



LCOS

Measure, Manage, Mitigate Carbon Emission with LCOS

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The Journey Towards Net Zero

An agency of the **Ministry of Natural Resources, Environment and Climate Change**



**Pusat Tenaga
Malaysia**

1998



**Malaysian Green
Technology Corporation**

2010



**Malaysian Green Technology
& Climate Change Corporation**

2021

*Climate Change was added
in 2019 during IGEM*

Support the **National Climate Change Agenda** through



**Green Technology
Green Growth
Green Recovery**



**Low Carbon
Development**



Green Incentives

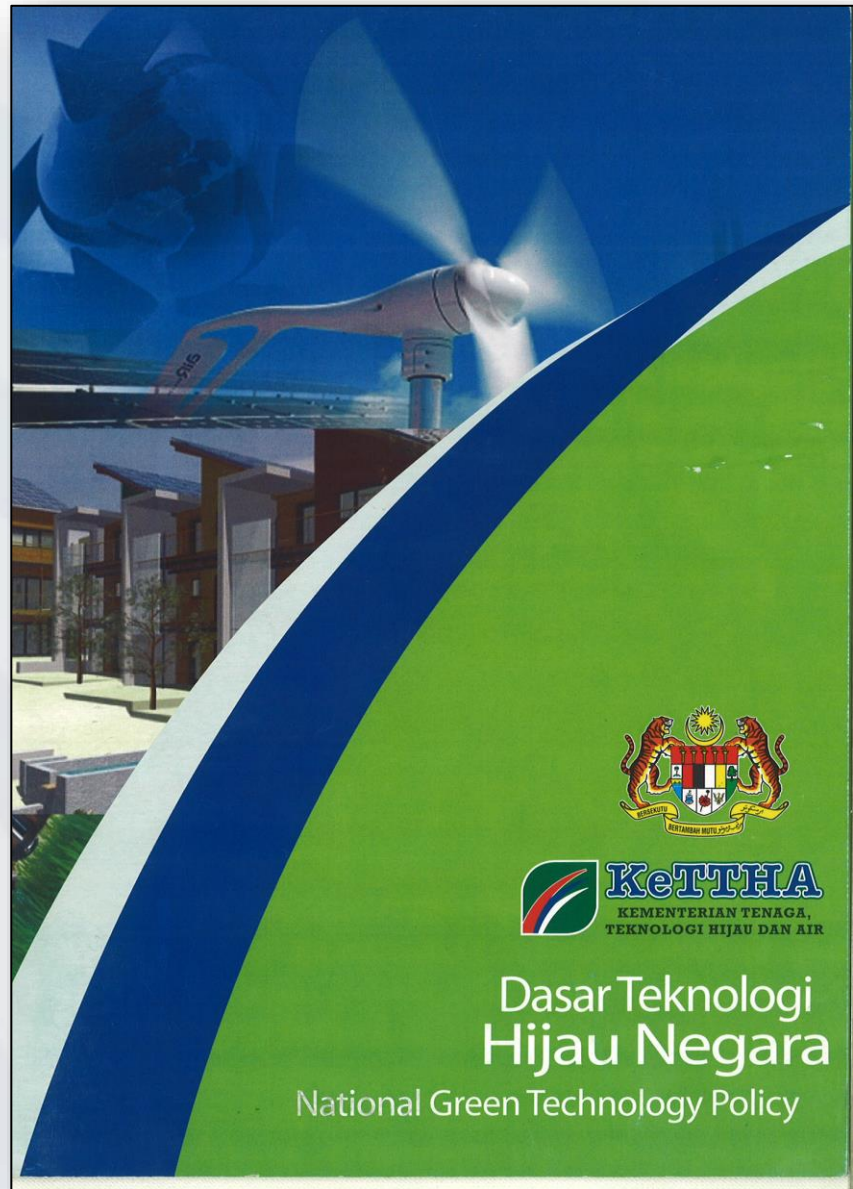


**Strategic
Collaborations**

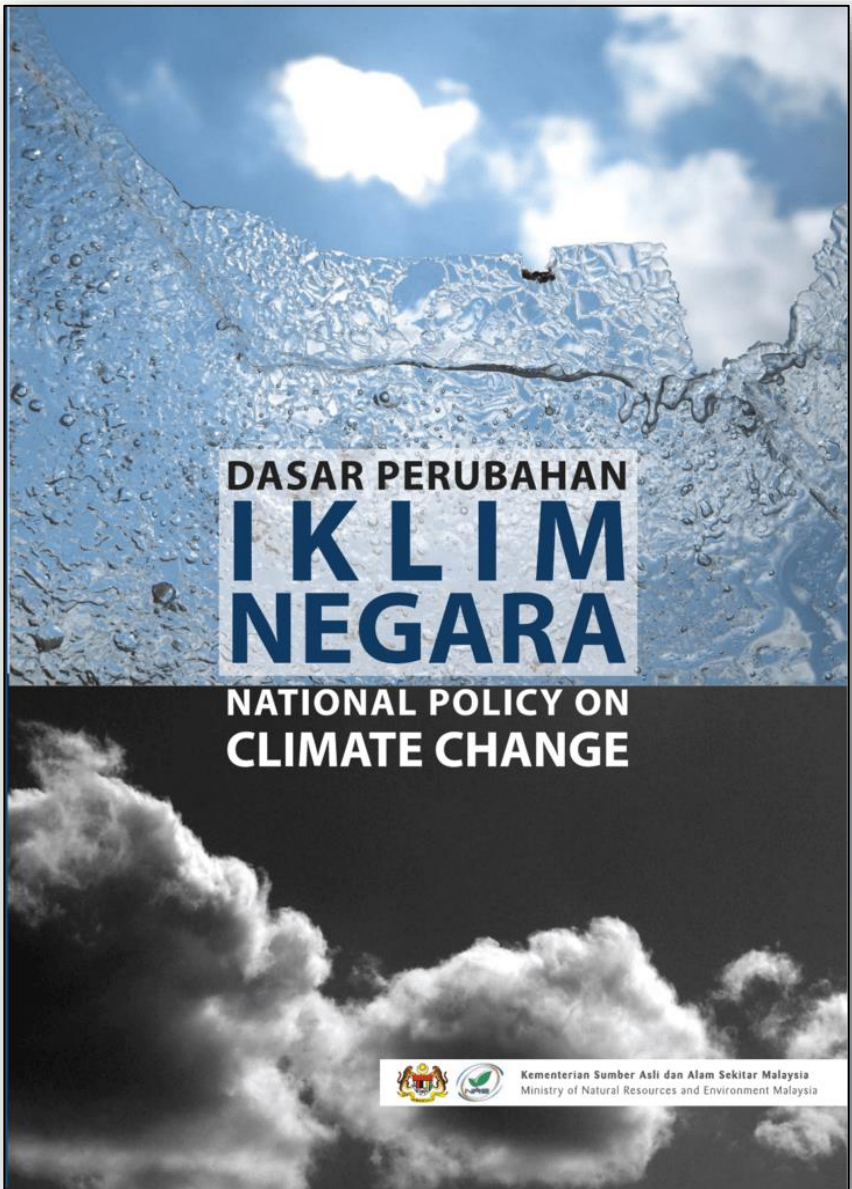


**Communication
Education
Public Awareness**

Policies And Strategic Documents



Nation Green Technology Policy (2009)



National Policy on Climate Change (2009)



Green Technology Master Plan Malaysia 2017-2030 (2017)

VISION

LEADING PARTNER FOR GREEN GROWTH & CLIMATE ACTION

MISSION

TO ACCELERATE THE ADOPTION OF GREEN ENERGY AND GREEN TECHNOLOGY

STRATEGIC OBJECTIVES



PROFIT (ECONOMY)

PLANET (ENVIRONMENT)

PEOPLE (EDUCATION)

ACCELERATE GREEN ECONOMY

ADVANCE CLIMATE ACTION

ADVOCATE GREEN LIFESTYLE

SDG **8** **9** **10** **12** **17**

Sustainable Consumption & Production
 Government & Private Green Procurement
 Green Financing & Incentives
 Green Investment & Commercialisation
 Green Industry Market Development

2 **3** **6** **7** **11** **13** **14** **15**

Sustainable Cities & Communities
 Sustainable Industry
 Green Technology Solutions
 Research, Development & Innovation
 GHG Advisory

1 **4** **5** **16**

Sustainable Communities
 Continuous Education & Public Awareness
 Upskill & Reskill
 Community Initiatives
 NGO & Community Associations

STRATEGIC THRUSTS



Promotion & Awareness

Market Enablers

Human Capital Development

Research, Development & Commercialisation

Institutional Framework

ORGANISATIONAL GOALS

Financial Sustainability

Operational Efficiency

High Performing Teams

Data Driven Decisions

Governance & Compliance

Partnerships & Collaborations

VALUES

GRATITUDE | RESPONSIBLE | ETHICAL | EXCELLENCE | NURTURE



LCOS

Measure, manage and mitigate GHG emissions



Where are we heading?

Global

Paris Agreement 1.5°C target

Malaysia

Net-Zero GHG emissions as early as 2050

Business

Consumer demand, policy and regulatory requirements like carbon tax and CBAM





Why LCOS?

- We need to accelerate GHG emissions reduction
- We need to measure GHG emissions at all levels

> 250k SMEs

A carbon management platform that is accessible to all

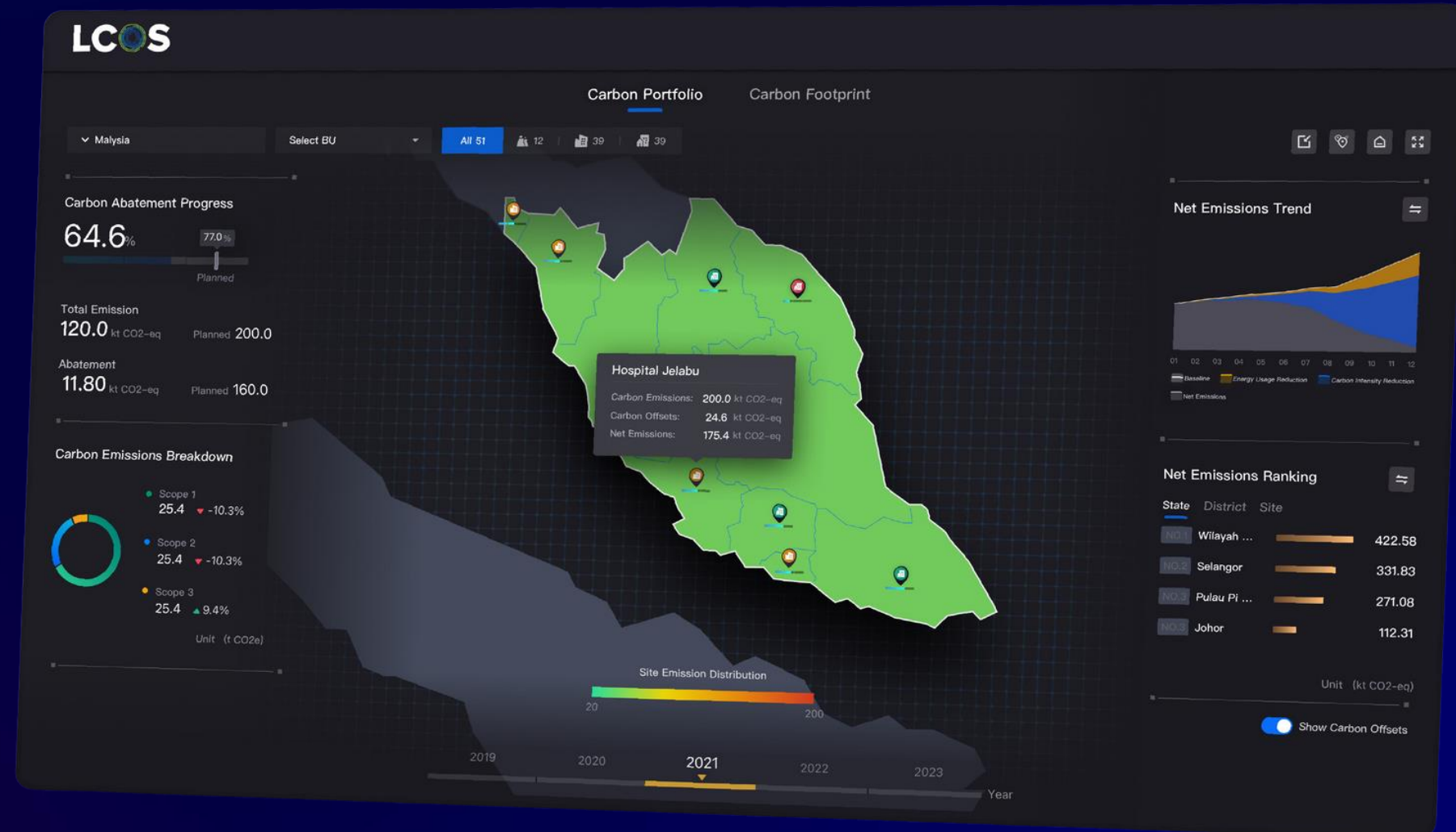
Net-Zero

A carbon management platform to drive mitigation action

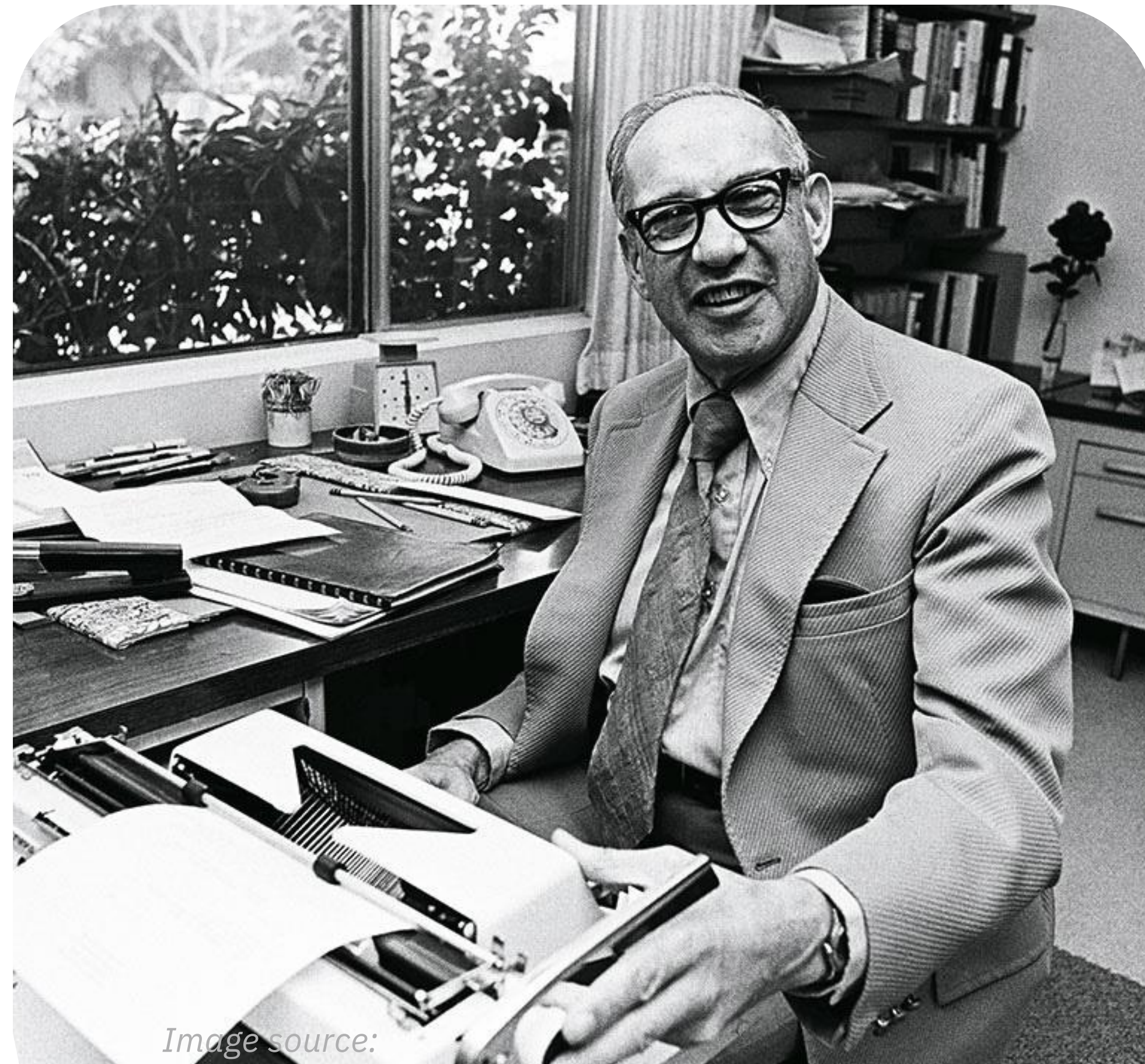


LCOS

Low Carbon Operating System



1	Cloud based carbon management platform
2	Aligned with globally recognised standards; GHG Protocol and ISO14064
3	Meets data security and data privacy standards; ISO27001, PDPA, GDPR



If you can't measure it, you can't manage it.

- How do you know if you are doing well or poorly?
- Without adequate information you cannot properly decide on what actions should be taken to improve



Step 1: Measure

Measure Scope 1, Scope 2
and Scope 3 GHG emissions
across your entire business



Begin by measuring your electricity
and company car fuel consumption



Once you are more familiar, progress
to selected Scope 3 activities



Built in local and international
emissions factor database



Measure detailed emissions for each
site, joint venture or subsidiary

Step 2: Manage

Set targets, analyse monthly performance and benchmark against industry peers



Set Science-Based Targets (SBTi) that are in-line with 1.5°C limit



Track emissions performance monthly to pick up issues early on



Benchmark using standards such as Building Energy Intensity (BEI)



Organise and store relevant data in a structured manner



Step 3: Mitigate

Plan and track mitigation action, purchase REC's and Carbon Credits



Plan abatement initiatives including cost benefit analysis of each solution



Track actual performance of abatement initiatives against plan



Purchase Renewable Energy Certificates and Carbon Credits



Obtain 3rd Party verification for your GHG emissions and net-zero claims



Your Business Future

Take the early steps to
future proof your business

**Enhance
Reputation**

**Competitive
Advantage**

**Improve
Efficiency**

Manage Risk

91% of business leaders
believe that their company has
a responsibility to act on ESG
issues.

2021 Consumer Intelligence Survey
PwC



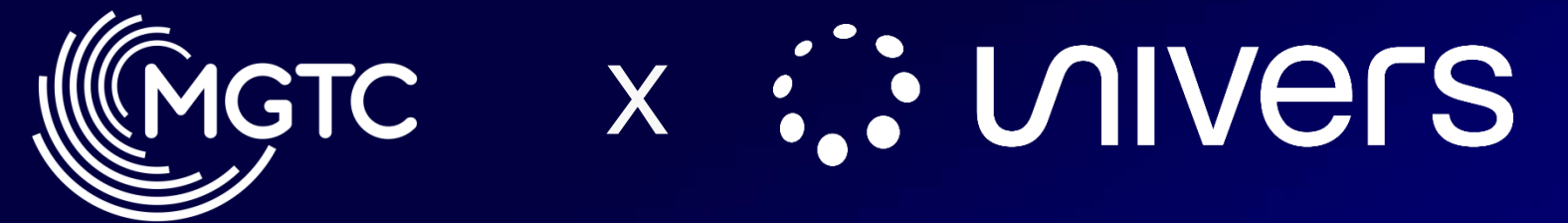
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Annual Subscription	RM 5,000
Number of Sites	1 <i>(Additional Sites @ RM500 each)</i>
Number of Users	Unlimited
Support	GHG awareness training On-boarding facilitation Networking with solution providers
Updates	All latest features



Bringing World Class Capabilities to Malaysia



LCOS is developed in collaboration with Univers (previously known as Envision Digital) utilising the world's largest Artificial Intelligence of Things (AIoT) platform leveraging on a global network of R&D and engineering across Asia, Europe and America.



Partners

MGTC works closely with Partners and stakeholders at all levels to accelerate green growth and advance climate action, especially to support SMEs.

Government



- Ministry of Natural Resources, Environment and Climate Change
- Ministry of Investment, Trade and Industry
- Ministry of Economy
- Ministry of Finance

Agencies



Financial Institutions





Start your free trial today.

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