resident. The construction project started in 2019 and was completed in 2023, despite the Covid-19 global pandemic. This home appears to be quite cosy and relaxing due to the ‘Rumah Kampung’ element. The construction results are also of a very high standard and quality. We are proud of the given opportunity and the sharing of the final result by Sime Darby Property. Hopefully, with this achievement, more developers and other construction industry parties will be able to become CREAM partners and cooperate with CREAM. We expect that the other R&D results that are produced by CREAM, apart from the D3, will be used widely by the construction industry.



# NEW LAB TO ANALYSE RAILWAY COMPONENTS

The Star

11 April 2023



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# CREAM, YTL CEMENT TO HELP CONSTRUCTION SECTOR IN TRANSITION TO SUSTAINABILITY

The Sun

11 April 2023

# CREAM, YTL CEMENT INK MOU TO SUPPORT INDUSTRY'S TRANSITION TO SUSTAINABLE CONSTRUCTION

The Star

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# CREAM, YTL CEMENT METERAI MOU PERTINGKAT KEUPAYAAN INDUSTRI PEMBINAAN

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11 April 2023



# YTL CEMENT, CREAM TEAM UP FOR SUSTAINABLE CONSTRUCTION

Bernama

12 April 2023





SUSTAINABLE CONSTRUCTION

# CREAM, YTL Cement seal transition partnership

**KUALA LUMPUR:** Construction Research Institute of Malaysia (CREAM), a subsidiary of the Construction Industry Development Board (CIDB), has signed a memorandum of understanding (MoU) with YTL Cement Bhd to support the construction industry's sustainability transition.

CIDB chief executive Datuk Ahmad 'Asri Abdul Hamid said the two-year MoU marked the beginning of a collaboration between the government and the industry to achieve construction excellence and promote sustainable practices, in line with the nation's 2050 carbon-neutral aspiration.

He said YTL Cement would be supporting CIDB's initiatives in

developing the construction industry's workforce and enhancing the understanding of sustainable construction practices among industry players.

"Through this MoU, we hope to drive meaningful change as we develop the capacity and capability of the construction industry, as well as set the standards for sustainable construction practices in Malaysia.

"We are glad to be able to collaborate with like-minded players like YTL Cement as we share a common goal to future-proof the construction sector," he said at the signing of the MoU, here, yesterday.

YTL Cement managing director Datuk Seri Michael Yeoh said the



(From left) Construction Research Institute of Malaysia chief executive officer (CEO) M. Ramuseren, Construction Industry Development Board CEO Datuk Ahmad 'Asri Abdul Hamid, YTL Cement Bhd managing director Datuk Seri Michael Yeoh and BTQ Sdn Bhd executive director Patrick Pereira after a signing ceremony yesterday. PIC BY SAIFULLIZAN TAMADI

collaboration would enable the company to contribute its expertise and experience to support CIDB's initiatives

"YTL Cement has been part of Malaysia's growth for over 70 years and we want to continue supporting the nation's development and construction needs," he said.

The MoU focuses on three key areas, which are human resource

development, research and development, and transition to sustainable construction.

Moving forward, CIDB and YTL Cement will be forming joint working committees to drive the initiatives under these three key areas.

Ahmad 'Asri said the signing of this agreement symbolised a new partnership between the two organisations to drive innovation,

growth and progress.

He added that the MoU was not just about business or profit, but also creating value for everyone associated with it.

"I believe that all of us share the same feelings of excitement and optimism as we join hands with YTL Cement, and consider the possibilities that will result from this collaboration." **Berna-**

New Straits Time  
12 April 2023

# CIDB kenal pasti 12 teknologi baharu industri pembinaan

Langkah penggunaan teknologi baharu muncul ini menggunakan bahan inovatif akan menghasilkan banyak perbezaan dari segi keselamatan

10 lagi sedang dipromosi bagi tangani isu kualiti, keselamatan

Oleh Mohd Zaky Zainuddin  
zaky@bh.com.my

**Lembaga Pembangunan Industri Pembinaan** (CIDB) mengenal pasti 12 teknologi baharu untuk digunakan dalam industri pembinaan tempatan.

Ketua Eksekutif CIDB, Datuk Ahmad 'Asri Abdul Hamid, berkata selain sistem binaan berindustri (IBS) dan Model Bangunan Bermaklumat (BIM), 10 lagi teknologi sedang dipromosikan bagi menangani isu kualiti, keselamatan dan kemampuan.

"Teknologi baharu khususnya dapat menyokong asas kelestari-

an dan kita promosikan. Langkah penggunaan teknologi baharu muncul ini menggunakan bahan inovatif akan menghasilkan banyak perbezaan dari segi keselamatan," katanya.

Beliau berkata demikian pada sidang media selepas majlis pemeteraian memorandum persefahaman (MoU) antara Institut Penyelidikan Pembinaan Malaysia (CREAM) dan YTL Cement di Kuala Lumpur, semalam.

Yang hadir sama, Pengarah Urusan YTL Cement, Datuk Seri Michael Yeoh dan Ketua Pegawai Eksekutif CREAM, M Ramuseren.

Sementara itu, Yeoh berkata, aspek alam sekitar, sosial dan tadbir urus (ESG) adalah perkara yang sangat penting di seluruh dunia.

Katanya, semua pihak memberi tumpuan kepada aspek ESG bagi menyokong permintaan baharu membabitkan bahan binaan dan keperluan pengawal seliaan berhubung pembinaan hijau bagi menyumbang dari aspek produk

dan modal insan lebih mesra alam.

"YTL Cement telah memainkan peranan penting dalam pembangunan Malaysia selama lebih 70 tahun dan kami nahu terus menyokong pembangunan dan keperluan pembinaan negara.

"Kerjasama dengan CREAM membabitkan kerjasama selama 10 tahun ini memberi peluang kepada kami untuk menyumbangkan kepakaran dan pengalaman kami bagi menyokong CIDB dalam inisiatif pelbagai mereka," katanya.

**Sokong peralihan industri**

Sementara itu, CREAM, sebuah institut di bawah CIDB yang bertanggungjawab dalam penyelidikan dan pembangunan industri pembinaan menjalin kerjasama dengan YTL Cement bagi menyokong peralihan industri pembinaan negara ke pembinaan mampan.

MoU itu melambangkan titik tolak kerjasama yang bermakna antara kerajaan dan industri untuk mencapai kecemerlangan industri pembinaan dan membudayakan

amalan pembinaan lestari, selaras dengan aspirasi neutral karbon negara menjelang 2050.

YTL Cement akan menyokong inisiatif CIDB dalam membangunkan tenaga kerja, penyelidikan dan inovasi industri pembinaan, serta meningkatkan pemahaman tentang amalan pembinaan lestari dalam kalangan penggiat industri.

Mengulas mengenainya, Ahmad 'Asri berkata, CIDB berazam untuk membina masa hadapan Malaysia yang lestari dengan membangunkan industri yang bertanggungjawab dari segi sosial dan alam sekitar.

"Melalui MoU ini, kami dapat memacu perubahan yang bermakna, dalam usaha kami untuk membangunkan kapasiti dan keupayaan industri pembinaan serta menetapkan piawaian untuk amalan pembinaan lestari di Malaysia," katanya.

MoU antara CREAM dan YTL Cement akan menumpukan fokus pada tiga aspek utama: pembangunan sumber manusia, penyelidikan & pembangunan, serta



Ahmad 'Asri Abdul Hamid, Ketua Eksekutif CIDB

menyokong sektor pembinaan untuk beralih ke pembinaan lestari.

Ia membabitkan pembangunan sumber manusia merangkumi penghasilan program latihan beliau yang menawarkan pensijilan sebagai juruteknik konkrit serta membangunkan latihan sukatan pelajaran untuk program akreditasi kakitangan yang berkelayakan dalam operasi.

Selain itu, perjanjian berkenaan membabitkan penyelidikan & pembangunan (R&D) dengan YTL Cement menawarkan akses kepada kemudahan makmal dan ujiannya, manakala CREAM akan bekerjasama dengan pasukan pakar dari YTL Cement untuk menjalankan R&D terhadap alternatif karbon terkandung (*embodied carbon*) yang lebih rendah dalam bahan dan kaedah pembinaan.

Berita Harian  
12 April 2023



# CIDB, YTL Cement to promote sustainability

## Players encouraged to use international technology

### CONSTRUCTION

By DANIEL KHOO  
danielkhoo@thestar.com.my

**KUALA LUMPUR:** Construction Research Institute of Malaysia, a unit of the Construction Industry Development Board (CIDB) Malaysia, and YTL Cement Bhd, will partner to encourage construction excellence and promote sustainable construction practices in the wider sector.

The two parties signed a memorandum of understanding (MoU) for this purpose, which will focus on three key areas – human resources development, research and development (R&D) and supporting the industry's transition to sustainable construction.

"We had a meeting with YTL Cement and we find that they are very serious in promoting sustainability through the use of materials as one of these aspects. We realise the use of key materials to achieve sustainability in the construction industry.

"This is how we decided to collaborate – to promote the use of international standards and technology in the construction industry with the hopes of levelling up the industry," CIDB chief executive Datuk Ahmad Asri Abdul Hamid said at a briefing.

One of the areas of collaboration would also see both parties using YTL Cement's

**"Cement is a product that needs to be certified by CIDB before it can be used in the market."**

Datuk Ahmad Asri Abdul Hamid

lab and testing facilities for the certification of industry players.

"Cement is a product that needs to be certified by CIDB before it can be used in the market.

"We are hoping to use the lab together through this partnership for this certification – any cement manufacturer can use this facility to test and get an accreditation from the Construction Research Institute of Malaysia. We will use this facility to do the necessary tests to ensure standards are complied with," he said.

Meanwhile, YTL Cement managing director Datuk Seri Michael Yeoh said that establishing best practices standards for the industry is made more relevant now as buildings and structures are getting taller and more advanced.

"There is an increasing need for a qualified workforce within the construction industry and greater demand for innovation and bespoke solutions. Another area that is of growing importance is environmental, social and governance.

"As Malaysia's oldest and largest home-grown building materials group, we are actively promoting sustainability in our operations, offerings and activities. These are areas that we want to work with CIDB through this MoU," he added.

Yeoh also noted that one of the key features of sustainable construction is the durability and safety of structures built and constructed with good building materials.

"Like all other businesses, the construction industry has not been spared from escalating input costs. As a result, fly ash is being used extensively by small-site batching plant operators.

"There is a need for regulation and monitoring to ensure that the fly ash used and the concrete produced are compliant to standards to ensure that the strength, durability and safety of buildings are guaranteed in the long term," he said.

Other areas of collaboration include CIDB and YTL Cement jointly designing training programmes for youths to be certified as concrete technicians and developing the training syllabus for accreditation programmes of qualified personnel in operations.

The Star

12 April 2023

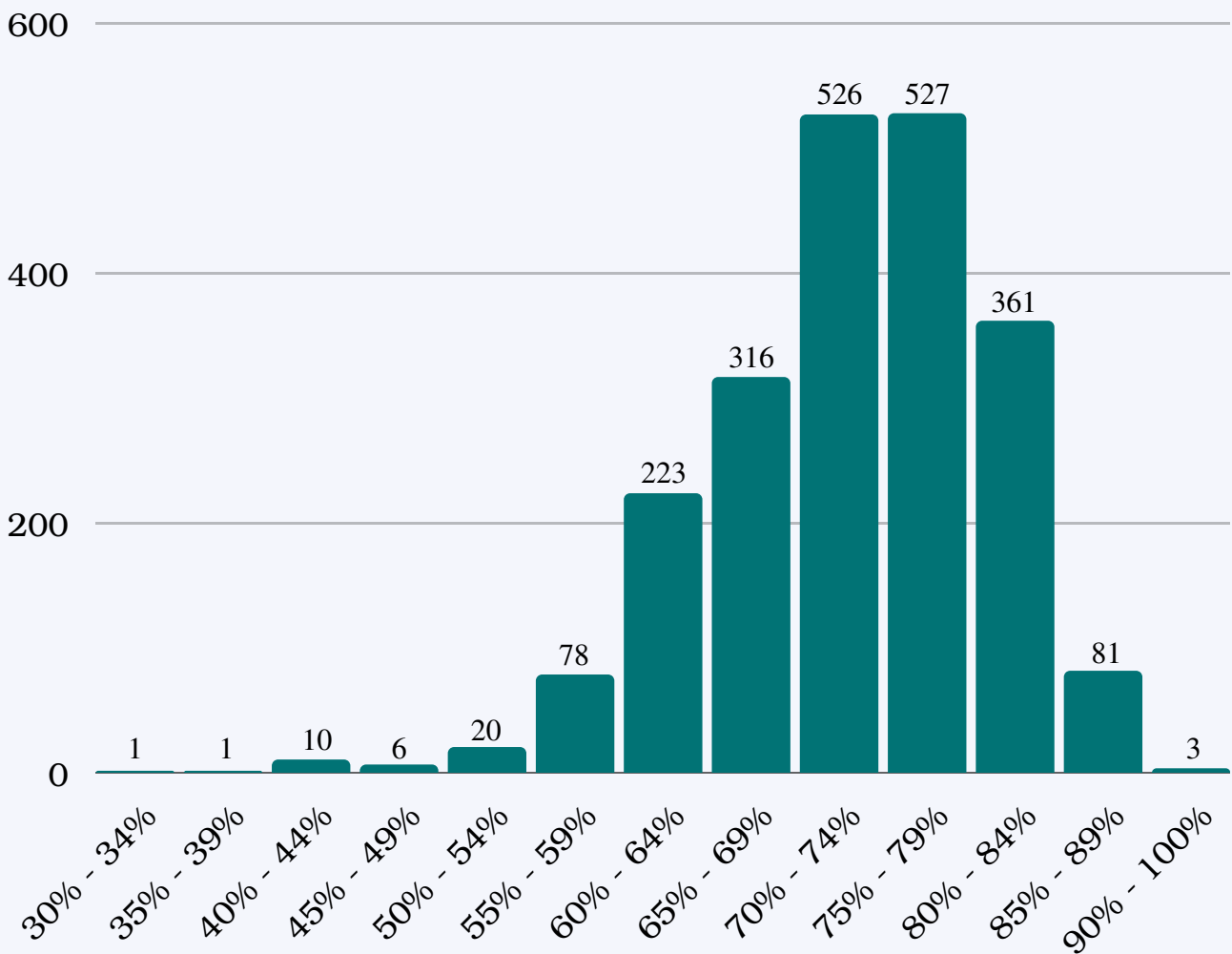


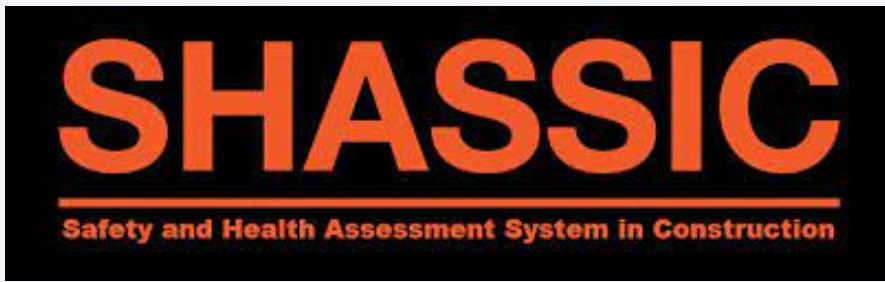


Scan for QLASSIC brochure



■ QLASSIC Score Distribution (2016 - 2022)

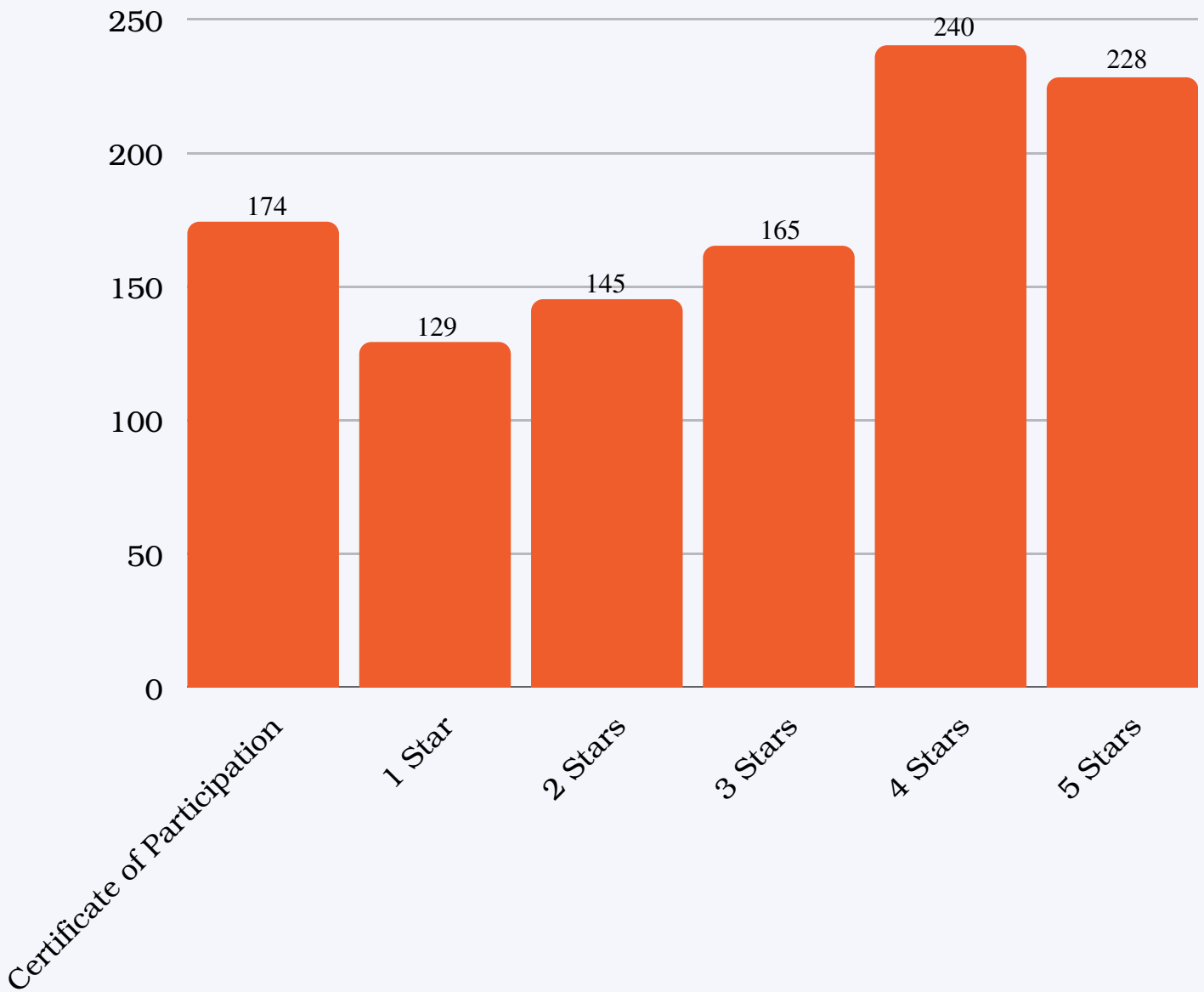




Scan for SHASSIC  
brochure



SHASSIC Score Distribution (2016 - 2022)



For more info and enquiries, contact us at [casc@cream.my](mailto:casc@cream.my)



**CONTROLS**



**highlight  
on April  
activities**

# Highlight on April Activities

## Mesyuarat Penutup Pengauditan Anak Syarikat CIDB Terhadap Pengurusan Kewangan & Pengurusan Aktiviti di CREAM 6 April 2023





# Highlight on April Activities

## Majlis Iftar 2023

14 April 2023

Makmal Kerja Raya Malaysia (MKRM)

The holy month of Ramadan 1444H/2023M continues to be enlivened with an iftar ceremony organised by the Construction Research Institute of Malaysia (CREAM) and Kelab Kebajikan CREAM (KKC).

'Majlis Iftar 2023' was held on 14th April 2023 at Makmal Kerja Raya Malaysia (MKRM). This breaking fast ceremony is the first activity the Kelab Kebajikan CREAM (KKC) organised this year in conjunction with the month of Ramadan. The event is held to spread togetherness, and joy, to foster in individuals the experience of celebrating Iftar in Ramadan. Furthermore, the purpose was to strengthen bonding and encourage dynamic working relationships between CREAM staff and family. More than 100 guests have graced this event.

Also present were the CIDB Chief Executive, Datuk Ir. Ahmad 'Asri Abdul Hamid, CIDB Deputy Chief Executive II, Sr Mohd Zaid Zakaria, CREAM Chief Executive Officer, Ir. M. Ramuseren, CIDB Senior General Manager, and the CIDB Subsidiary Chief Executive Officer.

An opening speech by KKC President and a *tazkirah* by the invited guest Ustaz Arfah Hosnani commenced the event. After which, at fast-breaking all were served delicious foods and drinks such as *Ayam Masak Merah*, *Daging Masak Hitam*, *Ikan Dori Lemon*, *Ayam Golek*, *Roti John* etc. These were prepared and sponsored by CREAM and its staff. As entertainment, *nasyid and zikir* were also played during the eating session while people bonded with one another. Thereafter, led by the invited Ustaz there were the Maghrib, and Ishak, followed by Tarawih prayers.

At the end of the event, CREAM invited CIDB Chief Executive, Datuk Ir. Ahmad 'Asri Abdul Hamid accompanied by CREAM Chief Executive Officer, Ir. M. Ramuseren to distribute 'Duit Raya' to the children in conjunction with the upcoming Hari Raya Aidilfitri celebration.

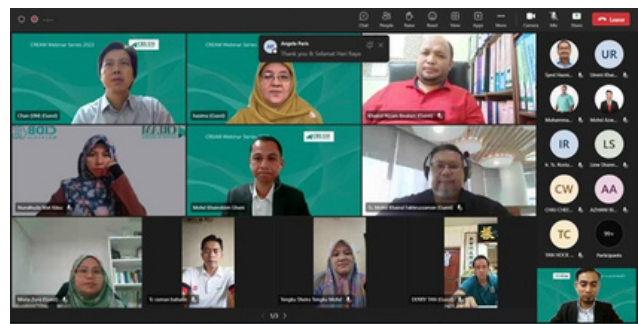
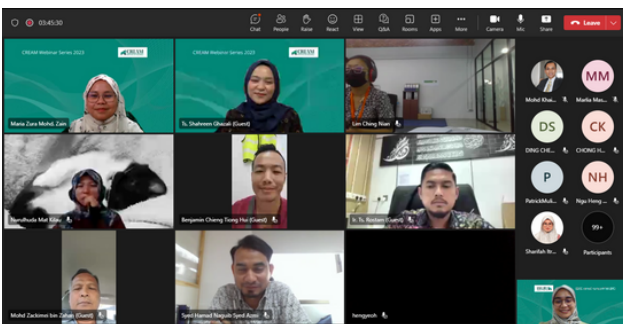


# Highlight on April Activities

## CREAM Webinar Series 2023

CREAM Webinar Series 2023 is a monthly program organised by CREAM and it is a part of our efforts to initiate conversations on issues, challenges, opportunities and initiatives for the construction industry and beyond.

The theme for this month's webinar is "**Setting the Path Towards Construction Productivity Excellence**".



### **Session 1: Government Initiatives in Enhancing Productivity in the Construction Industry** 13 April 2023

Speakers:

- Ts. Shahreen Ghazali  
Senior Manager, Technological Development Sector CIDB
- Ms. Maria Zura Mohd Zain  
Manager, Construction Research Institute of Malaysia (CREAM)

No of participants: 130 pax

### **Session 2: Leveraging Technology and Innovation to Improve Construction Productivity**

18 April 2023

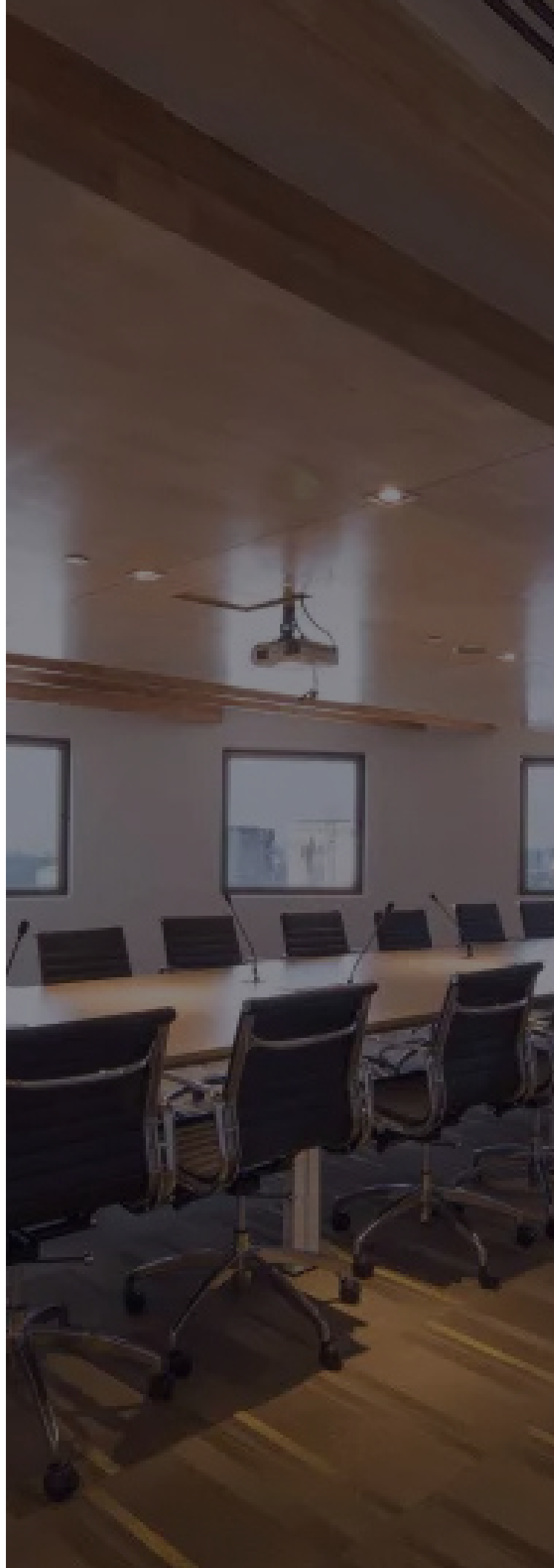
Speakers:

- Ir. Chan Huan Ong  
Senior Manager, IJM IBS Sdn. Bhd.
- Ms. Nor Hasima Hj Che Hassan  
CEO, Tasblock Malaysia

No of participants: 150 pax



# upcoming events



### CREAM WEBINAR SERIES 2023

# Emerging Trends in Asset and Facilities Management Innovation



**10** CCD POINTS PER SESSION



## Session 1: Current Asset and FM Policy and Its Direction in Business Sustainability

25 May | 9am - 12pm



**DR. KHAIRUSY SYAKIRIN HAS-YUN HASHIM**

Senior Lecturer,  
Kulliyah of Architecture and Environmental Design (KAED)  
International Islamic University Malaysia (IIUM)



**REPRESENTATIVE FROM JKR**

Jabatan Kerja Raya Malaysia (JKR)

## Session 2: The Trends in Asset and FM Industry: Where Are We Now?

31 May | 9am - 12pm



**TS DR SAHARANI JAAFAR**

Assistant Secretary  
Malaysian Association of Facility Management (MAFM)



**SR DR NIK ELYNA MYEDA NIK MAT**

Senior Lecturer,  
Faculty of Built Environment,  
Universiti Malaya (UM)



**FEES: RM75**  
(per session) **Student: RM30**

For more info:

[www.cream.my](http://www.cream.my) +603 2779 1479

[marketing@cream.my](mailto:marketing@cream.my)

[creamcidb](https://www.instagram.com/creamcidb) [cream\\_cidb](https://t.me/cream_cidb)

Construction Research Institute of Malaysia



# KURSUS PEMBINAAN BERDAYA TAHAN 2023

LAYAK MENDAPAT MATA  
CCD & CPD

**Tarikh: 30 & 31 Mei 2023**  
**Tempat: CIDB Negeri Selangor, Shah Alam**

## OBJEKTIF

Untuk memberi pendedahan dan melatih pihak industri dan PBT bagi penggunaan garis panduan yang telah dibangunkan oleh CREAM bagi penilaian risiko bencana tanah runtuh dan banjir di sesuatu kawasan sebelum pembangunan diadakan.

## Kursus Pembinaan Berdaya Tahan - Guidelines for Landslide Vulnerability Assessment & Development of Risk Index for Critical Infrastructure in Malaysia

*Selasa, 30 Mei 2023*

## Kursus Pembinaan Berdaya Tahan - Flood Risk Assessment & Flood Vulnerability Index for Critical Infrastructure in Malaysia

*Rabu, 31 Mei 2023*

### Sasaran Peserta:

- ✓ Pihak berkuasa tempatan (PBT)
- ✓ Pemaju
- ✓ Kontraktor
- ✓ Perunding

### PAKEJ YURAN PENYERTAAN

**1 Kursus**  
RM300/pax

**2 Kursus**  
RM550/pax

**Peserta Berkumpulan Min 3 orang**  
RM250/pax/kursus



**DAFTAR SEKARANG**

*\*Guidelines for Landslide Vulnerability Assessment & Development of Risk Index for Critical Infrastructure in Malaysia telah diluluskan oleh Majlis Negara Kerajaan Tempatan (MNKT) ke-79 2022 untuk digunapakai di peringkat Pihak Berkuasa Tempatan*

**Maklumat Lanjut:**

[www.cream.my](http://www.cream.my) +603 2779 1479

[yusrin@cream.my](mailto:yusrin@cream.my)

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## Penceramah:



**Datuk Ir. Hj. Abdullah Isnin**

Mantan Ketua Pengarah,  
Jabatan Pengairan dan Saliran Malaysia



**Dato' Paduka Ir. Dr. Che Hassandi Abdullah**

Mantan Pengarah Kanan,  
CREaTE JKR



**Dato' Zakaria Mohamad, P.Geol**

Pengerusi,  
Geomapping Technology Sdn. Bhd.



**Ir. Hjh. Bibi Zarina Che Omar**

Pengarah Teknikal,  
Dr. Nik & Associates Sdn Bhd



**Dr. Nor Eliza Alias**

Pensyarah Kanan, Fakulti Kejuruteraan Awam,  
Universiti Teknologi Malaysia (UTM)



**Ts. Dr. Mastura Azmi**

Pensyarah Kanan, Pusat Pengajian Kejuruteraan  
Awam, Universiti Sains Malaysia (USM)

*\*Para penceramah adalah terdiri daripada Ahli Jawatankuasa Teknikal bagi Pembangunan Garis Panduan Tanah Runtuh & Banjir serta mempunyai pengalaman yang luas di dalam bidang masing-masing*

*Che Omar*





## DIG.IT.ALL Forum Series

# Embracing Digital Technology

### AIM

Increase awareness among professionals on Construction 4.0

### TOPICS COVERED



Digital Technology in Construction 4.0



What is Digital Architecture?



Future Technology for Construction Industry

### THEME

Digital Architecture in Contemporary

**CCD & CPD POINTS  
(LAM, BEM, BQSM, MBOT)  
APPLIED**

### TARGET GROUPS



Architects



Engineers



Technologists



Planners



Surveyors



Industry players



Academicians

## Day 1: Industrial Forum

7 June 2023, Wednesday

8:15AM - 5:00PM

Venue: Kuala Lumpur

**RM300**  
/pax

**Group:**  
**RM250/pax**  
(min 3pax)

**RM250/pax**  
(for government officials  
& PAM members)

**Student:**  
**RM200/pax**

## Day 2: Technical Visit

8 June 2023, Thursday

8:15AM - 12:00PM

Venue: TBC

**RM50**  
/pax

(limited to 20 pax only - first come, first served basis)

\*Participation of the technical visit is prerequisite of the industrial forum

## Terms of payment

The secretariat will contact you via email and send an invoice for payment purposes. Please make the payment TWO (2) days before the actual event to our bank account. Please note that we do not accept walk-in registration.

Payment details:

Name of company : Construction Research Institute of Malaysia  
Name of bank : CIMB Bank  
Account number : 8000640665

## Register here

Closing date of registration is on  
Monday, 5 June 2023 before  
5.00PM (Malaysia Time)



<https://lnkd.in/gb8mcsSv>



# Industrial Forum

7 June 2023

Venue: Kuala Lumpur

Programme Tentatives - Day 1	Time
Registration	8:15am - 9:20am
Welcoming remarks by CIDB Malaysia	9:20am - 9:40am
Opening speech by PAM President	9:40am - 10:00am
Coffee Break	10:00am - 10:30am
<b>Session 1: Working Collaboratively in the Digital Environment</b>  Moderator: Ar. Idr. Ts. Ridha Razak, <i>Director of Rumah Tangsi &amp; Seetizenplus</i> Speaker 1: Ts. Suffian Shahabuddin, <i>Director of Six Design Office</i> Speaker 2: Ar. Ts. Afi Muhaimin Jamalludin, <i>Director of Studio Kaizen</i> Speaker 3: Mr. Phillip Tan, <i>5D BIM Manager of Perunding Kos T&amp;K Sdn Bhd</i>	10:30am - 12:30am
Q&A	12:30pm - 1:00pm
Lunch and Networking	1:00pm - 2:15pm
<b>Session 2: Digital Architecture: Future Technologies in Line for the Construction Industry</b>  Moderator: Zamir Rashid, <i>Managing Director of Innoveam</i> Panelists: Ar. Ahmad Farik Ghaffar, <i>Principal of Farik Ghaffar Architect</i> Prof. Ir. Dr. Mohd. Khairil Rahmat, <i>Director of Centre of Research and Innovation (CORI) Chancellery, UNIKL</i>	2:15pm - 3:45pm
Q&A Sessions	3:45pm - 4:15pm
Refreshments & End of Programme	4:15pm - 5:00pm





# Technical Visit

8 June 2023

Venue: TBC

Programme Tentatives - Day 2	Time
Registration	8:15am - 9:00am
Briefing/Prep Talk by Site Owner	9:00am - 9:15am
Technical Visit	9:15am - 10:45am
Session Wrap Up & Q&A Sessions	10:45am - 11:15am
Brunch & Networking	11:15am - 12:00pm
End of Programme	12:00pm

## Disclaimer:

Participant registration is through the QR Code. The secretariat will respond within 3 working days. Should you not receive the confirmation email, please contact us immediately.

CREAM as the main organiser reserves the right to replace/change speakers/panelists or itinerary in the best interest of the event. Hence, you will still be charged if your participants don't turn up on the day of the event

Learn more:  [www.cream.my](http://www.cream.my)  +603 2779 1479

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