



COMPANY PROFILE



Welcome.

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1.0 About Us

Construction Research Institute of Malaysia (CREAM) was established on 26 March 2004 as a Company Limited by Guarantee (CLBG) under the Companies Act 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 as stipulated in 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 construction sector. 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 by offering testing, assessment and certification services to the 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.

Construction
Research
Institute of
Malaysia(CREAM)



2.0

Our Vision

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.

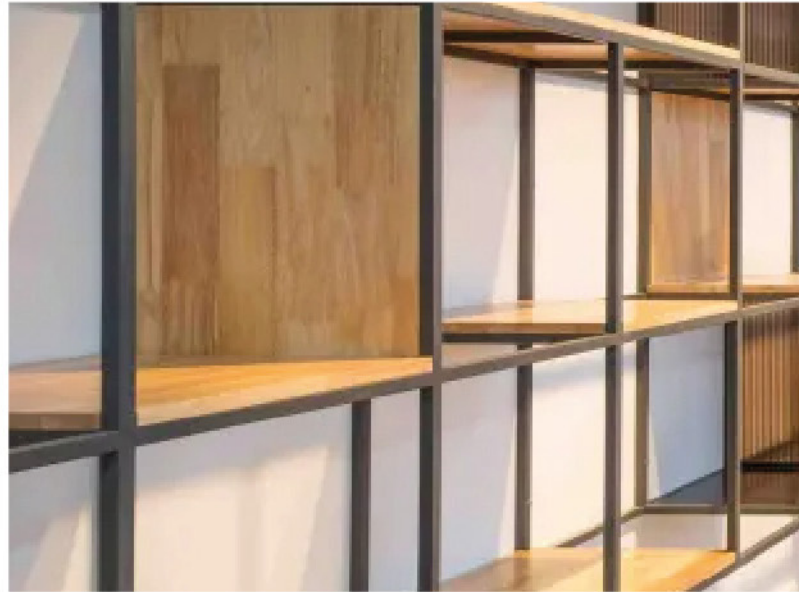
Our Mission

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.



3.0

Our History



2004



CREAM was established on 26 March as a company limited by guarantee under the Companies Act 1965.

CREAM fully operated as a company

2006



2009



- Establishment of Makmal Kerja Raya Malaysia (MKRM) by CIDB.
- CREAM operations moved to Jalan Chan Sow Lin

CREAM is certified with ISO 9001: 2008 for Quality Management System (Scope of R&D Management)

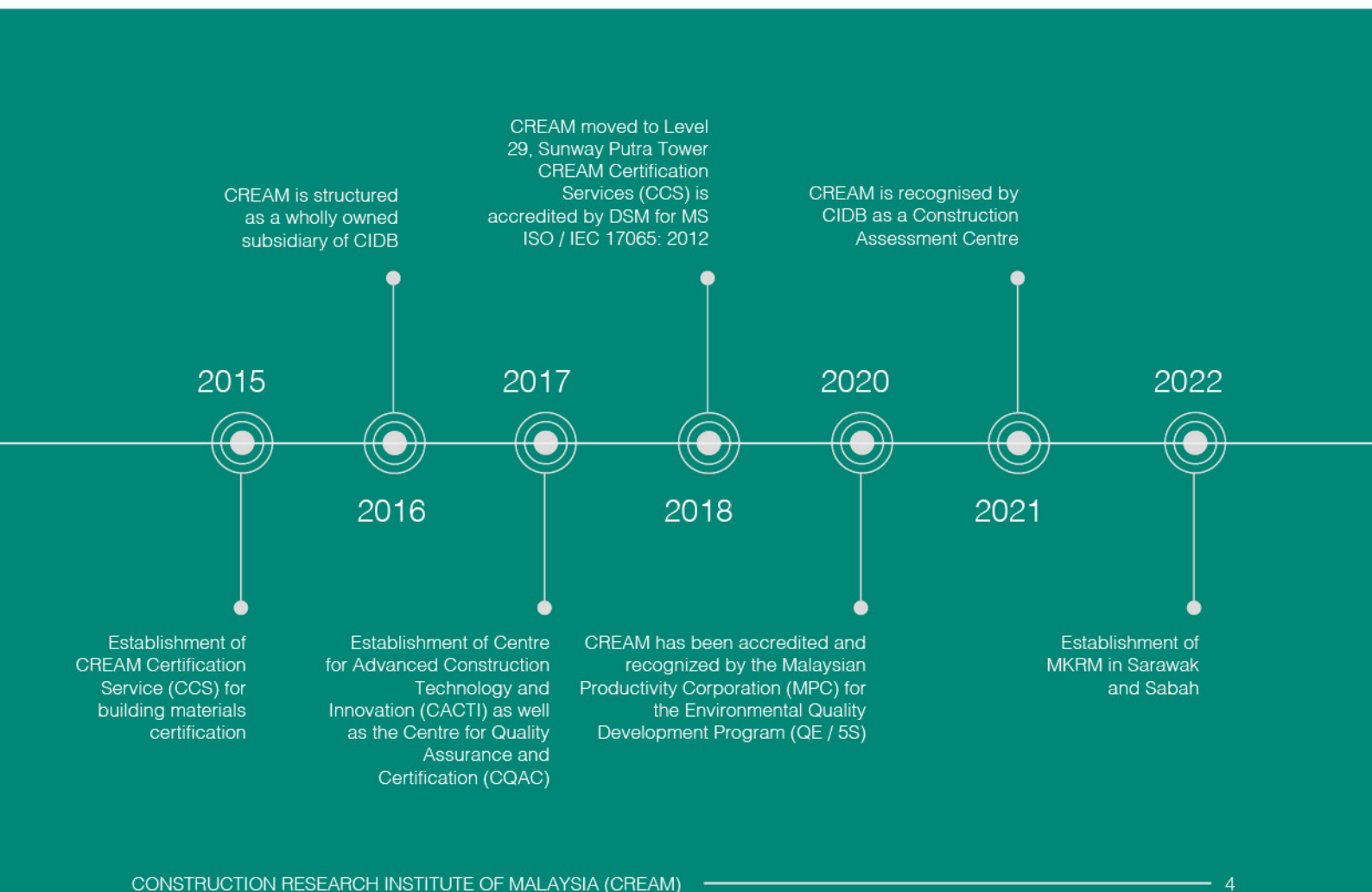
2011



2012



MKRM is accredited with ISO / IEC 17025: 2005 (Scope of materials testing)



4.0

Board of Trustee



TUAN HJ. IR.
ALHADI BIN
IBRAHIM

Chairman
Managing Director
of Konsortium Malaysia



DATUK IR.
AHMAD ASRI
BIN ABDUL
HAMID

Deputy Chairman
Chief Executive
of CIDB Malaysia



PUAN ZAINORA
BINTI ZAINAL

Member
Senior General Manager,
Technology Development
Sector, CIDB Malaysia



DATO' HAJI
AZMAN BIN
HAJI YUSOFF

Member
Presiden of Persatuan
Kontraktor Bumiputera
Malaysia



SR. AHAMD
FARRIN BIN
MOKHTAR

Member
Senior General Manager,
Policy & Corporate
Sector, CIDB Malaysia

5.0 Top Management



IR. M. RAMUSEREN
Chief Executive Officer



MARIA ZURA BINTI
MOHD ZAIN

Manager

Centre for Advanced
Construction Technology
and Innovation (CACTI)

MUHAMMED ASRAFF
BIN ABDUL RAHMAN

Manager

CREAM Inspection
& CoA Services (CICS)



TS SYED HAZNI
BIN ABD. GANI

Manager

Centre for Quality
Assurance and Certification
(CQAC)

TS INTAN DIYANA
BINTI MUSA

Manager

Strategic Development
and Marketing



AHMAD HAZIM
BIN ABDUL RAHIM

Manager

Makmal Kerja Raya
Malaysia (MKRM)

MOHD SYARIZAL
BIN MOHD NOOR

Manager

Asset and Facility
Management



MOHD
AIZUDDIN
BIN AYOB

Manager

Corporate

TS DR HAJI KHAIROLDEN
BIN GHANI

Manager

Construction Industrial
Consultancy





DIVISIONS



BOARD OF

CHIEF EXECUTIVE

TESTING IN
AND CERTIFICA

RESEARCH AND
CONSULTANCY SECTOR

CENTRE FOR
ADVANCED
CONSTRUCTION
TECHNOLOGY
& INNOVATION
(CACTI)

Research;
(i) Advanced
materials
(ii) Technology
(iii) Innovation

CONSTRUCTION
INDUSTRIAL
CONSULTANCY

Technology
Transfer;
(i) Knowledge &
Resources
(ii) Commercialisation
(iii) Collaboration

MAKMAL KERJA
RAYA
MALAYSIA
(MKRM)

(i) Testing
(ii) Forensic

CENTRE FOR
QUALITY
ASSURANCE &
CERTIFICATION
(CQAC)

(i) Assessment
(ii) Product
Certification
(iii) CPA/Technical
Opinion

TRUSTEE

MANAGING OFFICER

INSPECTION
AND
REGULATION SECTOR

MANAGEMENT SECTOR

CREAM INSPECTION
& COA SERVICES
(CICS)

- (i) Certificate of Approval
- (ii) Inspection

CORPORATE

- (i) Admin & Human Resources
- (ii) Finance
- (iii) Procurement
- (iv) Communication & Corporate Governance
- (v) Quality Management System

ASSET AND FACILITY
MANAGEMENT

- (i) Assets Management
- (ii) Facilities Management
- (iii) IT Management
- (iv) Maintenance

STRATEGIC
DEVELOPMENT AND
MARKETING

- (i) Strategic Development
- (ii) Marketing
- (iii) Public Relations
- (iv) Performance Monitoring

CREAM PRODUCTS AND SERVICES





6.0 Product & Services

1. RESEARCH AND DEVELOPMENT (R&D) AND CONSULTANCY

CREAM provides consultancy services to CIDB as well as the industry players. CREAM undertakes analysis and research on the pressing issues of the country's construction industry and based on that analysis and research, provides practical policy recommendations that will improve the quality, productivity, and effectiveness of the construction industry by the following activities:

Carrying rigorous impartial research and analyses founded on facts and data.

Conducting workshops, round tables, conferences and talks for subject matter experts, policy makers, thought leaders and interested members of the public.

Proposing and advocating research findings in policy recommendations.

1.1 RESEARCH CLUSTER

1. ADVANCE MATERIALS

Economic, environmentally friendly & quality construction materials and products

2. TECHNOLOGY

Industrialisation, advanced construction process, mechanisation, and digitalisation

3. INNOVATION

Enculturing innovation to transform the construction industry

1.2 TECHNOLOGY TRANSFER

1. KNOWLEDGE & RESOURCES

Harnessing knowledge to build capability and capacity of society

2. COMMERCIALISATION

Promote, patent and commercialise R&D product



IHBS

3. COLLABORATION

Collaboration with construction industry stakeholders to nurture the adoption of R&D on technology and innovation

2. TESTING SERVICES

TESTING

We offer over 10 years of experience, providing a broad range of services to clients around the globe.

Our global network of laboratories and testing facilities, staffed by knowledgeable and experienced personnel, help you to reduce risks, shorten time to market and demonstrate the quality and safety of materials, components, or products.

Full scale structure testing is our main forte. We can test all type of structures such as wall, slab, scaffolding, beam, etc. Other than that, we offer wide range of construction material testing services and railway testing services.



Scan for more info on
Makmal Kerja Raya Malaysia



Scan for more info on
railway testing services

3. ASSESSMENT AND CERTIFICATION SERVICES

3.1 ASSESSMENTS

3.1.1 QLASSIC

An independent assessment tool to measure and evaluate the workmanship quality of a building construction work based on Construction Industry Building (CIB: 2014 Quality

Assessment System for Building Construction Works).

QLASSIC enable quality of workmanship in that project to be objectively measured through a scoring system. National Housing Policy (2018 -2025) under Focus No.2 which is to emphasize QLASSIC Certification for all new public and private housing projects.



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3.1.2 SHASSIC

An independent assessment tool to assess the safety and health at the worksite in the construction projects where the assessment covers 25% to 75% of a project physical progress.



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SHASSIC Assessment is currently using CIS 10:2022 (latest revision since CIS 10:2018) where it is inclusive of construction planning stage and construction stage



3.1.3 MyCREST

MyCREST, or the Malaysian Carbon Reduction and Environmental Sustainability Tool, aims to guide, assist, quantify, hence reduce, the built environment's impact in terms of reduced carbon emissions and environmental impact, while considering a more holistic life cycle view of the built environment. It also aims to integrate socio-economic considerations relating to the built environment and urban development.



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3.1.4 Sustainable INFRASTAR

Sustainable INFRASTAR stand for Sustainable Infrastructure Rating Tool where it applies an objective and evidence-based rating system that assesses the following conditions:

1. Land use planning and management
2. Resource management
3. Energy and water management
4. Biodiversity and other ecosystem services
5. Social and cultural protection
6. Stake holder coordination



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3.2 CERTIFICATION

3.2.1 Product Certification

The Standards Malaysia has accredited CREAM as a Certification Body (CB) in compliance with International Standard ISO/IEC 17065.

CREAM provides product certification services for building and construction material listed in the Fourth Schedule Act 520 CIDB (Amendment 2011). These services help the Malaysian Construction Industry players in fulfilling Certification of Approval (COA) and Perakuan Pamatuhan Standard (PPS) requirements by the Construction Industry Development Board (CIDB).



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3.2.2 Construction Product Approval

CREAM also provides certification for construction products in the construction industry mainly for four IBS Categories which are metal framing system, timber framing system, reusable formwork system, and innovative system that do not have specific standards. These services help the IBS players in fulfilling Construction Product Approval (CPA), which has been modelled based on international recommended practice, as an alternative certification scheme to assess and certify these products to enable each of the product in all categories apply for CIS 24:2018 - IBS Manufacturer and Product Assessment and Certification (IMPACT).



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4. OTHER TECHNICAL SERVICES

4.1 TECHNICAL OPINION

Being driven by the Ministry of Works (MoW) through the Construction Industry Development Board Malaysia (CIDB), a strategic plan named Construction Industry Transformation Programme (CITP) is formulated.

A programme called IBS Manufacturer & Product Assessment & Certification (IMPACT) is introduced to carry out CITP's objectives providing Verification, Validation, Testing and Certification of products and components related to IBS in accordance with CIDB standards. Therefore, Construction Research Institute of Malaysia (CREAM) as an institution certified by CIDB carry out assessment and appraisal of innovations of products and

technology related to construction and to publish its finding in the form of Technical Opinion (TO).

The objectives include to transform the construction industry to be highly productive, environmentally sustainable, with globally competitive players while focused on safety and quality standards.

Selection of innovative products or new technologies to be evaluated would be based upon products that do not have reference to Malaysian Standard (MS) or Foreign Standards. In a way, TO approve that third-party independent testing or assessment has been carried out on the product in question.

4.2 INSPECTION

With an experience of about 10 years, with inspection and sampling activities conducted at warehouses, factories, and points of entries locally and abroad, CREAM has conducted over 300 inspection and sampling activities to date. The inspection and sampling exercise is conducted to determine that the materials are in accordance with CIDB's ACT 520 Schedule 4 requirements. We also provide services with wide variety of certification bodies and regulatory agencies.

Services Offered;

1. Inspection and sampling
2. Arrangement of testing for Certification Bodies/Regulatory agencies/CIDB PPS Application

4.3 FORENSIC

As of December 2016, CREAM has been involved with CIDB to assist in investigation and enforcement activities which requires collaboration with local University and Industry experts.

CREAM's forensic team is supported by our extensive range of laboratory equipment's suited for the construction industry in line with CIDB Fourth Schedule under act 520(Amendment 2011) which gives CIDB the authority to control and regulate the quality of construction materials produced locally or imported through certification process.

Services Offered;

1. Sampling and data collection
2. Identification and Preservation of Physical evidence
3. On-site and laboratory testing
4. Root cause analysis through testing and diagnostics



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