Paving Towards a Sustainable Environment Through Public and Private Collaboration
Who are involved in MyCREST?
Construction Industry Development Board (CIDB) was established to regulate, and to enforce construction related regulation to ensure the quality and safety of construction work.

Ministry of Works (MoW) of Malaysia oversees all construction related matter for both public and private sector.
Construction Industry is **CRUCIAL** to the Economy

- 120+ Industries Growth Rely on Construction Industry
- 9.5% (1.2 Million) Workforce including Registered Workers and Professionals
- 90% are SME, Sizeable Entrepreneurial Activity
- RM500b in Project Value (2011-2014)
- Contribute 4% to Malaysian Gross Domestic Product (GDP) and is expected to contribute 5.5% to Malaysia GDP up to 2020
CONSTRUCTION INDUSTRY TRANSFORMATION PROGRAMME
2016 - 2020
Driving Construction Excellence Together

www.citp.my
Expected Outcomes from 4 Strategic Thrusts of the CITP

**Quality, Safety & Professionalism**
- Quality, safety and professionalism ingrained in industry culture
- More than 50% of public projects exceed acceptable QLASSIC score
- More than 50% reduction in worksite fatalities and injuries
- Ease of Doing Business indicator in dealing with construction permits improved by 5% points

**Environmental Sustainability**
- Malaysian sustainable infrastructure: a model for the emerging world
- 100% of large infrastructure projects exceed sustainability requirements
- 4 Mt CO₂ equivalent reduction per year

**Productivity**
- More than doubling productivity, matched by higher wages
- 2.5x increase in productivity to US$16,500 per worker

**Internationalisation**
- Malaysian Champions: Leading the charge locally and globally
- 10 companies achieve 5 STAR SCORE rating
- 50 Malaysian companies earn G8 Status
- 10 more constructions-related companies export construction services in the global market
20 CITP Initiatives to Transform the Construction Industry Across 4 Strategic Thrusts

**Quality, Safety & Professionalism**
- Q1: Increase emphasis on quality and implement quality assessments
- Q2: Improve workplace safety and workers’ amenities
- Q3: Improve ease of doing business by addressing regulatory constraints
- Q4: Promote and raise awareness of CITP initiatives
- Q5: Enhance integrity and increase governance (NEW)

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**Environmental Sustainability**
- E1: Drive innovation in sustainable construction
- E2: Drive compliance to environmental sustainability ratings and requirements
- E3: Focus on public projects to lead the charge on sustainable practices
- E4: Roll out technology Facilitate industry adoption of sustainable practices
- E5: Reduce irresponsible waste during construction

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**Productivity**
- P1: Continue investment in human capital development in construction
- P2: Enhance control and balance of workforce supply
- P3: Accelerate adoption of IBS, mechanisation and modern practices
- P4: Roll out technology advantage across project life-cycle
- P5: Enhance availability of strategic information via NCIC
- P6: Advance SME / Bumiputera capacity and capability-building

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**Internationalisation**
- P11: Internationalise construction practices and standards
- P12: Strengthen access to financing for Malaysian champions going abroad
- P13: Support consortia formation and strengthen overseas market intelligence
- P14: Intensity contractor’s capacity and capability building
Introduction to

MYCREST
What is **MYCREST**?

**RATING TOOL**
1. Green Building Rating Tool
2. Integrating carbon reduction and sustainability indicators

**AIMS**
Quantifying, and reducing built environment's impact in terms of carbon emissions and environmental implication

**GOVERN BY**
1. Ministry of Works Malaysia
2. CIDB Malaysia
3. Public Work Department
BUILDING LIFE CYCLE
Reflected in MyCrest

- Inception
  - Building Planning
  - Building Design

- Construction
  - Construction Works
  - Minor Demolition
  - Demolition Works
  - Re-development Works

- Operation
  - Building Operation

- Disposal
  - Building End of Life
<table>
<thead>
<tr>
<th>MyCREST Rating</th>
<th>Score (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>★★★★★</td>
<td>80-100</td>
</tr>
<tr>
<td>★★★★</td>
<td>70-79</td>
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<tr>
<td>★★★</td>
<td>60-69</td>
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<tr>
<td>★★</td>
<td>50-59</td>
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<tr>
<td>★</td>
<td>40-49</td>
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</tbody>
</table>
HOW
MyCREST Measures Carbon?

MyCREST Essense

- Embodied Carbon + Operational Carbon
- Carbon offset + Carbon Sequestration

TOTAL LIFECYCLE IMPACT IN CARBON EMISSION

CARBON IMPACT
Sub criteria that indirectly related to carbon reduction

CARBON REDUCTION
Sub criteria that directly related to carbon reduction

SUSTAINABLE
Do not relates to carbon emission/reduction but it have impacts towards other sustainable issues
WHO ARE INVOLVED in MyCREST?
Qualified Professionals (QP)
- Attended QP Training
- Passes QP Exam
- Completed Group Project and Assessment

Assessor
- Must Possess QP Certificate
- Has conducted at least one (1) MyCREST Assessment / Project Assessment Team

Who is QUALIFIED PERSON in MyCREST?
To MyCREST

Conduct Training for MyCREST Qualified Professionals (QP)

Conduct Training for MyCREST Assessor

MyCREST Project Registration and Assessment Process

MyCREST Accreditation and Certification

Research and Development related to MyCREST

Sustainable Construction Excellence Centre
Invitation to COLLABORATE with CIDB Malaysia

Bilateral Collaboration on Sustainable Construction

Trainings for MyCREST Qualified Professional and Assessors

Offering consultancies for MyCREST / Tailored Assessment Tool

Strategic Partnership on Promotion
THANK YOU

SUSTAINABLE CONSTRUCTION EXCELLENCE CENTRE (MAMPAN)
CONSTRUCTION RESEARCH INSTITUTE OF MALAYSIA (CREAM)
CONSTRUCTION INDUSTRY DEVELOPMENT BOARD (CIDB)

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