



# CEO'S STRATEGIC REVIEW

**TS. SHAMSUL BAHAR MOHD NOR**  
Chief Executive Officer

GreenTech Malaysia  
was rebranded as  
**Malaysian Green  
Technology and Climate  
Change Centre (MGTC)**  
in October 2019.

I feel honoured to present this review as the appointed Chief Executive Officer (CEO) of MGTC, an organisation that has been catalysing sustainable change in the country's social and economic fabric since its inception in 2010. It is an especial privilege to lead the organisation today, when its mandate has been expanded to encompass not just the development and promotion of green technology but the broader function of spearheading actions towards climate change mitigation and adaptation.

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**MGTC** mandate is to develop and promote green technology focusing on the energy, manufacturing, transport, building, waste and water sectors.



On 10 October 2019, GreenTech Malaysia was rebranded as Malaysian Green Technology and Climate Change Centre (MGTC) to strengthen the nation's institutional capability and capacity to deliver on the climate change agenda. Climate change has become one of the most pressing global challenges and I recognise fully the immense responsibility entrusted onto MGTC to help shape Malaysia's strategic response through our actions and policies.

### THE GREEN DECADE

The green technology landscape in Malaysia has changed significantly over the last 10 years, with greater adoption by Malaysians across the board. Energy efficient and renewable energy technologies are becoming the norm in industry as players recognise both their cost and environmental benefits. More industrial and commercial buildings as well as homes are generating their own electricity using solar, feeding the excess onto the national grid. The number of electric vehicles on our roads, including plug-in hybrid electric vehicles (PHEVs), is slowly increasing, reducing transport pollution. And, recycling is becoming a way of life for many, with easy access of recycling bins greatly encouraging Malaysians to segregate waste thus reduce the volume that ends up in landfills.

These positive developments are the result of the contributions towards a sustainable nation by various parties. At the core of the changes, however, is MGTC – which has been working assiduously to carry out its mandate to develop and promote green technology focusing on the energy, waste and water, transportation



**Green Technology Master Plan (GTMP)** sets a roadmap for the development of green technology up to the year 2030.



and building sectors. Countless initiatives and programmes have been launched, through which the organisation has created greater awareness of green technologies and encouraged their adoption.

Among others, MGTC has been responsible for the provision of tax incentives, funding, and the establishment of a national green mark. It also initiated and continues to organise a regional exhibition & conference that brings together thought leaders, policy makers, innovators, players and users to discuss and showcase the latest green developments while setting the stage for investments and trade. It has formed strategic partnerships to roll out new technologies; and worked hand-in hand with local authorities on how we can all collaborate to create a greener, more sustainable future.

The Green Technology Financing Scheme (GTFS) for example was continued under GTFS 2.0 programme with additional feature of energy service companies (ESCO) and companies in manufacturing sector on top of the five sectors from the original programme.



Our Green Energy Office standing as a model of energy efficiency boasting the **lowest building energy index** in the country.

Many programmes that were launched in the initial years have grown to have deeper impact on the green technology landscape. The Green Technology Financing Scheme (GTFS), for example. The list of assets that qualify for the Green Investment Tax Allowances (GITA) has also continued to grow, increasing exponentially in 2019 from nine to 49. When the AEMAS Energy Management Programme funded by the ASEAN Centre for Energy (ACE) was completed in 2014, MGTC kept it going in Malaysia with funding from the industry. Consequently, today we have 1599 Certified Energy Managers as well as 203 organisations certified with the Energy Management Gold Standard (EMGS). Of note, two organisations have achieved the highest possible EMGS ranking of 3-Stars: Universiti Teknologi Malaysia (UTM) and Institut Jantung Negara (IJN).

In the building sector, we lead by example – our Green Energy Office standing as a model of energy efficiency boasting the lowest building energy index in the country. Tours are organised for government agencies, local authorities, companies, students as well as government agencies and any other interested party on the energy efficient features that have been incorporated into our office's blueprint.

In the realm of transport, we are encouraging the adoption of green mobility through the provision of charging infrastructure for electric vehicles (EVs). Since introducing our first ChargeEV stations in 2016, we have installed 300 units across the country and in 2019 extended the network to East Malaysia (Kuching, Sarawak). In 2019, we finalised a Low Carbon Mobility Blueprint which will set a roadmap for the transformation of land transportation sectors adopting low carbon technologies. This blueprint will complement the Low Carbon City Framework (LCCF), which seeks to develop sustainable cities through the implementation of energy efficient systems across buildings, public transport, waste management and landscaping.



Benefits of having both climate change mitigation and adaptation under one roof is the **potential to tap** into their **co-benefits**, seeing as certain mitigation initiatives could also play an adaptation role, and vice versa.

#### AN EXPANDED PORTFOLIO

With the rebranding in October, MGTC now has an expanded scope of responsibility which includes land transportation sectors adopting low carbon technologies. We welcome our new role, as climate change mitigation is very much aligned with our existing mandate of green technology promotion. It is, ultimately, one of the end goals of adopting sustainable systems, and positions MGTC more strategically to contribute towards the Government achieving its carbon emission reduction commitment under the Paris Agreement. Climate change adaptation, on the other hand, is a new and extensive focus area for us. It forms the key strategy in ensuring the nation's preparedness and resilience against potential climate change impacts. Among the benefits of having both climate change mitigation and adaptation under one roof is the potential to tap into their co-benefits, seeing as certain mitigation initiatives could also play an adaptation role, and vice versa.

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Until MGTC's appointment, there was no single government agency that oversaw the entirety of climate change and its ramifications. That MGTC has been chosen for the role is validation of the organisation's performance and achievements to date. As with green technology, we will be directly involved in policy analysis, national reporting, programme coordination and education for climate change actions. MGTC will also serve as the focal point for climate change data and communication.

We are very excited about donning our new climate change cloak, and to wear it well we will be bringing on board fresh talent with expertise in climate change. We also seek to form a Climate Change Collaboration Network with relevant agencies and universities to leverage the nation's collective expertise and talents, and ensure an alignment of our priorities.

### GOING FORWARD

We have accomplished much in our last 10 years, but with a new and expanded role, the bar has been set higher and we have a new set of goals to achieve. Bearing this in mind, we at MGTC are embarking on the new phase in our continuing journey with renewed vigour and determination.

Having already identified gaps in institutional frameworks, we have begun to work on rectifying these. Among others, we are outlining a more sustainable and comprehensive Green Financing Roadmap for clarity of all parties involved. We are also reviewing the GTMP, to update the targets and strategies outlined while incorporating new sub-sectors and creating alignment with the latest ministerial developments and MGTC's new mandate.



We also seek to form **Climate Change Collaboration Network** with relevant agencies and universities to leverage the nation's collective **expertise and talents**.



I believe the next few years will be challenging given the immensity of our responsibilities. Yet, these will also be exciting times as MGTC has always embraced challenges, the team taking pride in stretching our capabilities. We have a fantastic team here and, with the support of our partners and other stakeholders, the guidance of our directors, I have every confidence that MGTC's next decade will be as successful as the decade that we have just completed.