



BUILDING A GREENER FUTURE: The Unstoppable Rise of Sustainability in Construction



PRESENTATION FLOWS

0 1

The Construction
Sector & The ESG

0 2

Current
Challenges

0 3

Changing &
Managing the
Market

0 4

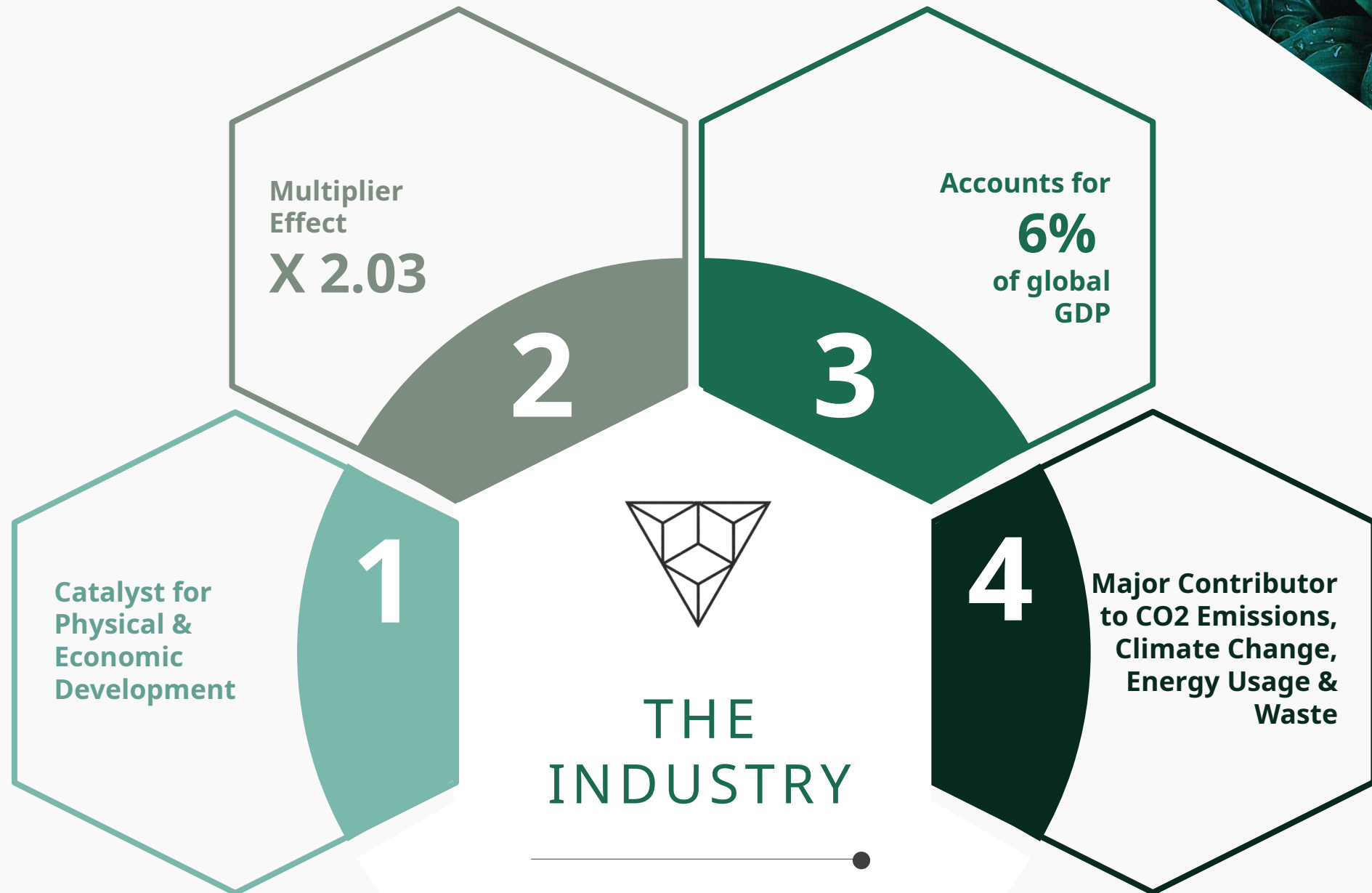
The
Policy &
Strategic
Alignment

0 5

Key
Achievements

0 6

Moving
Forward



NEED FOR CHANGE : Harnessing construction for emission cuts and energy savings



ESG is a set of standards for how a company operates:

- Environmental criteria focus on **how the organization operates** in regards to nature.
- Social criteria focus on an **organization's relationships** with employees, customers, the supply chain and its impact on its local community.
- Governance criteria focus **on how the organization is run**, such as its leadership team's makeup, codes of conduct, and shareholder rights.

WHAT DOES IT MEAN TO THE CONSTRUCTION INDUSTRY?



Construction is responsible for 39% of carbon emissions globally and using 32% of the world's natural resources. **However, it is not all environmental.**

Across the three categories, the construction industry is being charged with improving performance.



E

Carbon reduction &
introducing environmental
initiatives.



S

Health and safety on the
construction site and
high reliance on labor



G

Prevent bribery,
corruption, and
anticompetitive
behaviors.



THE INDUSTRY CHALLENGES

- ☐ Level of Adoption Across Industry
- ☐ Cost vs Long Term Value
- ☐ Specialized Knowledge and Skills
- ☐ Pursuit of Carbon-Neutral Goals

02



VARYING STAKEHOLDERS' PERSPECTIVES



DESIGNERS



Market readiness

is indeed crucial for the adoption of green practices in the construction industry, and different stakeholders may have unique perspectives and considerations.



OVERCOMING THE CHALLENGES



LEARNING FROM ABROAD

「1」

SMART TECHNOLOGIES

- The integration of smart technologies and IoT in buildings to improve energy monitoring, control, and maintenance.
- Valuable data analytics, cybersecurity measures, occupant engagement, and system interoperability.

「2」

CIRCULAR ECONOMY PRINCIPLES

- Embracing circular economy principles, such as waste reduction, recycling, and material reuse.
- Highlighting the need for innovative construction practices, sustainable material choices, and collaborative networks for material recovery and recycling.

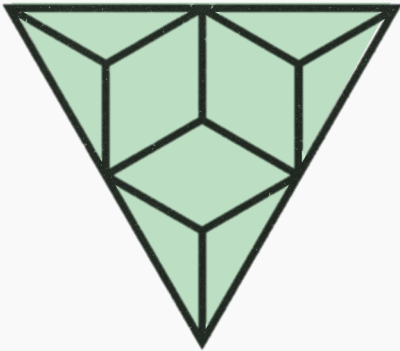
「3」

RESILIENT HOME

- Constructing resilient housing for vulnerable communities, including low-income households and those affected by natural disasters.
- Giving focus on building affordable, energy-efficient homes with disaster-resistant features and access to essential services.

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SUSTAINABLE POLICIES & INITIATIVES



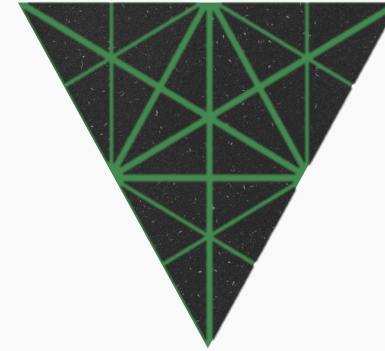
ENERGY
EFFICIENCY
STANDARDS &
ByLAWS



FINANCIAL
SCHEME &
INCENTIVES



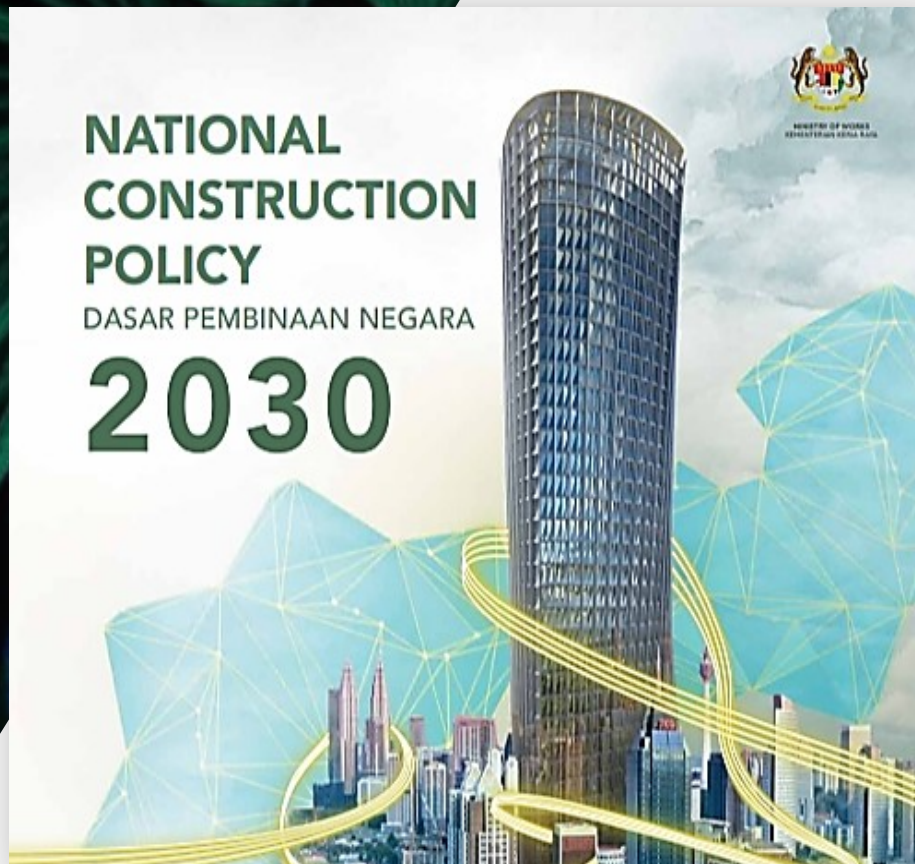
GUIDELINES FOR
CONSTRUCTION
WASTE
MANAGEMENT



CITP 2016-2020
CSP 2021-2025



NCP 2030



THE NATIONAL CONSTRUCTION POLICY

Introduced by the Ministry of
Works in 2021, outlines
sustainable construction
practices.

THE NCP 2030 OUTLINES



RESILIENT INFRASTRUCTURE

Emphasizes planning, designing, and maintaining structures resilient to natural disasters



SUSTAINABLE CONSTRUCTION RATING TOOLS

Emphasizes the need for sustainable construction rating tools like MyCREST and Sustainable INFRASTAR



LEVERAGING TECHNOLOGY

Encourages leveraging technological capabilities and research for sustainability, including low emission and climate resilient development

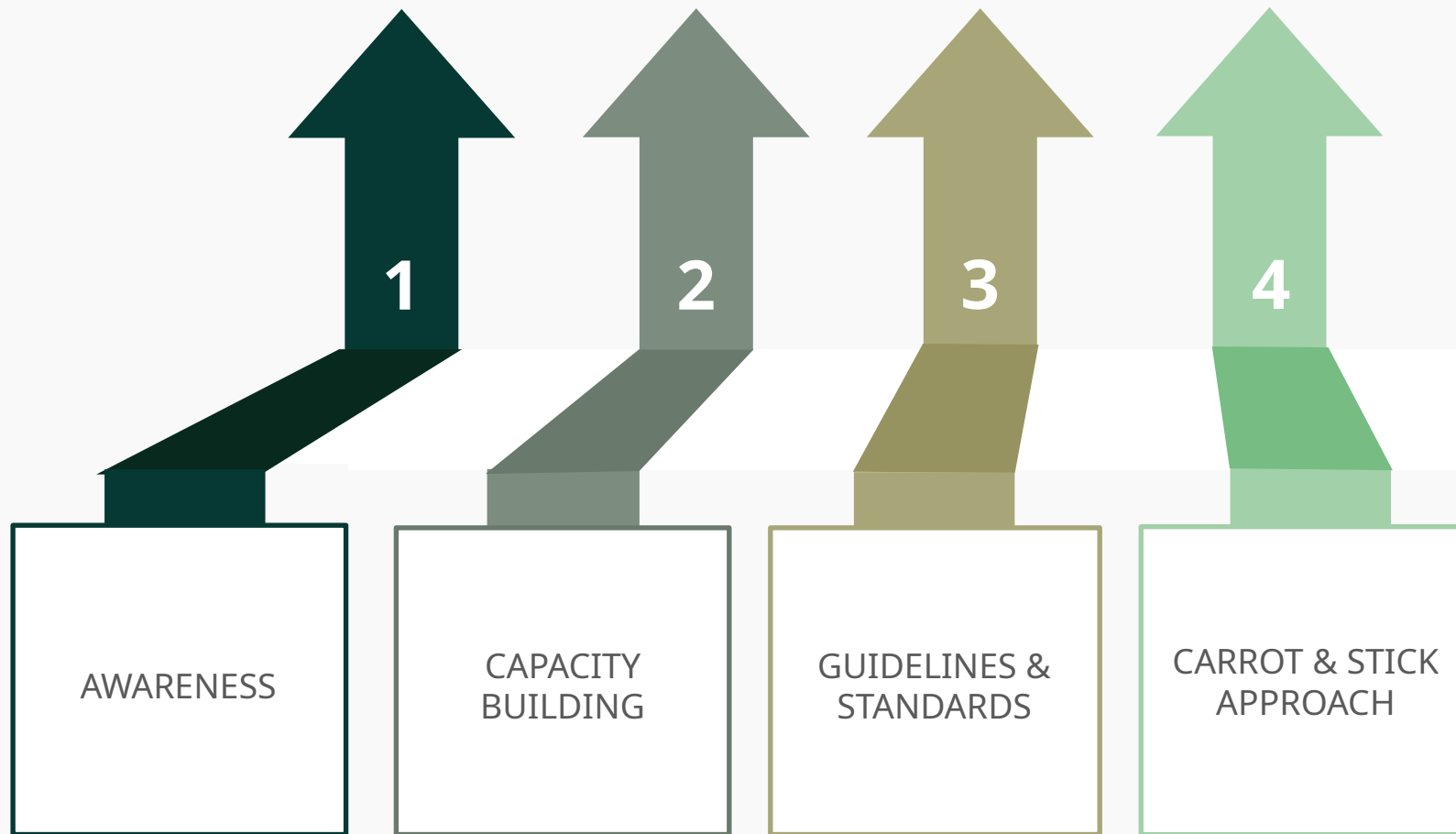




CIDB STRATEGIC PLAN 2021-2025

● —————
Realigned to elevate sustainability
standards within the built environment



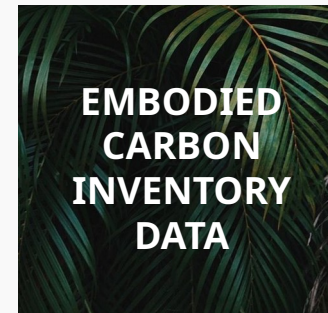
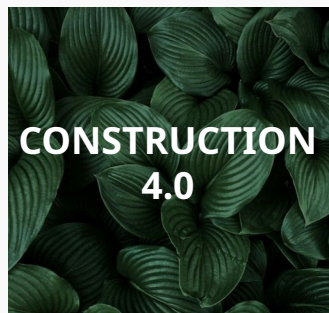
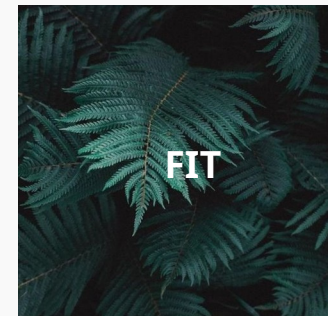
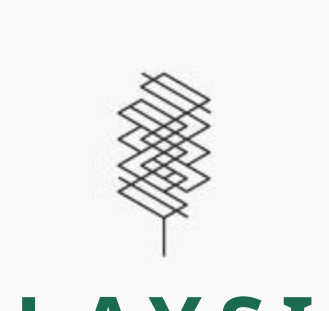
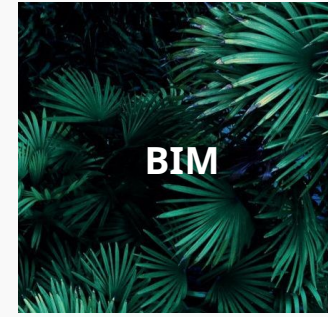
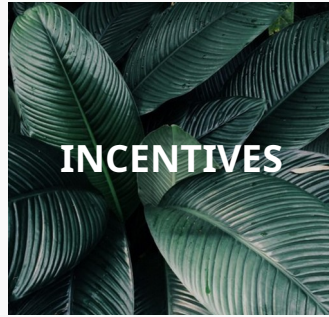


ECOSYSTEM OF SUSTAINABLE CONSTRUCTION DEVELOPMENT



EDUCATION IS PARAMOUNT

Collaborations between educational institutions and the industry are crucial to produce graduates skilled in sustainable practices.





MOVING

FORWARD

-
- Remain vigilant and proactive
 - Need to continue refining policies, guidelines & incentives
 - Addressing challenges, enhancing collaboration & investing in skills and knowledge development

06





Let's work together



TO TURN THE
SUSTAINABLE
CONSTRUCTION
ASPIRATION
INTO REALITY!

**THANK
YOU**