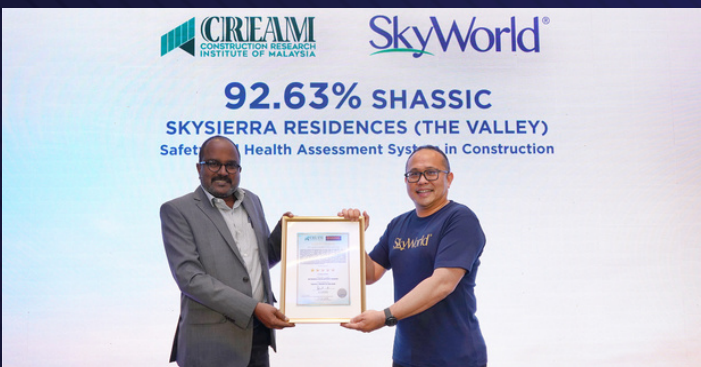


CREAM

e-magazine



- The IHSB Show House Opening Ceremony
- SkySierra Residences (The Valley) - Certification Recognition Ceremony for The Highest QCLASSIC and SHASSIC Achievements
- M Adora – Highest QCLASSIC Score Among Mah Sing's M Series Development
- Contractor's Quality Management System (CQMS)
- Non-Load Bearing Wall Testing Facilities at CREAM-MKRM
- Statistics on QCLASSIC and SHASSIC Assessments
- Highlights on August Activities

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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 – QLASSIC, SHASSIC, MyCREST and Sustainable Infrastar
- Certificate of Approval
- Inspection and Sampling
- Contractor's Quality Management System (CQMS)
- Forensic Investigation
- Technical Opinion
- Journal Publication



contents

05

THE IHBS SHOW HOUSE
OPENING CEREMONY

17

SHASSIC SCORE - THE
STATISTICS

07

SKYSIERRA RESIDENCES
(THE VALLEY)
CERTIFICATION
RECOGNITION CEREMONY
FOR THE HIGHEST QCLASSIC
AND SHASSIC
ACHIEVEMENTS

18

QCLASSIC SCORE - THE
STATISTICS

09

M ADORA - HIGHEST
QCLASSIC SCORE AMONG
MAH SING'S M SERIES
DEVELOPMENT

19

ANNOUNCEMENTS

11

CONTRACTOR'S QUALITY
MANAGEMENT SYSTEM
(CQMS)

22

HIGHLIGHTS ON AUGUST
ACTIVITIES

13

NON-LOAD BEARING WALL
TESTING FACILITIES AT
CREAM-MKRM

33

UPCOMING EVENTS



The IHBS Show House Opening Ceremony



by Ir. Syed Hamad Naguib Syed Azmi and Maria Zura Mohd Zain



The Interlocking Hollow Block System (IHBS) Show House unit located at Jalan Chan Sow Lin, an innovation from a research collaboration between CREAM and UTM, finally unveiled its grand opening ceremony on 8 August 2023, in conjunction with BINA 2023. This highly anticipated event brought together various stakeholders, architects, and industry professionals to witness firsthand the use of the Industrialised Building System (IBS) in CIDB affordable housing standard design.

The opening ceremony was completed by YB Minister of Works Malaysia, Dato Sri Alexander Nanta Linggi, witnessed by Ministry of Works Chief Secretary, YBhg. Datuk Seri Haji Hasnol Zam Zam Bin Haji Ahmad, and CIDB Malaysia Chief Executive, YBhg. Datuk Ir. Ahmad 'Asri Abdul Hamid. Once inside the IHBS Show House, the YB Minister was briefed on the IHBS product, which focuses on IBS and its environmentally friendly products. It was highlighted that the product does not involve burning during production, incorporating an innovative interlocking method of construction (no beam, column and plastering required). The reduction in cost is also suitable for development in rural areas.

HIGHLIGHTS

The ceremony of the IHBS Show House was a resounding success, leaving an indelible mark on all who attended. The event undoubtedly propelled the industry forward, encouraging professionals and enthusiasts alike to push boundaries and explore new possibilities.



SKYSIERRA RESIDENCES (THE VALLEY) CERTIFICATION RECOGNITION CEREMONY FOR THE HIGHEST QCLASSIC AND SHASSIC ACHIEVEMENTS



by Ts. Syed Hazni Abd Gani and Muhamad Azam Azmai

SkyWorld Development Bhd (SkyWorld), an urban property developer with business interests in Kuala Lumpur city, has recently achieved an 86 per cent score in Quality Assessment System in Construction (QCLASSIC) and a 92.63 per cent (5 Star) score in Safety and Health Assessment in Construction (SHASSIC) from the Construction Research Institute of Malaysia (CREAM) for its SkySierra Residences (The Valley). Both scores are the highest scores the company has received to date.



The amazing achievement was celebrated with a certification handing-over ceremony at SkySierra Residences (The Valley) in Setiawangsa, Kuala Lumpur. The Chief Executive Officer (CEO) CREAM Ir. M. Ramuseren presented the certifications to the CEO of SkyWorld, Mr Lee Chee Seng. This ceremony recognises SkyWorld's outstanding achievements that underline the developer's unwavering commitment to upholding excellence in construction, particularly in terms of quality and safety.



SkyWorld has been supporting QCLASSIC and SHASSIC assessments since 2017, and improvements in scoring outcomes can be seen every year. As stated in the SkyWorld brand guarantee, it is SkyWorld's quality commitment to ensure all of its projects receive certification with a QCLASSIC score of 70 per cent to 80 per cent.

HIGHLIGHTS



The Valley is the first phase of the SkySierra mixed-integrated development located next to the AEON Mall AU2. Individual units are designed with practicality and uniqueness in mind, resulting in various configurations ranging between 800 sq. ft and 1,318 sq. ft. One notable feature of The Valley is its dual-key concept units which provide additional privacy and flexibility, making it an ideal option for multi-generational households or rental income opportunities.

Featuring three iconic towers that each stand tall with 48, 43, and 54 floors, respectively, The Valley is the highest residential building built by SkyWorld, to date and the tallest residential building in Setiawangsa. All 1,309 units of SkySierra Residences (The Valley) have been sold.

QLASSIC is an independent method to assess and evaluate the quality of workmanship of building projects based on Construction Industry Standards (CIS 7:2021). A building with a high QLASSIC score has better construction and higher levels of workmanship. SHASSIC is also an independent assessment tool to assess the safety and health at the worksite in construction projects where the assessment covers 25 per cent to 75 per cent of a project's physical progress based on Construction Industry Standard (CIS 10:2020). Currently, both assessment is entirely voluntary.

M ADORA – HIGHEST QCLASSIC SCORE AMONG MAH SING'S M SERIES DEVELOPMENT

Mah Sing Group Berhad (Mah Sing) is a real estate development company. It focuses on the development of residential and commercial projects. The company's commercial property portfolio includes grade-A buildings, mixed commercial developments, and integrated business parks.



Recently, Mah Sing achieved a commendable 85 per cent score in the Quality Assessment System in Construction (QCLASSIC) by the Construction Industry Development Board (CIDB). This is the highest score among Mah Sing's M Series developments. The certification was presented by the Manager of the Construction Research Institute of Malaysia (CREAM), Ybhg. Encik Syed Hazni Abd. Gani, to the Directors of the Mah Sing's Group Strategy and Operations, Ms. Jane Leong and Ms. Rachel Leong.



HIGHLIGHTS

On a celebratory night, Mah Sing's Founder and Group Managing Director, Tan Sri Dato' Sri Leong Hoy Kum, Mah Sing's Group Chief Executive Officer, Datuk Ho Hon Sang, and Mah Sing's Executive Director, Dato' Steven Ng, witnessed the presentation of certifications for the company's remarkable achievements.

Also, M Adora Wangsa Melawati commemorates its early completion and several other notable achievements. Situated a mere 9 km away from KLCC, the fully sold-out M Adora marks Mah Sing's debut residential development in the well-established neighbourhood of Setapak, surrounded by excellent connectivity and ready amenities.

M Adora development comprises a two-tower residence with a total of 677 units, consisting of three unit types – 3-bedroom units, 3+1-bedroom units, and 4-bedroom/dual-key units, in built-up areas ranging from 850 sq. ft to 1,200 sq. ft. The residents of M Adora are treated to breathtaking views of the Kuala Lumpur city skyline and picturesque mountains from their homes. They also have the opportunity to enjoy leisure time on the 29th-floor Sky Bridge and Decks, conveniently connecting Tower A and B.



Contractor's Quality Management System (CQMS)



by Ts. Syed Hazni Abd. Gani

Contractor's Quality Management System (CQMS) CIS 29:2021 is an independent system that evaluates a contractor's quality management implementation based on the Construction Industry Standard (CIS 29). Serving as an affordable alternative to ISO 9001, CQMS is ideal for budget-conscious contractors who prioritize the quality of their work. By choosing CQMS, contractors can maintain quality control, meet client standards, and gain additional benefits for PPK registration in Malaysia. Implementing CQMS also earns contractor's extra points in MCORE/SCORE CIDB assessments for PPK registration.

With a certification fee of RM4000 and a potential 50% subsidy for the first 300 contractors by CIDB, CQMS covers one-day training, documentation for the quality manual, third-party audit, and certification to CIS 29:2021. The audit process is streamlined, taking only one day, and the certification remains valid for three years. Furthermore, CQMS carries equivalent weightage to ISO 9001 for CIDB SCORE/MCORE, making it an attractive and cost-effective choice for contractors in Malaysia, specially designed for their needs.

In addition, with the application and certification of CQMS, the contractor will get two (2) seats free for webinars, and also received every personnel attending will get 10 CCD points.

CQMS Process



Validation

Contractor's Quality Management System (CQMS) is applicable for all G1 - G7 contractors and CQMS Certification is given a validity term of three (3) years from the date of issuance. They can be reviewed as and when necessary subject to the CQMS Assessment Programme.

Benefits of CQMS

- Specialized Evaluation: Tailored assessments based on CIS 29
- Cost-effective: an affordable alternative for contractors, only RM4000, with high-quality standards
- Enhanced Reputation: Maintains rigorous quality control, enhancing credibility
- Smooth PPK Registration: Streamlines registration process for Malaysian contractors
- Extra Points in Assessments: Earns additional points in MCORE/SCORE CIDB assessments
- Streamlined Audit Process: One-day audit minimizes disruptions and saves time
- Long-Term Certification: Valid for three years, ensuring continuous credibility
- Equivalent Recognition: Carries same weightage as ISO 9001 for CIDB SCORE/MCORE
- Free two (2) seats for monthly CREAM Webinar Series: 10 CCD Points per webinar will be given to an attendee (approx. 480 CCD Points per year)

*For more details, please kindly email to
Ts. Syed Hazni Abd Gani at syed@cream.my*

Non-Load Bearing Wall Testing Facilities at CREAM-MKRM



by Wan Norhasiah Wan Bidin, Mohd Azizi Arshad, Ramlee Mohd Kafli, Muhammad Zulharith Zulkefli, Husnul Fikri Afif & Ahmad Muaz Juar

What is a Non-Load Bearing Wall?

A non-load bearing wall is a structural element that does support load and is solely responsible for supporting its own self-weight. Primarily, it serves as a partition wall to separate rooms or areas. Occasionally, it is also employed for decorative purposes. The non-load bearing walls are constructed on a framed structure, responsible for bearing the entirety of the building's loads through its beams and columns. The wall possesses attributes that facilitate its easy removal or relocation without compromising the structural integrity of the building. Non-load bearing walls possess distinct characteristics such as their simplicity, lightweight composition, and expedited assembly process compared to conventional walls.

Non-load bearing walls are commonly built using lightweight materials such as infill walls, dry walls, plasterboards, and cladding. These materials are typically combined with timber studs or metal frames. Various types of non-load bearing walls exist, distinguished by the materials employed and their specific roles within the structure. Interior spaces are provided with flexibility, versatility, and aesthetics by these offerings.

Grade of Non-Load Bearing Wall

There are various classifications of non-load bearing walls which are classified based on various categories of duty based on the partitions' performance and capability in relation to their intended use and specific requirements. The partitions in the BS 5234: Part 2 standard are classified into four (4) distinct categories:

LD - Light Duty

- Wall in this category are intended for minimal risk of accident, damage or misuse to the partition.
- This wall basically with high incentive to exercise care by persons.
- It is suitable for domestic accommodation, offices or similar low-traffic environment.

MD - Medium Duty

- Wall in this category are designed for moderate levels of traffics, impacts and some chances of accident occurring or misuse.
- This wall basically with some incentive to exercise care by persons.
- It is suitable for applications in schools, hotels, and commercial spaces where there is a higher chance of wear and tear.

HD - Heavy Duty

- Wall in this category capable of withstanding significant traffics and impacts. It is frequently used by public.
- This wall basically with little incentive to exercise care by persons.
- Suitable for use in areas with high traffic and potential abuse, such as corridors in public buildings or retail spaces.

SD - Severe Duty

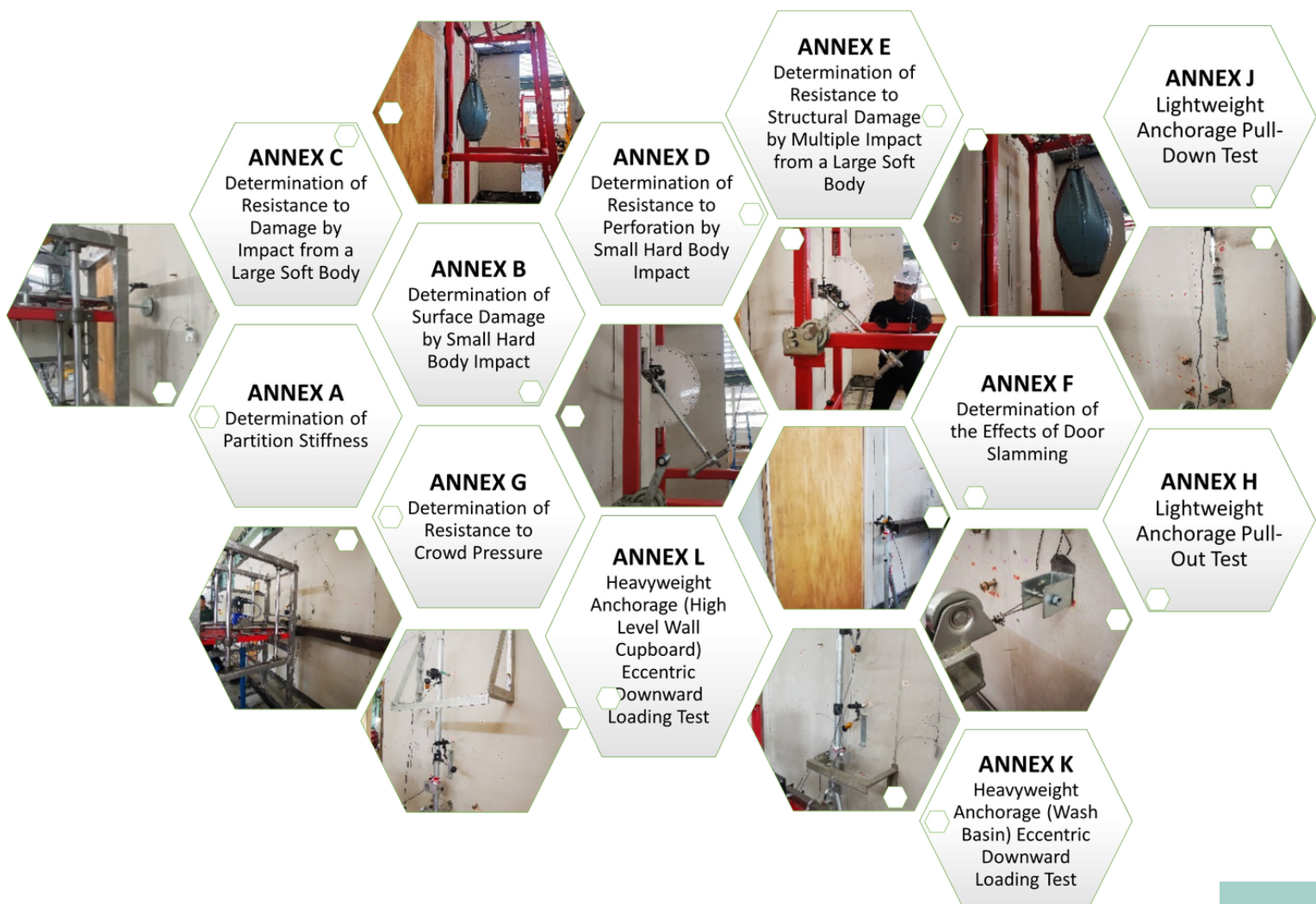
- Wall in this category is designed to withstand severe impact and abuse. it is intensively used by the publics and others.
- This wall basically with little incentive to exercise care by persons.
- It is suitable for areas with high traffic and where there is a risk of deliberate abuse or vandalism, such as hospitals, airports, and public facilities.

The partition grades determine the material and construction of non-load bearing walls. For example, heavy-duty and severe-duty partitions require thicker materials, additional reinforcement, metal studs or framing, and high-impact resistance surface cladding to ensure that the wall can withstand the impacts of human activities. In addition, it is imperative to consider the selection of materials in conjunction with the construction method, ensuring their compatibility with Malaysia's climate and environment. This is crucial in order to attain partitions that exhibit durability, safety, and functionality.

Requirement Testing for Non-Load Bearing Wall

Testing non-load bearing walls is crucial to ensure their safety, performance, and adherence to building codes and standards. Non-load bearing walls are categorised within the Industrialised Building System (IBS) as innovative products.

For these walls to be employed and erected on-site, obtaining approval through the Peraturan Pematuhan Standard (PPS) is obligatory. Manufacturers of non-load bearing walls are required to secure certification via CIS 24 before acquiring PPS approval from CIDB. One of the testing requirements that need to be fulfilled is a performance test for strength and robustness, according to BS 5234-2:1992. In BS 5234-2:1992, eleven (11) tests need to be conducted. The tests are described in the Annexes below:





Conducting tests helps guarantee that non-load bearing walls fit their intended purpose in terms of performance, safety, and quality standards. In addition, all tests conducted are intended to replicate humans' activities towards the partition or wall. Human activities that may cause structural deformation include exerting pressure on the partition by leaning against it or standing on a ladder that is leaning against it (as outlined in Annex A's Partition Stiffness Test), movement of trolleys, wheelchairs, and equipment (as indicated in Annex B and D's hard body impact test), and from individuals colliding with the partition (as demonstrated in Annex C and E's Soft Body).

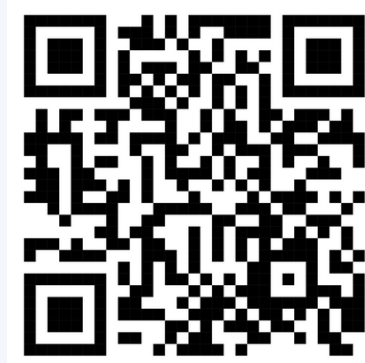
The partitions should undergo testing to ensure compliance with local building codes, regulations, and industry standards and to provide confidence in the partition's performance (in strength and robustness).

What Does CREAM-MKRM Offer

In Malaysia, only a few laboratories offer the specific testing services we provide, and we are proud to be one of them. Makmal Kerja Raya Malaysia (MKRM), located in Jalan Chan Sow Lin, Kuala Lumpur, is fully equipped with state-of-the-art testing facilities to conduct all tests listed in BS 5234-2:1992.

As we understand the importance of efficiency and accuracy in testing processes and to ensure that your testing requirements are met to the highest standards, we provide comprehensive facilities and competent staff. At MKRM, we have a team of competent personnel who are experts in conducting BS 5234-2:1992 tests. In addition, we have invested in advanced equipment, including a motorised testing rig, an overhead crane with a 20-ton capacity, and a forklift with a skilled driver, all of which are provided to our clients to ease the burden of sample setup.

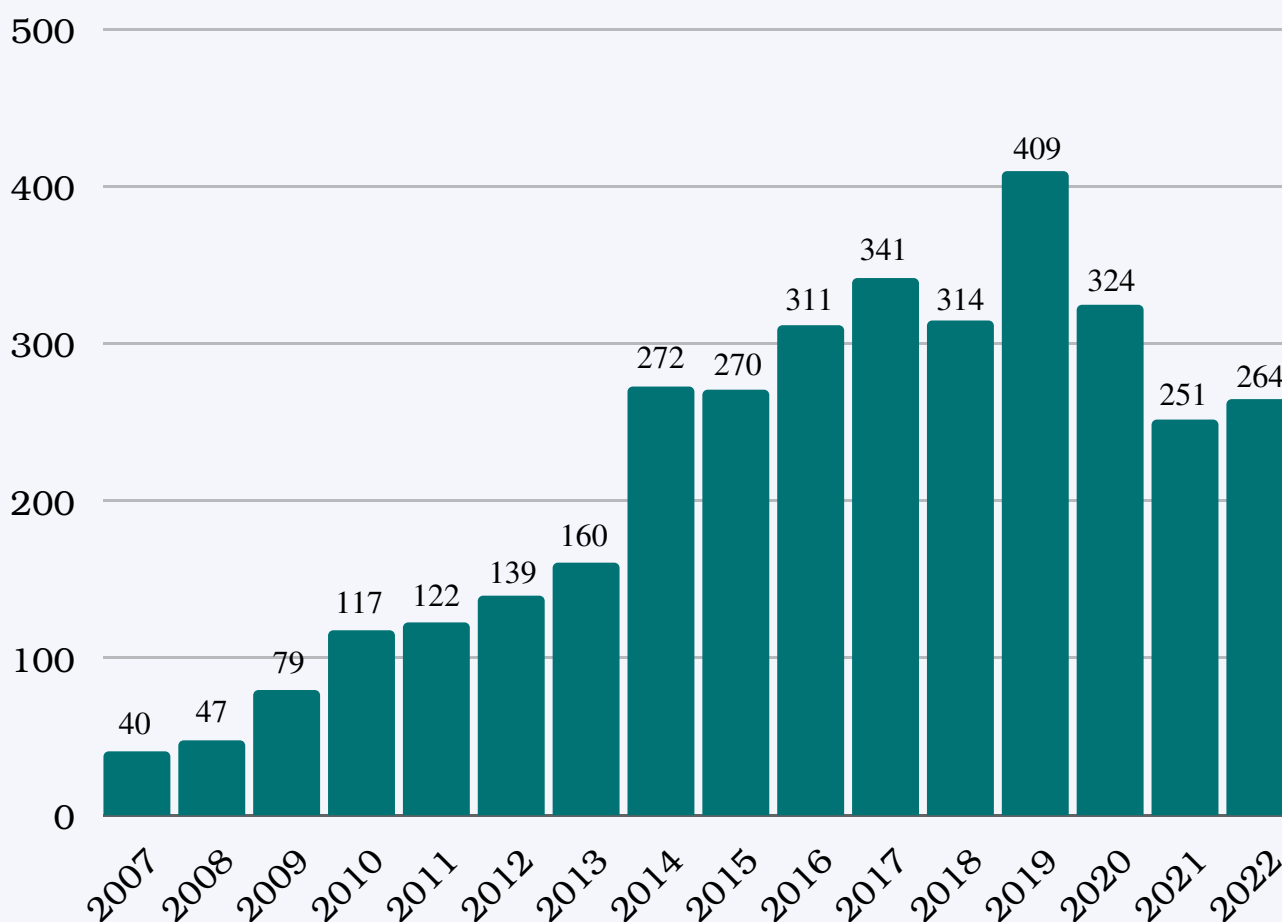
If you are interested in availing our testing services or have any inquiries, please do not hesitate to contact us. We would be happy to discuss how we can best support your endeavours.

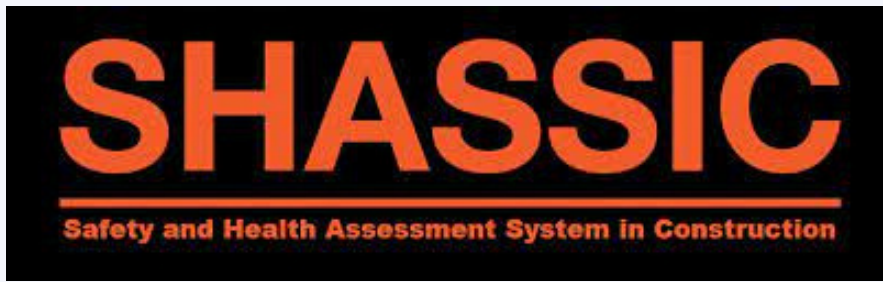


Scan for QLASSIC
brochure

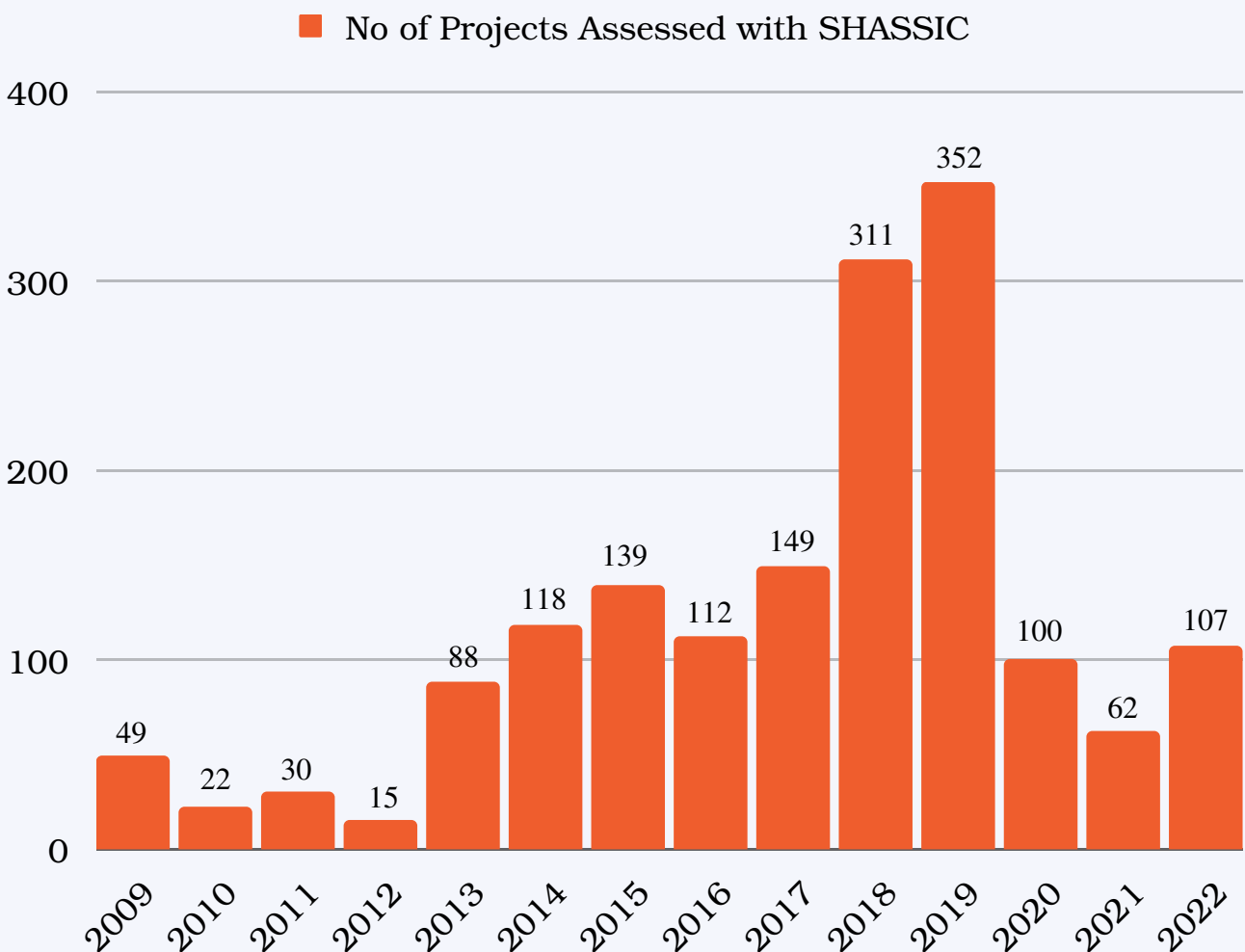


■ No of Projects Assessed with QLASSIC





Scan for SHASSIC
brochure



For more info and enquiries, contact us at casc@cream.my

news and announcements





Sr. MOHD ZAID BIN ZAKARIA

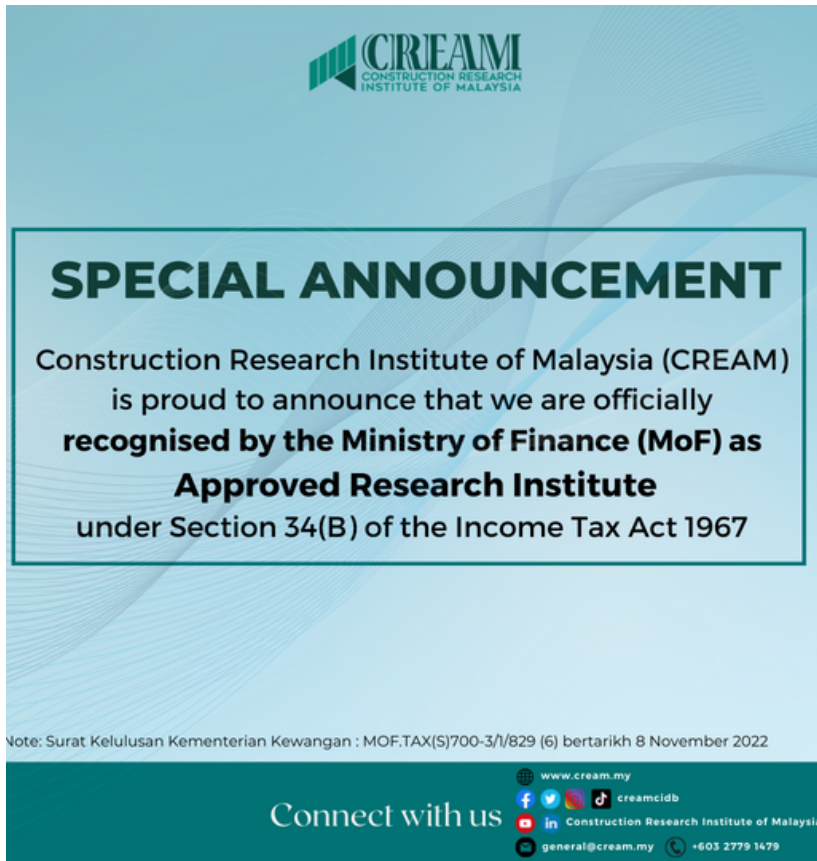
Di Atas Perlantikan Sebagai
KETUA EKSEKUTIF
CIDB MALAYSIA
Berkuatkuasa 1 September 2023

Ikhlas Daripada

Ir. M. Ramuseren
Ketua Pegawai Eksekutif
Dan Warga Kerja
Construction Research Institute of Malaysia

   @creamcidb  www.cream.my

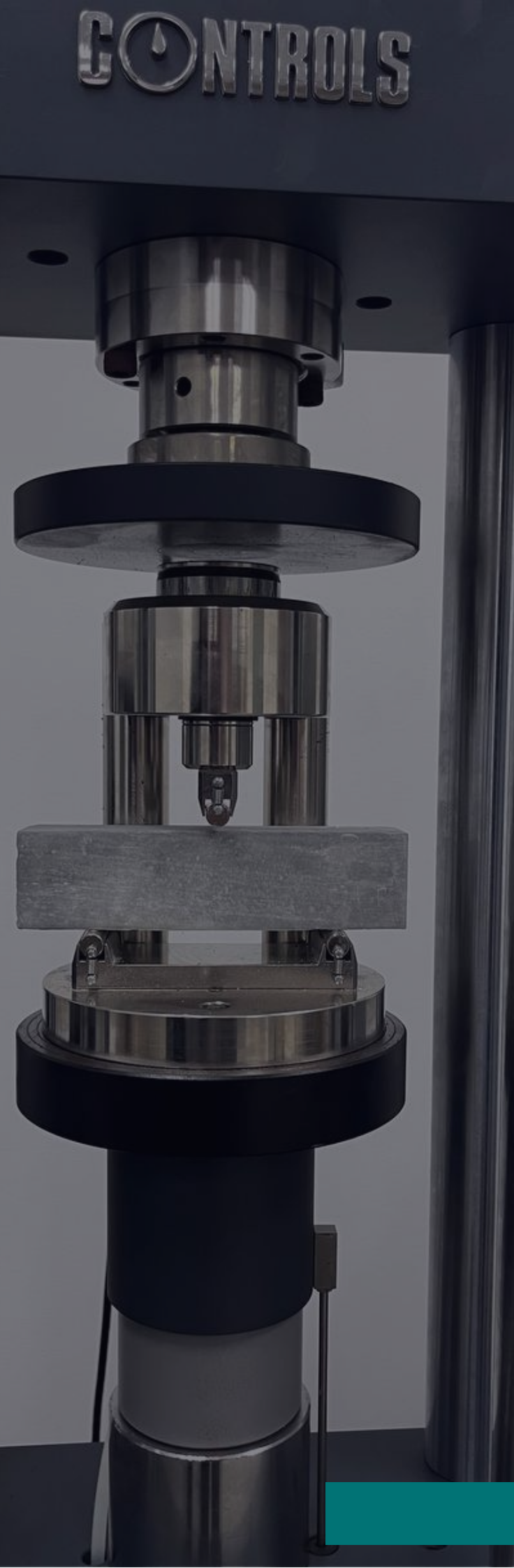
CREAM offers our heartiest congratulations on the appointment of Sr. Mohd Zaid Zakaria as Chief Executive of the Malaysian Construction Industry Development Board (CIDB) with effect from 1 September 2023.



CREAM is officially recognised by the Ministry of Finance (MoF) as Approved Research Institute under Section 34(B) of the Income Tax Act 1967.

With this status, any person/company that makes a contribution/payment to CREAM is eligible for a double tax deduction. Double tax deduction is applicable for the following expenditure.

- Cash contribution for research activities
- Payment for the use of research services



highlights on August activities

Highlights on August Activities

CQMS Module Validation Workshop In Genting Highlands

Date : 6-8 August 2023

Venue : Geo Hotel & Resort, Genting Highland Pahang



On 6 to 8 August 2023, CREAM organised a ‘Validation Module of CIS 29:2021 CQMS’ workshop at Geo Resort & Hotel, Genting Highlands. In the workshop, the Contractor’s Quality Management System (CQMS) offered a structured framework by establishing clear and cohesive principles of requirements, supported with guidelines in annexes for ease of reference and use. The CQMS also shared structured quality requirements for contractors in dealing with tendering, construction planning, procurement, construction works, and post-construction processes, enabling continuous improvement and timely delivery of quality projects.

The workshop was attended by personnel from the Construction Industry Development Board Malaysia, Ministry of Works Malaysia, Public Works Department Malaysia, Master Builders Association Malaysia, Persatuan Kontraktor Bumiputra Malaysia, Persatuan Kontraktor Malaysia, Universiti Teknologi Malaysia, and ISO practitioners.

The objective of the workshop was to validate and verify the training module and slide presentation for trainers and auditors. The validation for the CQMS template and the question bank were discussed during the workshop.



Highlights on August Activities

CIDB CONSTRUCTION LAW REPORT ROADSHOW 2023

Date : 7 August 2023

Venue : Universiti Sains Malaysia, Pulau Pinang



The CIDB Construction Law Report (CCLR) is a compilation of construction case laws adjudicated between January and December each year. Construction Research Institute of Malaysia (CREAM) has assisted CIDB in compiling construction court cases, appointing commentators, and editing and publishing CCLR since 2018.



CREAM has been entrusted by CIDB to promote CCLR, especially among contractors and developers, with the aim of mitigating construction disputes by leveraging past court cases that share similar issues. This could save a lot of money and increase construction productivity at the same time.

CCLR consists of rulings from three levels of courts: the High Court, the Court of Appeal, and the Federal Court. Crucial points and facts of these cases are summarised and presented in simple language for the reader's understanding. The choice of this case is upon its status as a landmark case, which has had a lasting effect on the application of a certain law, often concerning organisational rights and liberties.



The roadshow for the Standard Form of Contract for Building Works 2022 Edition, organised by CIDB, was organised in 2023. CIDB extended the invitation to CREAM to participate in the marketing and promotion activities of the CCLR for the period spanning from 2016 to 2021. The roadshow encompassed five states, namely Pulau Pinang, Pahang, Johor Bahru, Sarawak, and Sabah. The inaugural roadshow was organised at the Universiti Sains Malaysia (USM) campus in Pulau Pinang on 7 August 2023, while roadshows in other states are scheduled for October 2023.

Highlights on August Activities

CREAM -MKRM Laboratory Tour 2023

Date : 21 August 2023

Venue : Makmal Kerja Raya Malaysia,



It's a pleasure to have representatives from Cement Industries of Malaysia Berhad (CIMA) and UEM Sunrise to visit our CREAM-MKRM last 21st August 2023.

The main objective of the visit is to learn more about our testing facilities and services, and to discuss future collaboration opportunities. The visit was very productive and allowed the visitors to gather valuable information about the latest technology available at CREAM MKRM.

Thank you for joining us and making this visit a success. Our team at CREAM-MKRM is so glad to meet with you in our lab. We hope to cooperate with you soon as your business partner.

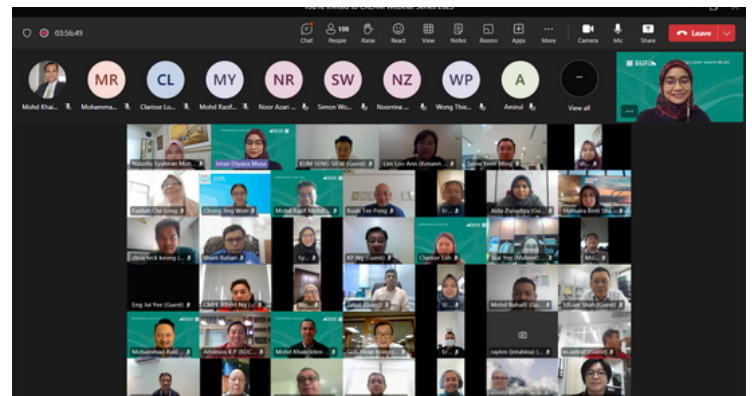
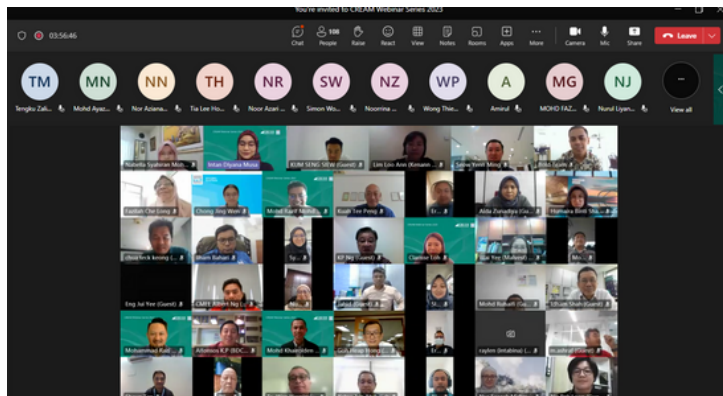
We are always open to visitors, so drop by and say hi! We would love to introduce our facilities and services to you.

Highlights on August 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 "**Environmental, Social and Governance (ESG) for the Construction Industry**".



Session 1: ESG- What It Is and Why Is It Important for Construction Industry?

22 August 2023

Speakers:

- Mr. Faiz Adri
Managing Director, Lebtech Energy
- Ms. Alice Zuriah Asidah Abdullah
Group Sustainability Strategy Lead, KPJ Healthcare Berhad
- Mr. Anand Sampathraman
Director Sustainability & Industry 4.0, Tata Consultancy Services

No of participants: 63 pax

Session 2: Building Better Sustainably with ESG in the Construction Industry

24 August 2023

Speakers:

- Mr. Mohd Razif Mohd Yusoff
General Manager, Safety & Sustainability Sime Darby Property Berhad
- Ms. Clarisse Loh
Head of Sustainability, YTL Cement Berhad
- Mr. Mohammad Razi Rahiman
Senior Manager Sustainability, UEM Sunrise Berhad

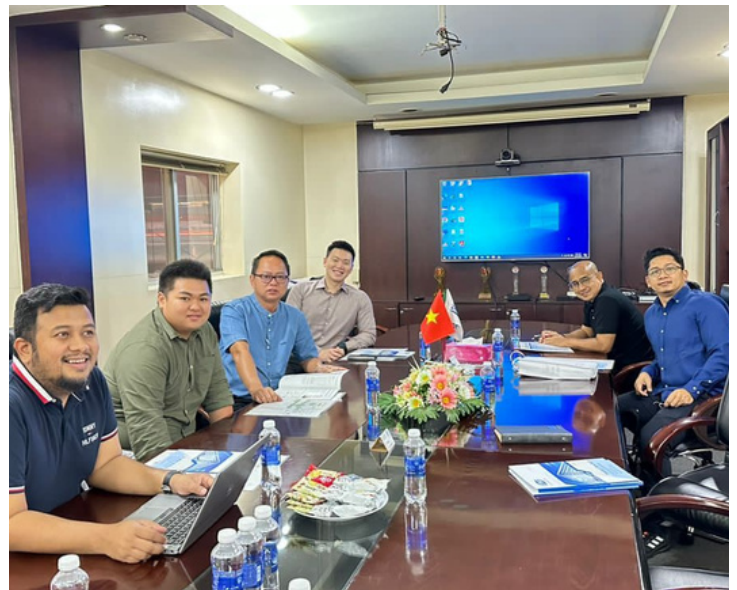
No of participants: 107 pax

Highlights on August Activities

Surveillance and Renewal Assessment of CIS 24:2023

Date : 22nd – 25th August 2023

Venue : Hanoi and Ho Chi Minh City, Vietnam



CREAM and CIDB IBS Sdn Bhd have jointly conducted a surveillance and renewal assessment of CIS 24:2023 for Zamil Steel Buildings Vietnam in Hanoi and Ho Chi Minh City from 22 to 25 August 2023. The purpose of these surveillance and renewal assessments was to examine the documentation and production processes at the factory based on the checklists outlined in the CPA and CIS 24:2023. The objective was to verify that the procedures and work instructions were consistently followed throughout the process and that the equipment and tools were properly maintained and calibrated.

Highlights on August Activities

Developing CIDB Facilities Management (FM) Strategic Plan (CFMP) 2024: New Game Changer Ahead in Construction

Date : 25th August 2023

Venue : CREAM, Level 29 Sunway Putra Tower



The Construction Industry Development Board (CIDB) Malaysia is currently in the process of formulating a strategic plan for Facilities Management (FM) 2024. The initiative is a part of the CIDB Strategic Plan 2025 (CSP), which aims to elevate Facilities Management (FM) as a transformative force within the construction industry. Therefore, the mandate to develop the CIDB Facilities Management Strategic Plan 2024, also known as CFMP, was bestowed upon CREAM by CIDB.

The third focus group discussion (FGD) for CFMP was held at CREAM's main meeting room in Sunway Putra Tower. The discussion was chaired by Ts Dr Hj Mohd Khairolden Ghani, the Manager of the Construction Industry Consultancy Division. The FGD was held to obtain consensus from the committee members based on the findings from the last FGD held at Park Inn by Radisson, Kajang. The main objective of this FGD was to gain agreements on current issues and challenges regarding FM in Malaysia and construct a strategic plan for the short, medium, and long term.



FGD was assisted by the College of Built Environment, UiTM Shah Alam as a research associate. It was attended by committee members from various FM players in Malaysia, namely the personnel from the Royal Institution of Surveyors Malaysia (RISM), Jabatan Kerja Raya (JKR), Ministry of Health, as well as academicians and FM practitioners. All the participants were very supportive and contributed key takeaway information for the development of the FM Strategic Plan 2024. All the inputs gathered in this FGD are to be brought to the next FGD that will take place in September 2023. The CFMP is expected to be completed by the conclusion of the current year.



Highlights on August Activities

CIS 29:2921 Training Seminar At Seri Pacific Hotel, KL

Date : 25th August 2023

Venue : Seri Pacific Hotel, Kuala Lumpur



On 25 August 2023, CREAM organised a training seminar on CIS 29:2021 for selected contractors involved in the pilot project for the certification of the Contractor Quality Management System (CQMS). The contractors for the pilot project were chosen using a first-come, first-served approach via the hyperlink provided during the preceding CIS 29:2021 CQMS webinar.

This training seminar, delivered by Mr. Ir. M. Ramuseren, involved a total of 20 selected G1 to G7 contractor companies. Among the companies were Nadi Cergas Sdn Bhd, Ekovest Construction Sdn Bhd, MGB Construction & Engineering Sdn Bhd, and LFE Corporation Berhad. It aimed to expose the companies with knowledge about the certification audit process for CQMS. Topics covered included an introduction to CIS 29 CQMS, a comparison between CQMS and ISO 9001, document requirements for General Management Requirement (GMR) and Construction Management Requirement (CMR), and SOP for CQMS Certification.

During this seminar, contractors had the opportunity to prepare and ensure the completion of all requisite documentation prior to audits conducted by auditors appointed by CREAM. This seminar facilitated the successful implementation of a quality management system within their respective organisations.



Highlights on August Activities

Site Visit: Construction of Additional Block using Prefabricate Volumetric Module (PVM) Technology at SK Taman Scientex, Pasir Gudang, Johor

Date : 29th August 2023

Venue : SK Taman Scientex, Pasir Gudang, Johor



The construction of an additional building at SK Taman Scientex, comprising a total of 78 modules, is now completed, with the successful installation of 19 modules as of 28 August 2023. During a recent visit, representatives from various organisations, including the Innovation Technology Division (BTI) of CIDB, JKR, CREAM, and E-Construct, witnessed the installation of another module.

The construction contractor of the building, Kapar Jaya Sdn Bhd, stated that a maximum of 4 modules can be installed in a day, requiring only a workforce of 15 people. All 78 modules for the construction of the building were built off-site by Acre Works in their factory in Hulu Langat for a duration of 3 months. All 78 modules were then delivered and installed on-site.

The objectives of the site visit to SK Taman Scientex were to:

1. Conduct PMT data verification for its additional block project, which utilised PVM.
2. Conduct a case study of PVM module installation.
3. Apply BIM 500 to LOD 400 for the school's additional block project.

PVM is anticipated to be a viable approach for advancing building construction practices, as it holds the potential for enhancing productivity, upskilling the Malaysian workforce, and mitigating dependency on foreign labour.

Thanks to JKR Johor Bahru for extending the site visit invitation to CREAM to install PVM modules at SK Taman Scientex, Pasir Gudang, Johor, on 29 August 2023.

Highlights on August Activities

Reviewing Contractor Management Courses in Construction using Training Need Analysis (TNA)

Date : 30th August 2023

Venue : Bangi Resort Hotel. Bandar Baru Bangi, Selangor.



Since 2007, CIDB has invested a lot of funding in developing contractor training modules. The aim is to build and uphold the capacity of local contractors to be more competitive and skilful through the acquisition of outstanding knowledge.

It is observed that the knowledge among contractors remains low. Currently, CIDB Malaysia is developing modules for contractor management courses in the construction industry that are relevant to the current situation and clients' needs. Accordingly, CREAM is mandated to conduct further research for the modules or Training Need Analysis (TNA) based on the needs of the clients.

The second focus group discussion (FGD) for TNA was held and chaired by Ts. Dr. Hj. Mohd Khairolden Ghani, the Construction Industry Consultancy Division manager. This project was supported and assisted by the College of Engineering, UiTM Shah Alam as a research associate. The main objectives of the FGD were to obtain all the needs and requirements needed and establish a consensus to enhance the contractors' modules.

The FGD was attended by organisations that represented clients, namely Suruhanjaya Perkhidmatan Air Negara (SPAN), Jabatan Landskap Negara, Jabatan Alam Sekitar, and representatives from local authorities. All the participants were eager to provide the information needed in order to enhance and improve the modules. All the inputs gathered in this FGD will be brought to the next FGD, which will take place in September 2023. The TNA is expected to be completed in November 2023.



Highlights on August Activities

Construction & Built Environment Digital Transformation Pathway Roundtable Discussion

Date : 30th August 2023

Venue : CREAM, Level 29, Sunway Putra Tower, Kuala Lumpur



In Malaysia, the construction industry is rapidly changing as the country progresses. We want to express our appreciation to the Construction & Built Environment Productivity Nexus (COBEPN) for inviting CREAM to take part in the Construction & Built Environment Digital Transformation Pathway Roundtable Discussion. The event was hosted by COBEPN on August 30th, 2023, at the Bangi Resort Hotel in Bandar Baru Bangi, Selangor.

Our goal was to assess and confirm the effectiveness of a digital solution for twenty-two construction activities chosen from the Malaysian Standard Industrialised Classification (MISC) code. The digital solution was divided into three categories: basic, intermediate, and advanced. We then identified the minimum digital solution needed for each activity. By aligning construction activities with digital solutions, companies can evaluate their current level of digital integration and move towards the next stage.

The process of digital transformation involves implementing innovative technologies to automate tasks and enhance productivity within organisations. The construction industry can benefit from these digital technologies by optimizing efficiency and streamlining operations. By using digital solutions, construction companies can improve their performance, reduce costs, and achieve better results. Thus, it is crucial for the industry to embrace digitalisation to remain competitive and meet the evolving needs of customers in a dynamic business environment.



upcoming events

CREAM Webinar Series 2023

Enforcement on Scaffolding and Falsework for Safer Construction Sites

CREAM WEBINAR SERIES 2023

Enforcement on Scaffolding and Falsework for Safer Construction Sites



10 CCD POINTS
PER SESSION

Session 1: *Perakuan Pematuhan Standard (PPS)* for Scaffolding and Falsework

26 Sept / 9am - 12pm



Ts. Nor Hamiza Zahar
Senior Manager,
Construction Industry Development Board Malaysia (CIDB)



Muhammed Asraff bin Abdul Rahman
Manager,
Construction Research Institute of Malaysia (CREAM)



Ir. Ng Kian Seng
Technical Director,
Sumi-Tech Industrial Supplies Sdn. Bhd.



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Session 2: Regulations on Scaffolding and Falsework in Malaysia

27 Sept / 9am - 12pm



Ts. Ir. Louis Tay
Deputy President,
Technological Association Malaysia (TAM)



Ahmad Hazim Abdul Rahin
Manager,
Construction Research Institute of Malaysia (CREAM)



Ts. Syed Hazni Abd. Gani
Manager,
Construction Research Institute of Malaysia (CREAM)

FEES:

(per session)

RM75
(PER PAX)

Student:

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GROUP REGISTRATION:
(MIN 3 PEOPLE PER GROUP)

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KURSUS PEMBINAAN BERDAYA TAHAN 2023



25 MATA CCD (2 KURSUS)
10 MATA CPD (1 KURSUS)

Tarikh: 4 & 5 Oktober 2023
**Tempat: Dewan Bandaraya Kuching
Utara, Sarawak**

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

Rabu, 4 Oktober 2023

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

Khamis, 5 Oktober 2023

Sasaran Peserta:

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- ✓ Pemaju
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1 Kursus
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2 Kursus
RM350/pax

Peserta Berkumpulan Min 3 orang
RM150/pax/kursus



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

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Mantan Ketua Pengarah,
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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

Day 1: Industrial Forum

18 October 2023, Wednesday | 8AM – 5PM | Bayview Hotel, Georgetown, Penang

Session 1

Sustainable and Smart Building: Where are we now in Malaysia?

SPEAKER 1:

Ir. Dr. Muhammad Arkam Che Munaaim
Chief Executive Officer, Mega Jati Academy

SPEAKER 2:

Ir. Ooi Zi Xun
Chairman, Malaysia Green Building Council (Northern Chapter)

SPEAKER 3:

Ms. Josephine Tan Mei Ling
General Manager, Penang Green Council

Session 2

Strategic Approach in Enhancing Digitalization Capabilities in Malaysia

SPEAKER 1:

Dr. Mohd Zaliman Mohd Yusoff
Chief Digital Officer, TNB IIsas

SPEAKER 2:

Prof. Dato' Dr. Ahmad Farhan Sadullah
Professor of Transportation Engineering, Universiti Sains Malaysia

SPEAKER 3:

Ts. John Lim Ji Xiong
Executive Director, Digital and Innovation, Gamuda Engineering and Gamuda Land

Day 2: Technical Visit

19 October 2023, Thursday | 8AM – 12PM | Penang

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Programme

Time

Registration	8.00 am – 9.10 am
Welcoming remarks by CIDB	9.10 am – 9.20 am
Opening Speech by BEM	9.20 am – 9.30 am
BEM Special Talk on CCC Online Submission	9.30 am – 10.00 am
Refreshment and Networking	10.00 am – 10.30 am
Session 1: Sustainable and Smart Building: Where are we now in Malaysia?	10.30 am – 12.30 pm
Q&A Session	12.30pm – 1.00pm
Lunch and Networking	1.00 pm – 2.15 pm
Session 2: Strategic Approach in Enhancing Digitalization Capabilities in Malaysia	2.15 pm – 3.45 pm
Q&A Session	3.45 pm – 4.15 pm
Refreshment & End of Programme	4.15pm - 5.00 pm



DIG.IT.ALL Forum Series

EMBRACING DIGITAL TECHNOLOGY

Day 2: Technical Visit

19 October 2023, Thursday | 8AM – 12PM | Penang

Programme

Registration

Briefing/Prep Talk by Site Owner

Technical Visit

Session Wrap Up & Q&A Session

Brunch

End of Programme

Time

8.00 am – 9.00 am

9.00 am – 9.15 am

9.15 am – 10:45 am

10:45 am – 11:15 am

11.15 am – 12:00 pm

12 pm

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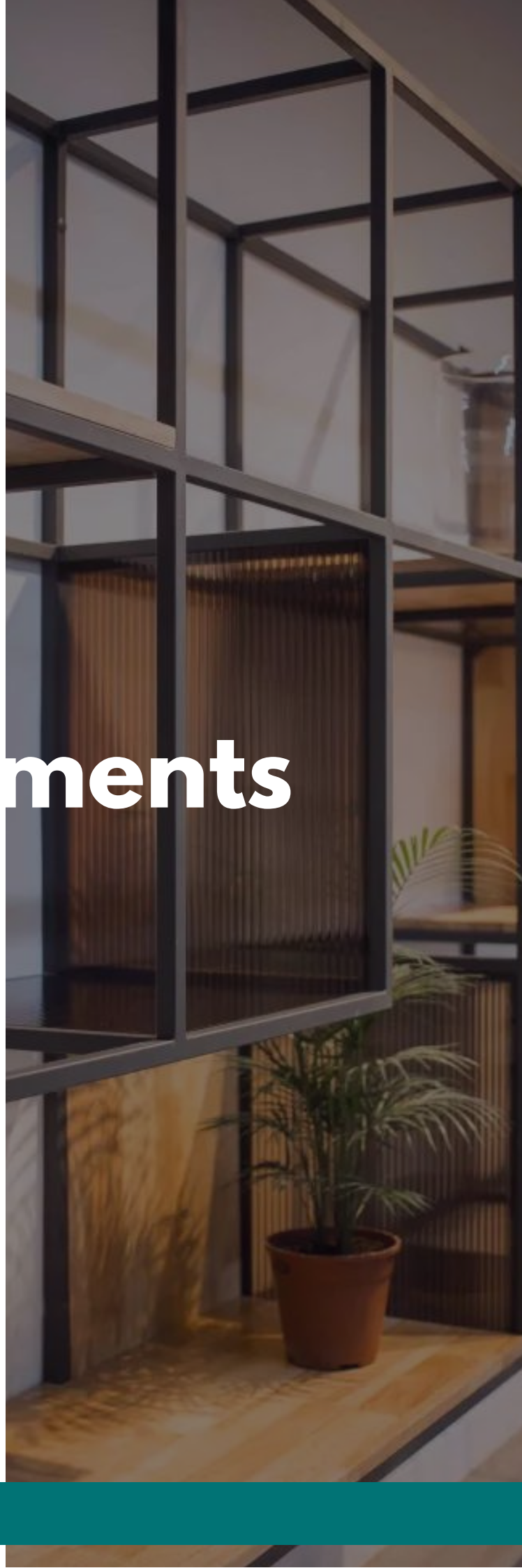


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