

South-South Cooperation & Science, Technology and Innovation: MIGHT Experience



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(MIGHT)**

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“MIGHT is formed to prospect for business opportunities for Malaysia through strategic exploitation of technology for attainment of Vision 2020 objective ”

Established in 1993 by the Government

- As Not-For-Profit Organization (NPO)
- Based on partnership between public & private sectors
- An Organization under the patronage of the Prime Minister

Core Business

- Consensus building think tank to harness technology for business
- Consultative platform building linkages through membership program
- Nurturing high tech industries via necessary interventions

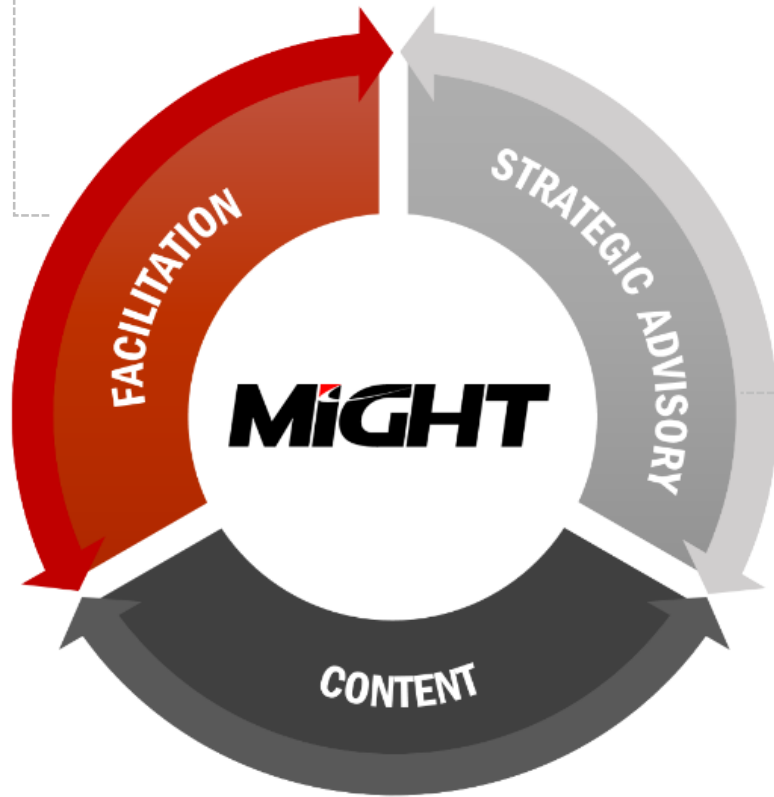
PATRON OF MIGHT

“MIGHT is formed to prospect for business opportunities for Malaysia through strategic exploitation of technology for attainment of Vision 2020 objective”

Tun Dr Mahathir Mohammad
Prime Minister of Malaysia
22 February 1993



MIGHT's ROLE



FACILITATION

New ways of connecting and problem-solving for companies – Technology, Policy, Funding & Talent



CONTENT

More competencies in data generation and analytics, building experts systems and corporate profiling



STRATEGIC ADVISORY SERVICES

Enhanced Malaysian competitiveness at firm-level and push for leadership position of niche products and services

The diagram illustrates the 'MIGHT Partnership Hub' as a central node connecting various stakeholders. The hub is represented by a large red triangle with the text 'MIGHT Partnership Hub' inside. Four main pillars radiate from the hub, each with a grey rounded rectangle label: 'Consensus Building' (top-left), 'Smart Partnership' (top-right), 'Experts Engagement' (bottom), and 'Consensus Building' (bottom-left, repeated). The diagram is densely packed with logos of various organizations, including government agencies like MIMA, MOSTI, and MARDI; private companies like BAE Systems, Rolls-Royce, and Thales; and academic institutions like UTM, UUM, and UTeM. The logos are arranged in a circular pattern around the central hub, with some overlapping. The overall theme is international cooperation and partnership in the defense and technology sectors.

Past Deliverables & Initiatives

MIGHT leads and facilitates the strategic development of high technology sectors in Malaysia

Aerospace



Maritime



Offset Management

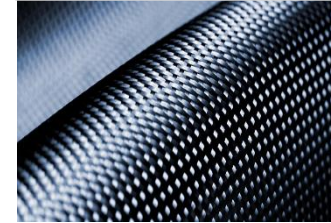
Human Capital Development

K-Economy and Innovation

Industry Insights

Other activities

Advanced Composite



ICT & RFID



Photonics and Nanotechnology



Pharmaceutical



Automotive



Rail



Transportation



Housing & Construction



Energy



Herbal & Agro-Biotech



OUR END GAME

"MIGHT will further strengthened as Malaysia's most effective and preferred intermediary and referral center for the high-tech industry"

MIGHT's Value Proposition

1. Provide a strategic platform for industry players to **elevate and increase** their chances in taking part of the business

2. Venue to **address issues and challenges** face by industry players

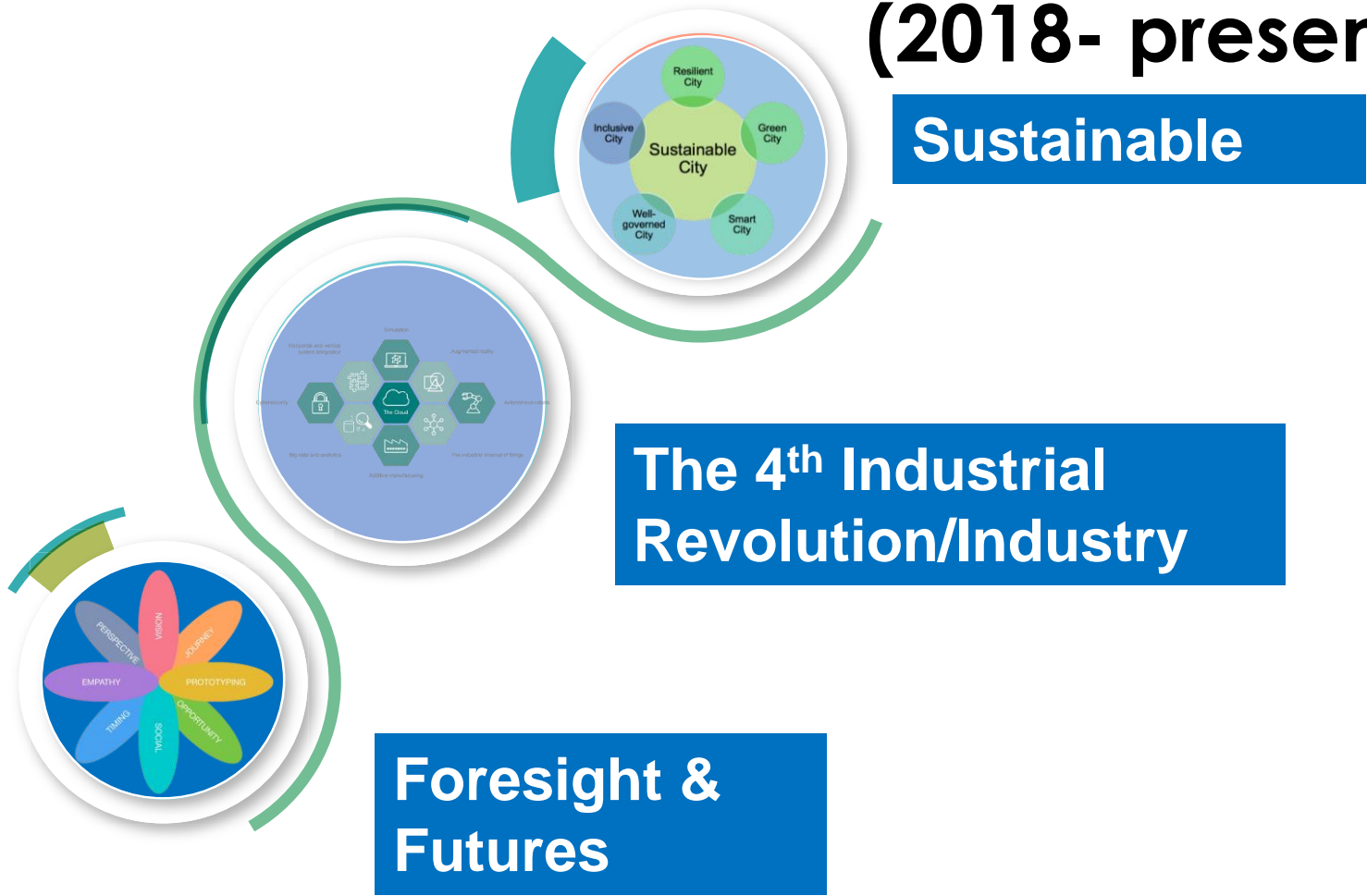
3. Strengthen their **presence locally** and making our industry players **a global player**

4. Able to **mitigate risk and overcome weakness**

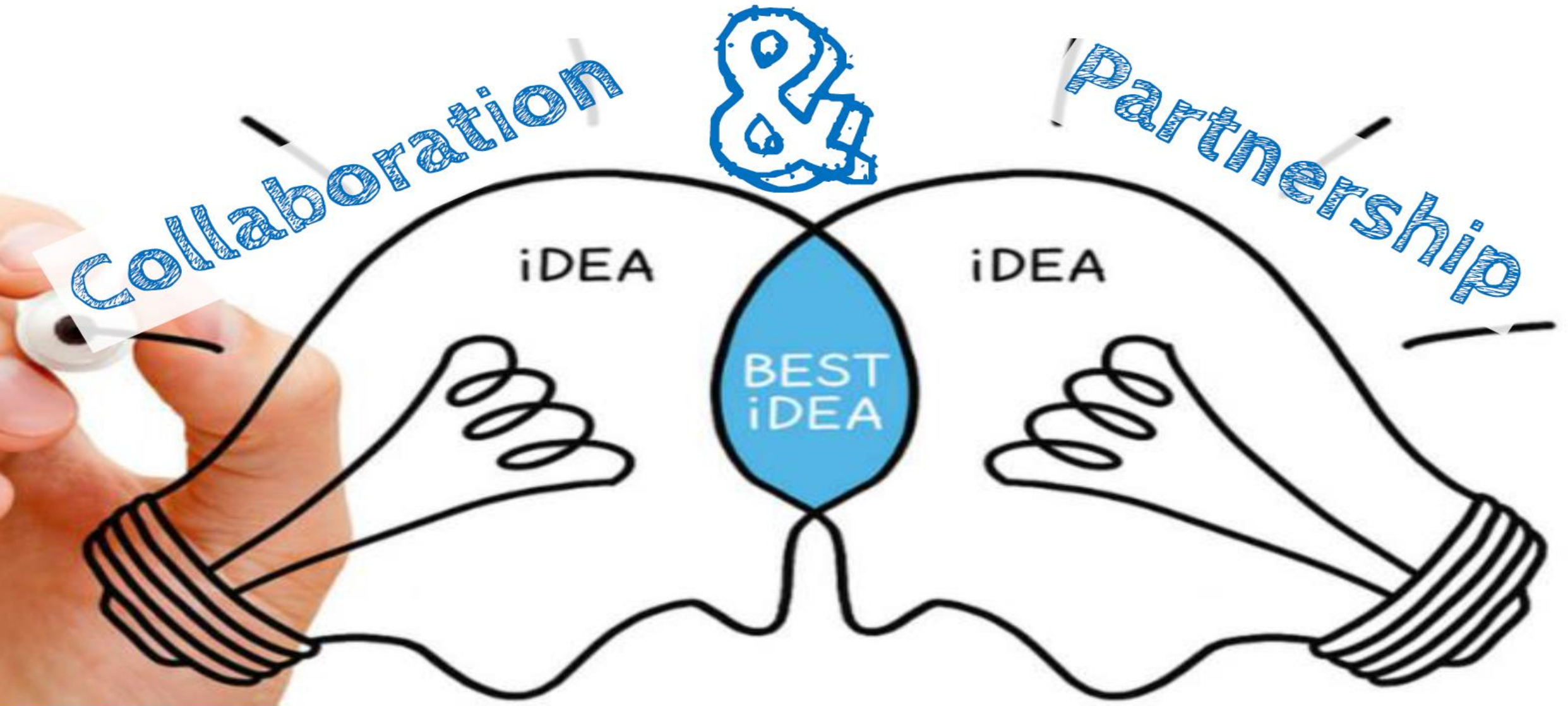


MIGHT has and will continue to facilitate the strategic development of high technologies in Malaysia

3 Major Themes
(2018- present)



South-South Cooperation & STI



Nurturing Entrepreneurship Competency Through Global Partnership

Case Study # 1: GCIP – Global CleanTech Innovation Program

A Global Programme supporting the development of Innovative Clean Technology Startup across 8 Emerging Economies and Developing Countries.



Alliance of International Partners as a platform, applying proven Silicon Valley clean technology innovation module.



“We are creating an innovative, global program supporting small- and medium-sized enterprises by leveraging the Cleantech Open’s global platform with UNIDO’s international network and resources.”

— Dr. Naoko Ishii, CEO and Chairperson, Global Environment Facility



Grant Provider



Project Manager

USD 0.9 M



MINISTRY OF ENERGY,
GREEN TECHNOLOGY AND WATER (KOTHA)

Chair of
Steering Committee

MIGHT

Lead Agency in Malaysia

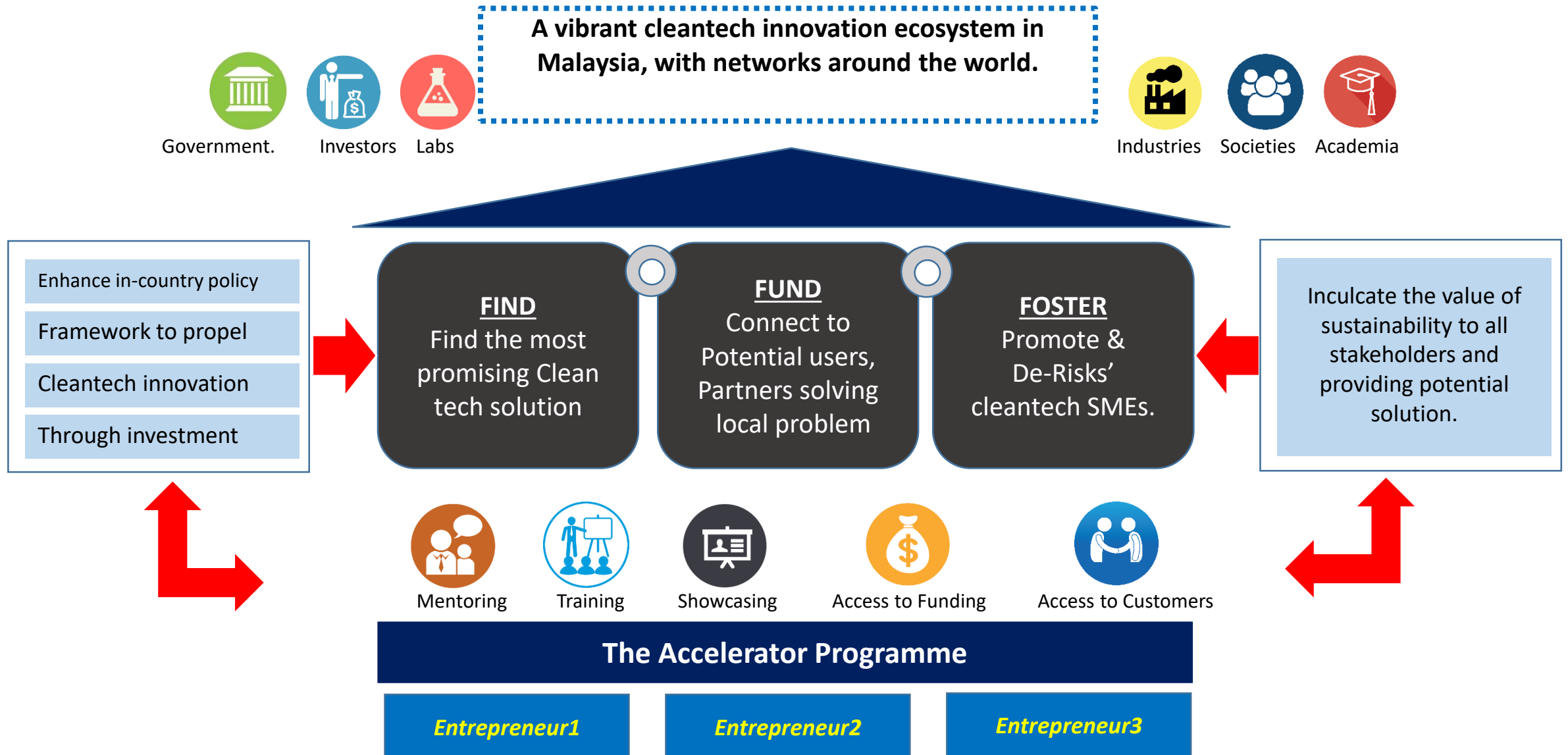


International Consultant



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— Dr. Naoko Ishii, CEO and Chairperson, Global Environment Facility



Achievements

3 Cycle of GCIP
accelerator est.
since 2014

The
accelerator

55 TEAMS TRAINED
& ACCELERATED

GCIP
ALUMNI

RM 8.5 M

INVESTMENT
RAISED

Global
footprint

5 global event
participated

mentor

18 generalist &
specialist
mentor

CO₂
Reduction

600,000
Kg Carbon Dioxide



Patented bio-enzymatic technology replacing polystyrene and other fossil-based packaging materials with packaging made from **waste biomass**



Reduction of 47,000 KG of CO₂ emissions per annum



Zymeratic
The Enzyme Factory
Clean and green enzyme to accelerate industrial processes and able to be customised to customer requirements.



Reduction of energy consumption and lowering production cost



PETRONAS

IOI EDIBLE OILS



A Sime Darby Plantation Company



NEUTO Dry Hydrogen Auto Therapy effectively **diagnose, monitor and clean** the car engine with pure and dry Hydrogen Gas



lower emission of undesirable toxic substances



GLOBAL INTEGRATED APPROACH PILOT ON SUSTAINABLE CITIES DEVELOPMENT (GEF6)

-MELAKA AS THE DEMO CITY FOR MALAYSIA

Involving 23 cities 11 countries

GEF FUNDING FOR MALAYSIA USD 3.0M

Global
Partners



National
& State
Partners



KPKT AS LEAD MINISTRY

Sustainable Cities As Integrated Approach

11 SUSTAINABLE CITIES AND COMMUNITIES



Project Scope – 4 Key Components

Output 1.1.1 –
To develop both National
& State policies and
strategic direction for
Implementation of
sustainable and resilient
cities improved/developed

Output 1.1.2 -
Capacity Building
To develop and implement
Institutional capacity of
policy-makers at the
national, state and local
levels

Output 1.1.3 – Awareness
To plan and implement
Awareness raising events
for policy-makers, industry
and end-users organized at
all levels for dissemination of
tangible benefits/results of
the project

Output 1.2.1 - Smart Grid
Demonstration Project
The adoption of **renewable
energy (RE)** integrated
Smart Grid facilitated
through demonstration
activities of distributed RE
systems, solar-powered EV
charging facilities, battery
energy storage, Energy
Efficiency (EE) and RE
applications in buildings,
related policies, capacity
building and ICT systems

Project Components	2017	2018	2019	2020	2021
Project Governance	★ <u>2 May 2017</u> : • NSC Meeting No.1/2017	★ • NSC Meeting No.1/2018 – Date TBD • NSC Meeting No.2/2018 – Date TBD			
Output 1.1.1 - National and State Policies on Sustainable Cities	Rapid Assessment Study on Melaka Sustainability Outlook (by World Bank/UNIDO)		Outputs from Study for Policy Inputs and Capacity Building to other states/cities .		First deliverable is a Rapid Assessment report on Melaka.
Output 1.1.2 - Capacity Building	• Capacity Building Session – 3 May 2017 • Credit Worthiness & Municipal Finance for Melaka– 2018 Date TBD • Launching of Malaysian Sustainable Cities Network– Date TBD				Credit worthiness exercise for Melaka in 2018
Output 1.1.3 - Awareness	• GEF6SCD Project Launching – 2 May 2017 in Melaka • Project Briefings at Related City Conferences throughout project period				• Workshops • Trainings • Roadshows
Output 1.2.1 - Smart Grid Demonstration Project	Scope & Specification Documentation		Design, Installation & Testing	Project outputs for policy & capacity building inputs.	

Aug 2018

UNIDO GEF 6: SMART GRID DEMO PROJECT



TENAGA
NASIONAL

MIGHT
Malaysian Industry-Government Group
for High Technology

Smart Grid Demonstration Project Concept

Phase 1

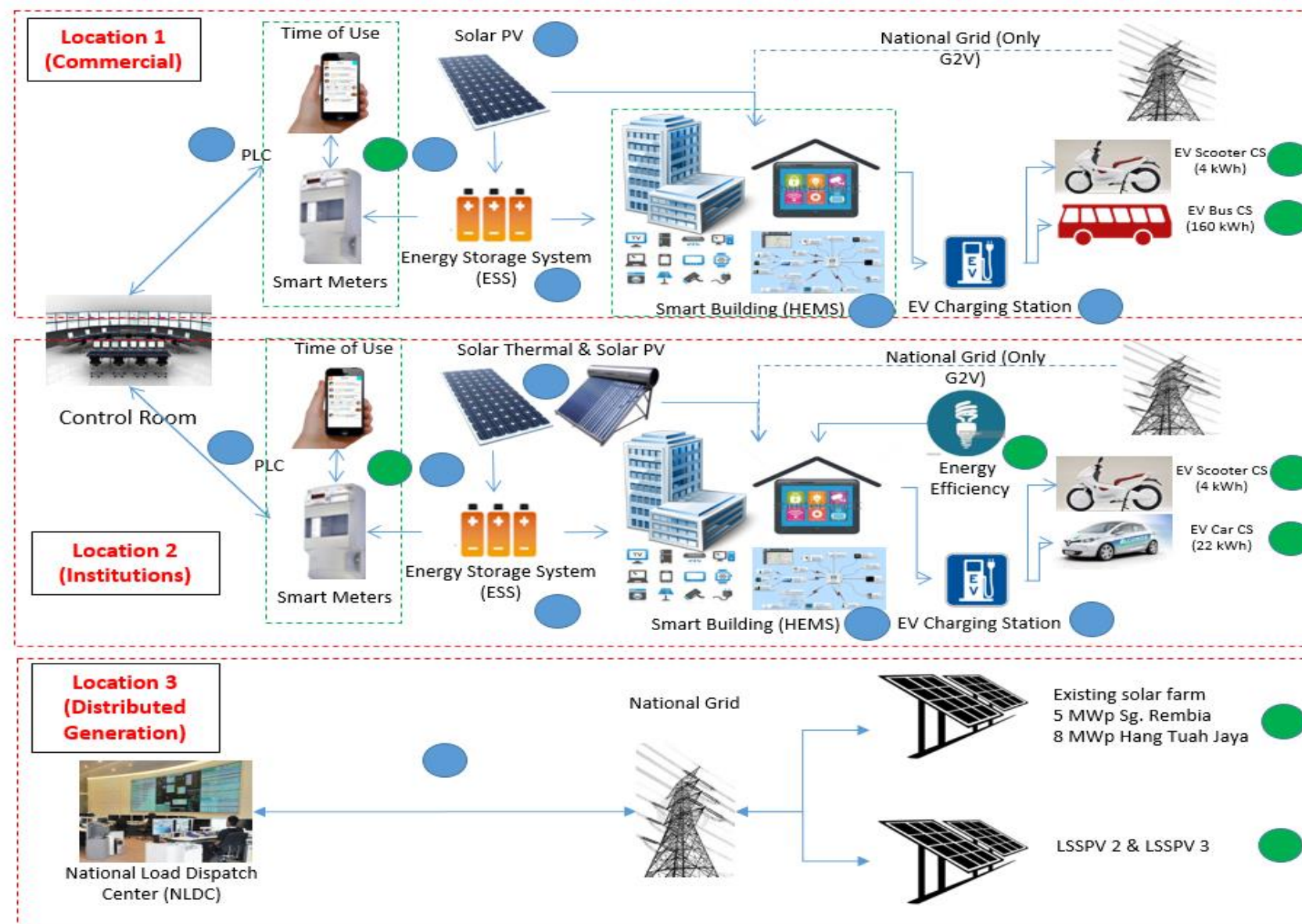
Prelim Data Integration & Reporting of Selected Energy Projects in Melaka

Phase 2

Data Integration & Analytics for Selected Energy Projects in Melaka, Future Large Scale Solar (LSS) & Rooftop Solar PV Projects via Net Energy Metering (NEM) and setting-up of Integrated Server Room in Melaka which is also ready for NLDC Connection

Phase 3

Data Integration & Visualization of Selected Energy Projects in Melaka, Future Large Scale Solar (LSS) PV & Rooftop Solar PV Projects via Net Energy Metering (NEM) and Future Green Mobility Project connected to National Load Dispatch Center (NLDC)



SMART & FUTURE MOBILITY

Convergence of
Technology & shift
towards Mobility



SMART & FUTURE MOBILITY

ELECTRIFICATION



Hybrid & BEV is the future of Mobility

DIGITAL CONNECTED



Information sharing between V2V, V2G..etc will be the trend to move from point to point

SHARED MODEL



Car sharing, Ride Sharing and Carpooling will be the model that fit user requirement

AUTONOMOUS



Autonomous is another level of mobility solution which incorporate efficiency and convenience

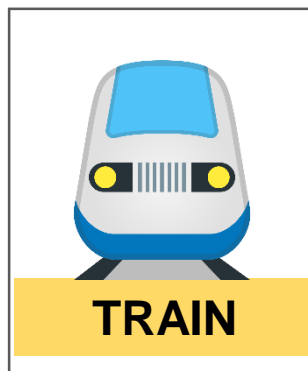
LIGHT WEIGHT



In vehicle technology Light weight play a crucial roles in term of energy efficient and cost

MIGHT'S RESPONSE

National Mobility Initiative



mobility
partnership

Establish the National Mobility Initiative focusing on the automotive (NNCP), train and ship

Collaborate with industry and relevant experts through MIGHT Interest Groups by engaging them earlier in the planning and development process; being explicit about our objectives and investment criteria; providing opportunities to provide input on potential solutions; and enabling dialogue between key decision makers

Co-develop new technology solutions through a range of pitch, incubation and development opportunities

Create a flexible, responsive and agile regulatory framework to minimise unnecessary obstacles that may impede the uptake of new technology

Government as an enabler, incubator and collaborator to private sector innovation where new technology has the potential to benefit customers

Set up an SPV designed to enable incubation and accelerated delivery of initiatives



We make it happen!

Thank you!