



THE RIPPLES

a quarterly MGTC Newsletter

The Ripples is a platform for strengthening the Malaysian Green Technology and Climate Change Centre (MGTC) communications strategy for information dissemination and creating awareness toward its programmes, activities and business opportunities.

The quarterly published bulletin is in conjunction with the introduction of MGTC's new corporate logo unveiled on 22nd July 2021, as part of the ongoing progression of our branding. The MGTC responsibilities have amplified and evolved over the last decade.

The logo transformation aims to reflect the principles of MGTC and to symbolize our commitment to exponentially drive the green economy and accelerate climate action. Our new corporate logo crystalizes the acronym MGTC at the centre to solidify our position at the core as the principal agency on green technology, environmental sustainability and climate actions in Malaysia.

The seven lines symbolically represent the ripples of technology and information dissemination and, partnership across key stakeholders from Federal and State Governments to Local Authorities, Industry, Academia, NGOs and the Community.

Please visit www.mgtc.gov.my for detailed information



Launching of Marrybrown as Malaysia Pavilion Café Operator

5th October 2021

The Honourable Vice Chairman of Al Abbas Group, Ismail Ali Abbas and key officials were present to officially launch the Marrybrown outlet at our Malaysia Cafe. Visitors at the pavilion will not miss the tantalising crispy fried chicken, burgers, fries and wraps served from the bright red Marrybrown sign which is synonymous with good quality chicken.



The Honourable Vice Chairman of Al Abbas Group, Ismail Ali Abbas was greeted by Mr. Mohd Hasril Abdul Hamid Consul General of Malaysia in Dubai and Mr. Shamsul Bahar Mohd Nor, MGTC CEO



Ribbon cutting : From Left : Mr. Mohd Hasril Abdul Hamid Consul General of Malaysia in Dubai, The Honourable Vice Chairman of Al Abbas Group, Ismail Ali Abbas and Mr. Shamsul Bahar Mohd Nor, MGTC CEO

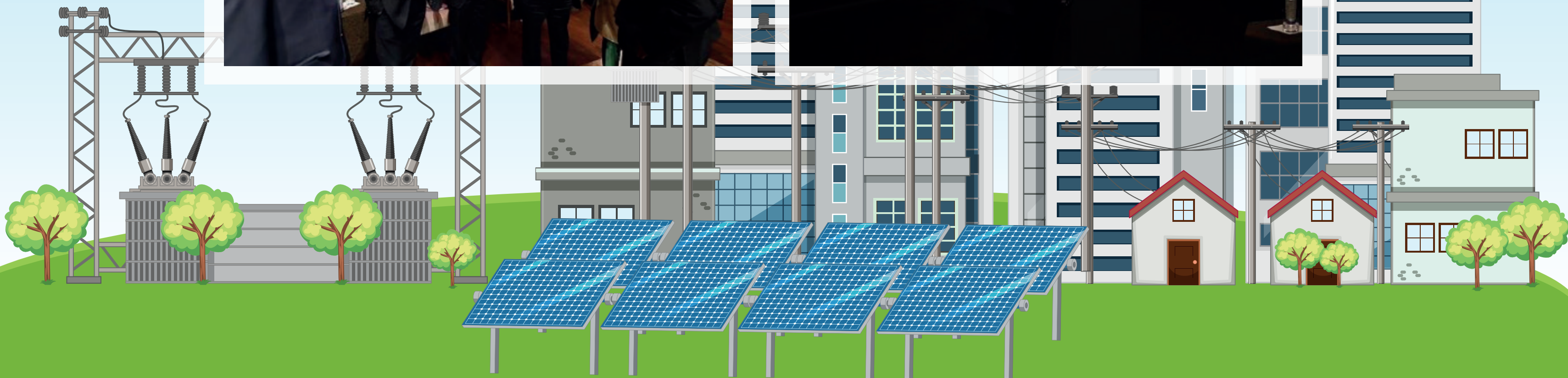
The Climate Change Conversation on Sustainable Infrastructure Forum

25th October 2021

The Climate Change Conversation on Sustainable Infrastructure forum was officiated by Ministry of Environment and Water (KASA) Secretary-General Dato' Seri Ir. Dr. Zaini Ujang.

The forum was held in conjunction with the Climate Resilience and Sustainable Infrastructure Week spearheaded by the ministry as part of Malaysia Pavilion's weekly thematic programmes for Expo 2020 Dubai.

The forum was participated by several distinguished speakers including WIEF Chairman Tan Sri Dr. Syed Hamid Albar and Prof Emeritus Tan Sri Zakri was a panelist and moderator in two separate sessions of the forum.



Alliance Bank and MGTC Help SMEs Transition to More Sustainable Practices

26th October 2021

Alliance Bank Malaysia Berhad (“Alliance Bank” or the “Bank”) has signed a three-year Memorandum of Co-operation with the Malaysian Green Technology and Climate Change Corporation (“MGTC”) to help businesses transition to more sustainable business practices.

Through this Memorandum of Co-operation, Alliance Bank will work with MGTC to promote the Green SME Nurturing and Development Programme to its customers. The programme comprises training, green certification, and business matching opportunities.

The Bank and MGTC will help SMEs to improve their understanding of growth opportunities for ESG-compliant businesses. The programme aims to help SMEs structure their sustainability roadmap through consultation, training sessions, briefings and workshops.

MGTC will also help SMEs that are ESG solution providers obtain the MyHIJAU certification and be listed on the MyHIJAU Directory, an online resource for certified green products and services. The MyHIJAU Mark is the official green recognition endorsed by the Malaysian Government. MyHIJAU-certified

businesses can apply for tax exemption incentives such as the Green Investment Tax Allowances (GITA) and Green Income Tax Exemption (GITE). Certified businesses can also choose to be listed on the International Greentech & Eco Products Exhibition & Conference Malaysia (IGEM) platform. Through the platform, they will be invited to participate in networking forums and activities.

At the same time, these businesses will be listed on Alliance Bank’s BizSmart® Solution portal. This online business community portal enables business owners to reach out to new customers and access relevant solutions and resources to manage their business more efficiently. The Bank provides green financing with preferential rates to SMEs implementing sustainable business practices, including ESG solution providers. The Bank will also help facilitate access to government grants such as the Green Technology Financing Scheme.

“As a Bank that is focused on helping SMEs succeed, this collaboration with MGTC supports our commitment to help business owners adopt ESG practices and innovations to reduce their carbon footprint,” said Mr Joel Kornreich, Group Chief Executive Officer of Alliance Bank.

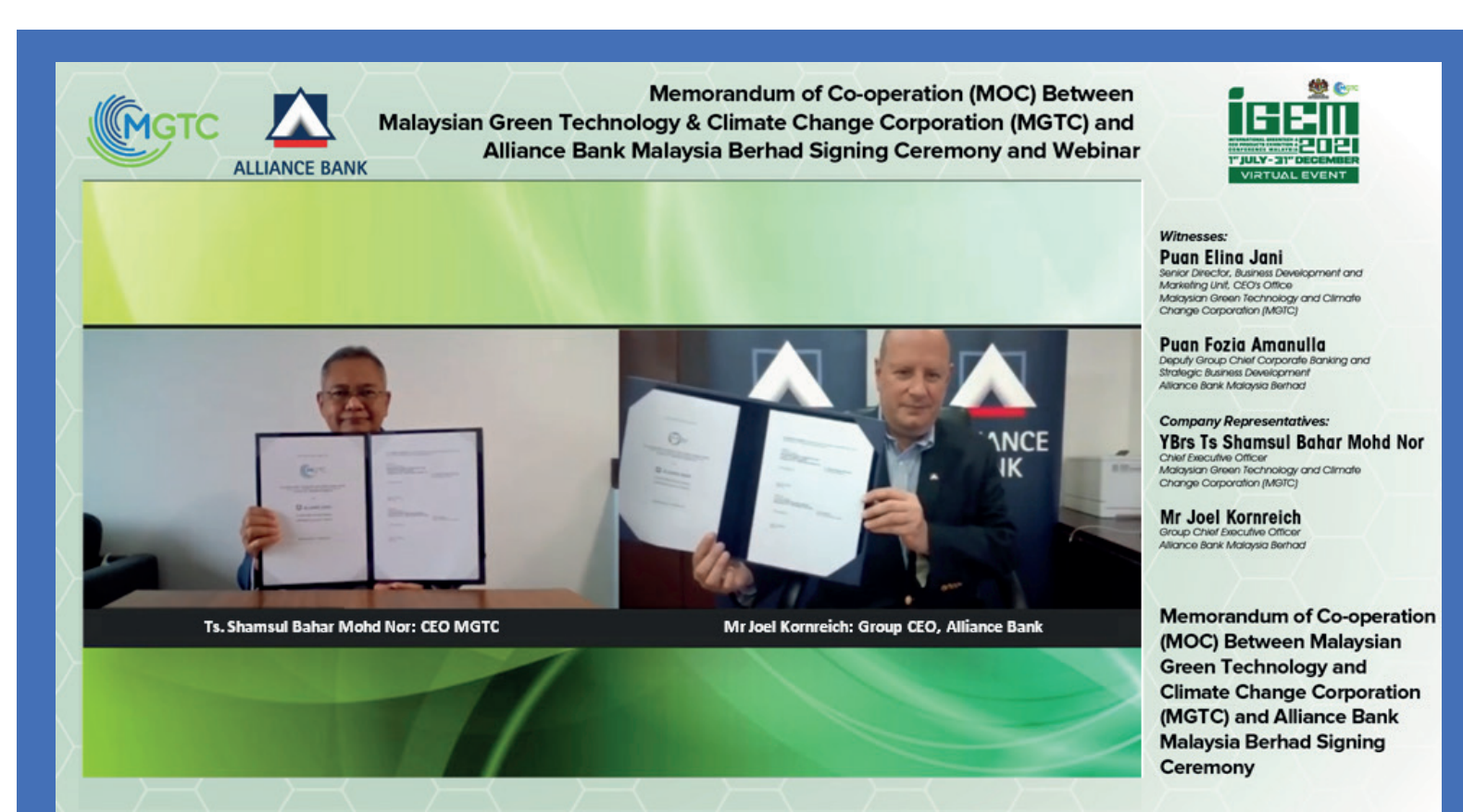
“MGTC as a government agency have the role to mainstream the Green Economy through green products and service expansion programs, drive climate change mitigation actions such as advocacy for energy efficiency and renewable energy, low carbon city programs and low carbon mobility, and cultivate a green lifestyle through publicity and awareness programs in fostering cooperation between the government and private sector on the global-scale platform. For that, we would like to see continuation of our joint efforts for building a long-term and strategic partnership between MGTC and Alliance Bank,” said Ts. Shamsul Bahar Mohd Nor, Chief Executive Officer of Malaysian Green Technology and Climate Change Corporation.

The Bank has also recently signed a five-year Memorandum of Understanding with MGTC to run the EcoBiz Challenge programme for tertiary students. The programme integrates MGTC’s 20-week comprehensive learning programme, Jana Graduan Usahawan Hijau (“JaGUH”). This year’s EcoBiz Challenge 4 offers RM10,000 in cash for the Best Green Social Business Idea.

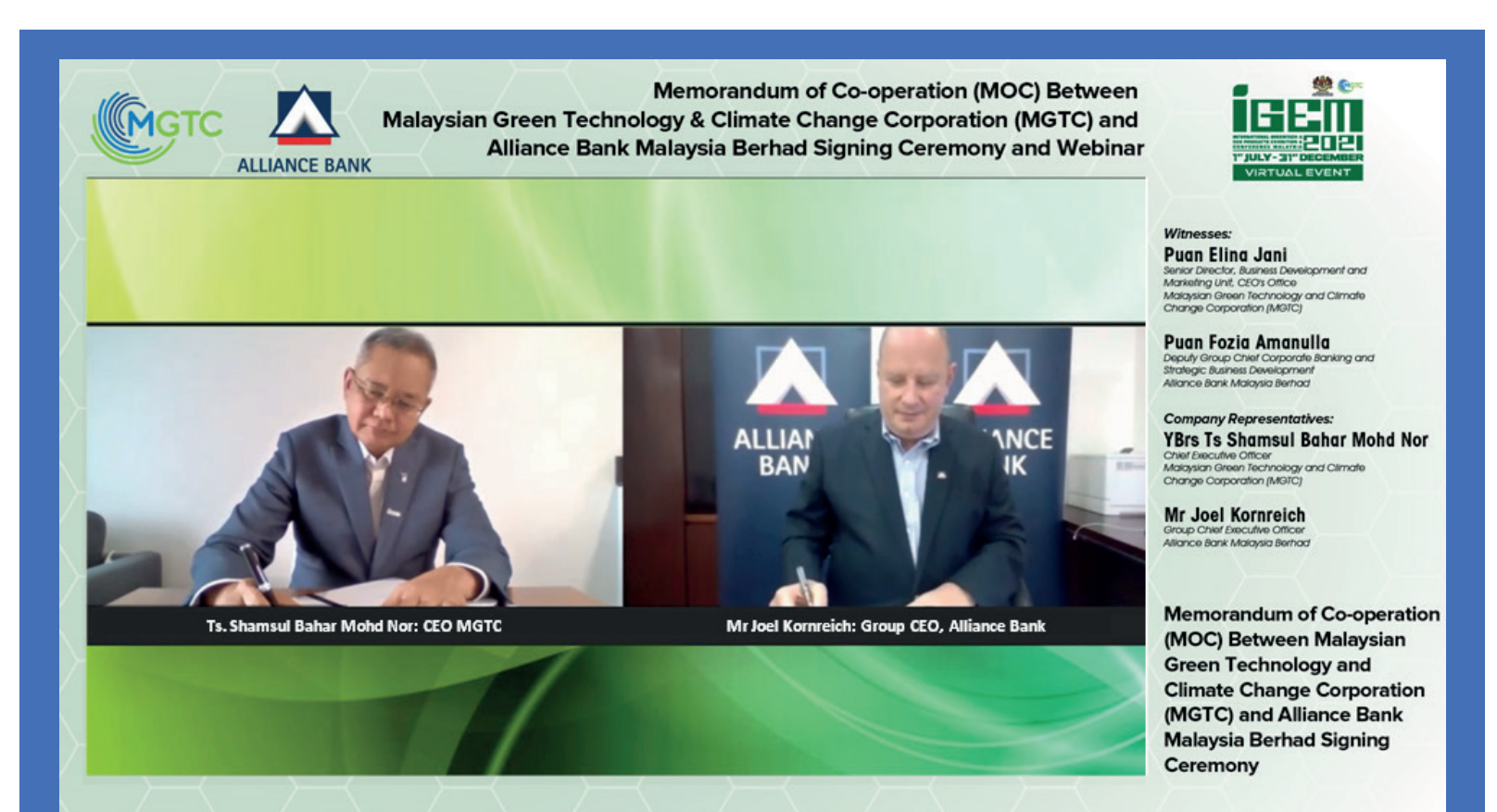


Top L-to-R: Ts. Shamsul Bahar Mohd Nor, Chief Executive Officer of Malaysian Green Technology and Climate Change Corporation (MGTC) and Mr Joel Kornreich, Group Chief Executive Officer of Alliance Bank signed a three-year Memorandum of Co-operation to promote the Green SME Nurturing and Development Programme to its customers.

L-to-R: Puan Elina Jani, Senior Director, Business Development and Marketing Unit, CEO’s Office of Malaysian Green Technology and Climate Change Corporation (MGTC) and Puan Fozia Amanulla, Deputy Group Chief Corporate Banking and Strategic Business Development of Alliance Bank witnessing the Memorandum of Co-operation between MGTC and Alliance Bank.



Ts. Shamsul Bahar Mohd Nor, Chief Executive Officer of Malaysian Green Technology and Climate Change Corporation (MGTC) and Mr Joel Kornreich, Group Chief Executive Officer of Alliance Bank at the virtual signing ceremony of the Memorandum of Co-operation between MGTC and Alliance Bank to help SMEs to improve their understanding of growth opportunities for ESG-compliant businesses.



Ts. Shamsul Bahar Mohd Nor, Chief Executive Officer of Malaysian Green Technology and Climate Change Corporation (MGTC) and Mr Joel Kornreich, Group Chief Executive Officer of Alliance Bank at the virtual signing ceremony of the Memorandum of Co-operation between MGTC and Alliance Bank to help businesses transition to more sustainable business practices.

Showcasing Virtual IGEM2021 at Expo 2020 Dubai

18th October - 8th November 2021

The Malaysia "Rainforest Canopy" Pavilion at the Expo 2020 Dubai in the United Arab Emirates (UAE) has attracted hundreds of thousands of visitors since it officially opened to the public on Oct 1. Spanning 1,234 square metres, the pavilion, themed "Energising Sustainability", is the first net zero carbon installation at the Expo 2020 Dubai.

As part of its trade & business week program that aims to provide local Malaysian companies the opportunity for access to global markets, the Environment and Water Ministry or KASA hosted Week 3 – Week 5 (Oct 18 to Nov 6) with the main theme Green Growth: Ready for Global Opportunities.

IGEM being KASA'S flagship event participated as an exhibitor in Week 3 with the theme "Green Technology Innovation", Week 4 "Climate Resilience and Sustainable Infrastructure", and Week 5 "Low Carbon Cities" with the objective to showcase its Virtual IGEM2021 platform and syndicate with relevant stakeholders on the promotion of IGEM2022. It achieved its objectives by participating the activities below -

- (a) Networking with more than 30 Malaysian companies including 25 International delegates at the Business Centre.
- (b) Visits to 12 country pavilions to share IGEMs value proposition to invite the respective countries business community to participate in IGEM 2022.
- (c) Visit to Cable, Satellite and Broadcast Technologies (CABSAT) to promote IGEM 2022 including meetings with Media Partners that covers the Middle East



YBM KASA, Datuk Seri Tuan Ibrahim Tuan Man visits IGEM's Kiosk at Business Centre, Malaysia Pavilion

Overall, this participation has effectively increased the profile and awareness of the IGEM brand and managed to obtain 558 business contacts to explore on business opportunities including future collaborations.

Memorandum of Understanding Signing Ceremony between MGTC and Smart Sabah

9th November 2021



Sabah is set to become a hub for hydrogen and other renewable energy production, said Deputy Chief Minister Datuk Seri Bung Moktar Radin. The state Public Works Minister said the green aim could be achieved via comprehensive development that include upstream and downstream businesses, logistics management and the selling of the energy.

The state government, via its state-owned company Smart Sabah Corporation Sdn Bhd, has identified several main projects including the proposal on large scale solar development for hydrogen gas producer system; Green Independent Power Plant; and Ocean Thermal Energy Conversion.

Among the identified locations for the development are a 50ha area covering Kalabakan, Pulau Layang-Layang and Pulau Kelumpang.

“For beginning, Smart Sabah Corporation Sdn Bhd has signed agreement with Malaysia Green Technology and Climate Change Corporation (MGTC) on Nov 9 to enable a possible feasibility study to kick start the renewable energy project.

“This project is expected to bring in direct investment of not less than RM25 billion to Sabah apart from creating 20,000 job opportunities in various sectors for the people of Sabah,” said Bung, adding that the project is expected to start next year.



Malaysia's Green Technology & Climate Change Action and Incentive to Industry Webinar

11th November 2021



Malaysian Green Technology & Climate Change Corporation (MGTC) in collaboration with The Japanese Chamber of Trade & Industry, Malaysia (JACTIM) have organised the Malaysia's Green Technology & Climate Change Action and Incentive to Industry on 11th November 2021 to give insights on national green technology policy and a seminar on green investment incentives especially to JACTIM members and Japanese Companies in Virtual IREM 2021 platform

This webinar started with keynote speech by Mr Daiji Kojima, President of JACTIM and CEO of Mitsui Malaysia, followed by a keynote address by Dato' A. Bakar Jaafar, Chairman of Malaysian Green Technology and Climate Change Corporation (MGTC). The event continues with presentation and Q&A session with MGTC representatives, which are:

Moderator:

1. Mr Kazuya Kitae Chief Coordination Officer JACTIM (The Japanese Chamber of Trade & Industry, Malaysia).

Speakers:

1. Government Initiatives in Promoting Green Industry In Malaysia
Mr Malik Atan
Head Green Standards & Verification Centre
Malaysian Green Technology & Climate Change Corporation (MGTC)
2. Government Initiatives in Climate Change Action in Malaysia
Dr. Gary William Theseira

Technical Advisor

Malaysian Green Technology & Climate Change Corporation (MGTC)

OPENING CEREMONY HALAL CLUSTER WEEK

15th November 2021

Halal Development Corporation Berhad (HDC) and the Malaysia External Trade and Development Corporation (MATRADE) are set to host the Halal Cluster Week from 14 - 20 November 2021 at the Malaysia Pavilion, in conjunction with the ongoing World Expo 2020 Dubai in United Arab Emirates (UAE).

Halal Cluster Week was launched by the Ministry of International Trade & Industry Deputy Secretary-General (Industry) Dato' Sri Norazman Ayob on 15 November 2021.

The trade and business week is organised by MITI together with its agencies Matrade and HDC. Halal Cluster Week showcasing Malaysia's capabilities in managing a global halal ecosystem and its attraction as a viable hub for production of halal products and services.



(From left) - Malaysia External Trade Development Corporation Deputy Chief Executive Officer Sharimahton Mat Saleh, Halal Development Corporation Chief Executive Officer Hairol Riffein Sahari, Ministry of International Trade and Industry Deputy Secretary-General (Industry) Dato' Sri Norazman Ayob, Chartered Institute Logistics and Transport (CILT) International President Dato'. Hj Muhammad Muhiyudin Abdullah, and CILT Malaysia Vice-President Dr. Md Nizam Baharom

Digitalisation and Investment Intensification Programme for Low Carbon Cities Launching Ceremony and Webinar

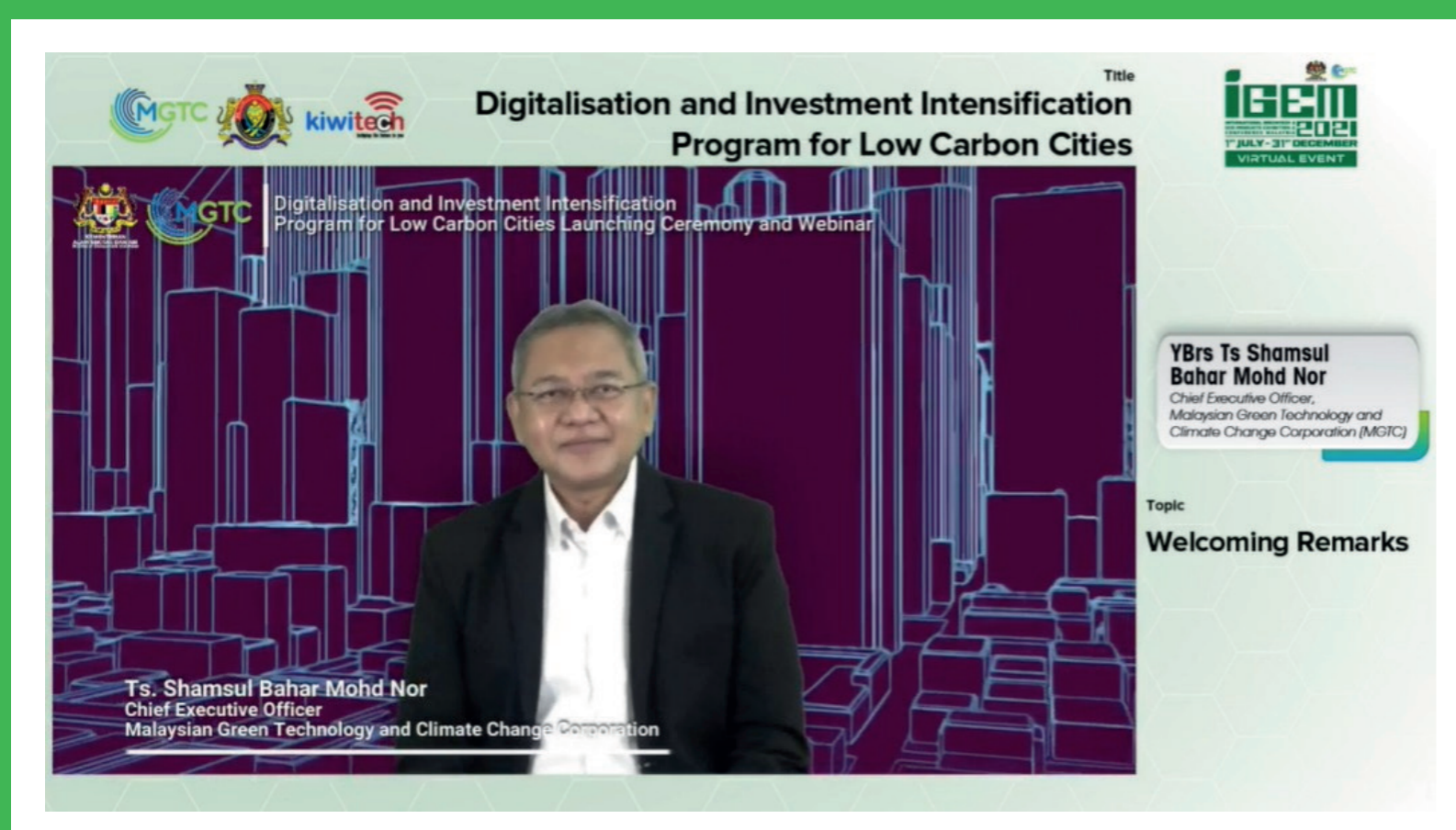
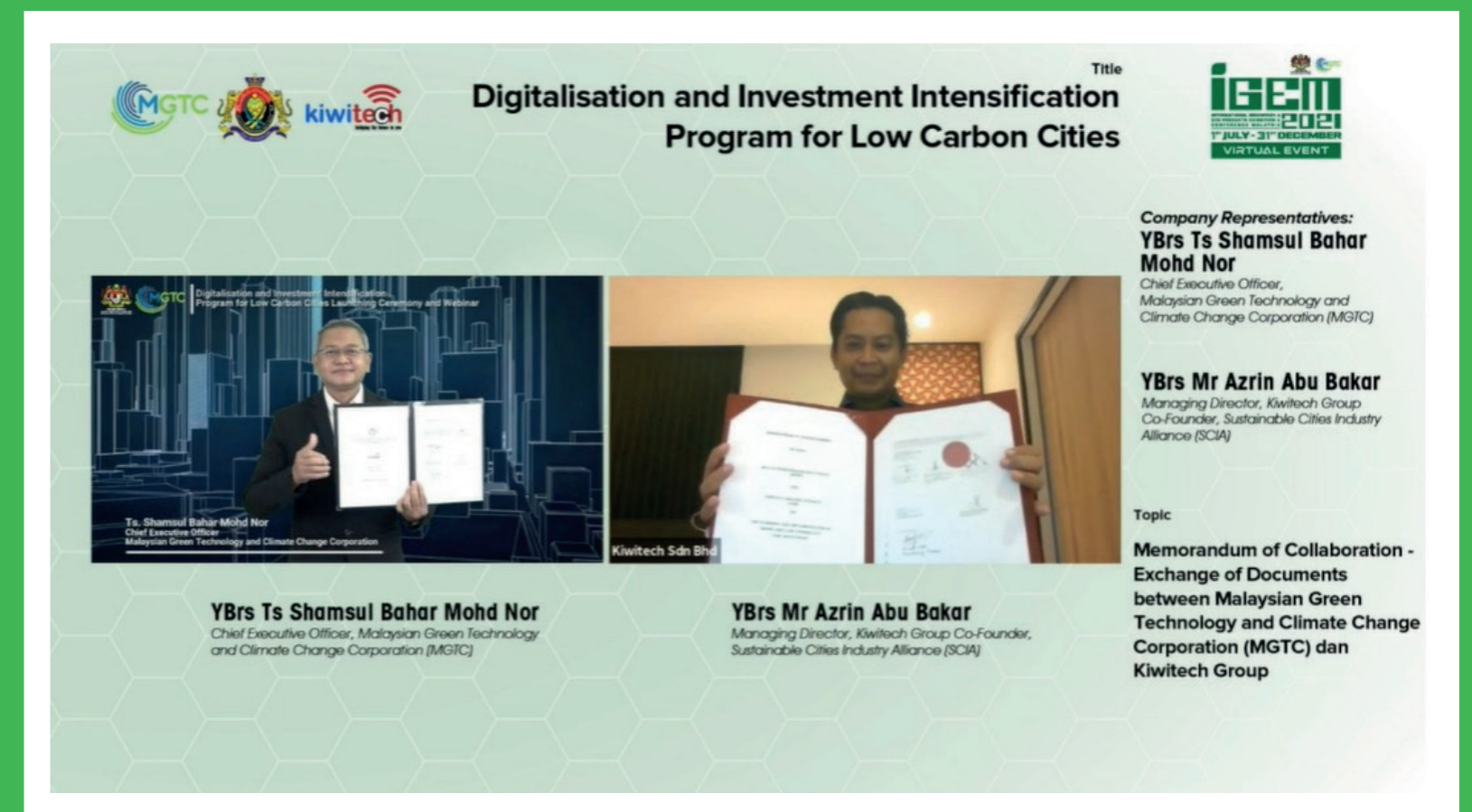
18th November 2021

The Malaysian Green Technology and Climate Change Centre (MGTC) via the Memorandum of Collaboration with Kiwitech Group, formalised the collaboration on the Low Carbon Cities Implementation.

This Public-Private Partnership (PPP) between the parties is intended to support MGTC in intensifying the Digitalisation and Green Investments in Cities. Through this collaborative initiative, it is anticipated that it will enable MGTC to strengthen and support Climate Data Management through bottom-up reporting to the Government.

In operationalising the partnership, MGTC acts as the National Level Delivery Partner, whereas Kiwitech perform as the Local Level Delivery Partner to support the Low Carbon Cities agenda for the 12th Malaysia Plan primarily to deliver 100 Low Carbon Zones and 500 Low Carbon Partners by 2025.

In driving its national mandate in Low Carbon Cities, MGTC is geared to digitalise the various processes of application by cities, auditing and reporting of the program, as well as monitoring green investments into cities. In this manner, a year-to-year targets can be planned and executed in order to achieve annual quantifiable outputs with regards to emissions level, investments, green jobs, No's of low carbon zones and No's of low carbon partners.



Ts Shamsul Bahar Mohd Nor, Chief Executive Officer of MGTC expressed “Guided by our National Low Carbon Cities Framework and National Green Technology Masterplan, that is anchored accelerating the shift towards a new Climate Economy, that is characterised by high value-added climate activities and socio-economic multipliers”.

As the Quick Win to this program, the collaboration focuses on leveraging on Kiwitech’s existing CCTV

assets to provide environmental related analytics, projects for Low Carbon Zones, Smart Traffic Light, Low Carbon City Dashboard. To support and coordinate the implementation of these projects, a Joint Delivery Office (JDO) supported by Kiwitech as th Local Level Delivery Partner. This JDO will also plan, coordinate and report the overall progress of the Low Carbon Cities Program in collaboration with Local Councils.

Founded in 2000 and with its presence in 25 Malaysian cities, Kiwitech is now pioneering a game changing Low Carbon Cities Implementation Model in Malaysia, with an aim to advocate the holistic and integrated approach to support the Sustainable Development Goal 11 on Sustainable Cities and Communities involving Policies, Programs and Projects. In ensuring early success and uptake of this Program, Kiwitech also promotes ‘Low Carbon Cities City As A Service’ model through government Operational Expenditure (OPEX).

“This OPEX based approach minimises government’s CAPEX expenditure, minimise technology and maintenance risks. Through this model, government will be able to leverage on private sector capabilities and funding resources to accelerate Low Carbon City implementation in Malaysia.” said Azrin Abu Bakar, Managing Director of Kiwitech Group.

As the Founding Member of Smart City Industry Alliance (SCIA), Kiwitech also takes industry leadership to intensify other private sector investments in cities through SCIA’s climate solutions in addressing cities’ urbanisation and climate change challenges.

The Memorandum of Collaboration was signed by the Ts Shamsul Bahar Mohd Nor, Chief Executive Officer of MGTC and En Azrin Abu Bakar, Managing Director of Kiwitech Group.

#ENERGISEMY CAMPAIGN LAUNCH

18th November 2021

The Honourable HH Tunku Zain Zain Al Abidin' Ibni Tuanku Muhriz has launch the Malaysia Pavilion's #EnergiseMY social campaign.

Celebrating contributions big and small towards a sustainable future, the campaign is a collection of stories from around the world that will be featured on the Malaysia at EXPO 2020 social platforms.

His Highness Tunku Zain Al-'Abidin Ibni Tuanku Muhriz also kicks off #EnergiseMY as the first Energiser. He is an outspoken advocate for green growth efforts and local community empowerment. Also present at the event was Mr. Syed Ahmad Syed Mustafa, Chief Operating Officer of the Malaysia Green Technology and Climate Change Corporation (MGTC).



From Left Michelle Lau, Pavilion Director, Mr. Syed Ahmad Syed Mustafa, MGTC COO, His Highness Tunku Zain Al-'Abidin Ibni Tuanku Muhriz #MyButterfly Effect Campaign Ambassador and Mr. Mohd Hasril Abdul Hamid Consul General of Malaysia in Dubai

Opening Ceremony NCER Week: Your Preferred Investment Destination In Malaysia

22nd November 2021

NCIA led by En. Hasri bin Hassan, Chief Operating Officer of NCIA is participating in the World Expo 2020 in Dubai, United Arab Emirates (UAE) from Nov 21-27, to showcase trade and investment opportunities in the NCER.

Opening Ceremony of the Week 8 was officiated by His Excellency Mohd Tarid Sufian, Ambassador Of Malaysia To The United Arab Emirates (UAE).

NCER is featured as an ideal investment and trade destination complete with sustainable economic ecosystem to support investors looking to expand or establish their business and operations in Malaysia.



His Excellency Mohd Tarid Sufian, Ambassador Of Malaysia To The United Arab Emirates (UAE) officiated the Opening Ceremony of week 8

MGTC and ABB Inked MOU To Further Raise The Nation's EE Efforts

26th November 2021

The Malaysian Green Technology and Climate Change Corporation (MGTC) has forged a strategic alliance with ABB Malaysia Sdn. Bhd. to pursue further energy efficiency (EE) collaborations.

A Memorandum of Understanding (MoU) on the matter was signed during a virtual event streamed during the IGEM 2021 on 26th November 2021. The MoU outlines areas for collaboration such as awareness building; advocating the development of minimum efficiency standards for electric motors; engaging key stakeholders in knowledge sharing dialogues; and establishing partnership networks to help industries identify energy-efficient technology and solutions that deliver the greatest value.

MGTC Chief Executive Officer Ts. Shamsul Bahar said at the signing, "Our commitment to addressing climate change began even before the Paris Agreement was signed when the country announced its carbon mitigation target at the United Nations Framework Convention on Climate Change (UNFCCC) meeting in 2009. We have come a long way, but more can be done especially in increasing the uptake of EE." Three national policies, namely the

National Green Technology Policy (NGTP), the National Climate Change Policy (NCCP) and the Green Technology Master Plan (GTMP), set out a coherent framework to drive Malaysia's low carbon future. In joining the global initiative to combat climate change, Malaysia has pledged to reduce its greenhouse gas emissions intensity of GDP by 45% in 2030 based on 2005 emission levels.

Some of Malaysia's green measures are the Low Carbon Cities 2030 Challenge and the Low Carbon Mobility Blueprint. The Low Carbon Cities 2030 encourages municipalities towards initiating low-carbon initiatives in their cities, while the Low Carbon Mobility Blueprint promotes low-carbon initiatives in the transport sector.

"We have seen successes in areas of facilitating green financing in Malaysia, promoting green procurement in the public sector via our MyHIJAU Recognition Scheme for green products and services in addition to the overwhelming response from municipalities in Malaysia to our Low Carbon Cities 2030 Challenge programme," he added.

The MoU signing was followed by a webinar, Energy Efficiency and Digitalization – Increasing the Agility of Industries.



Awareness and Capacity Building Session for the Updated Nationally Determined Contribution (NDC) Malaysia

2nd December 2021

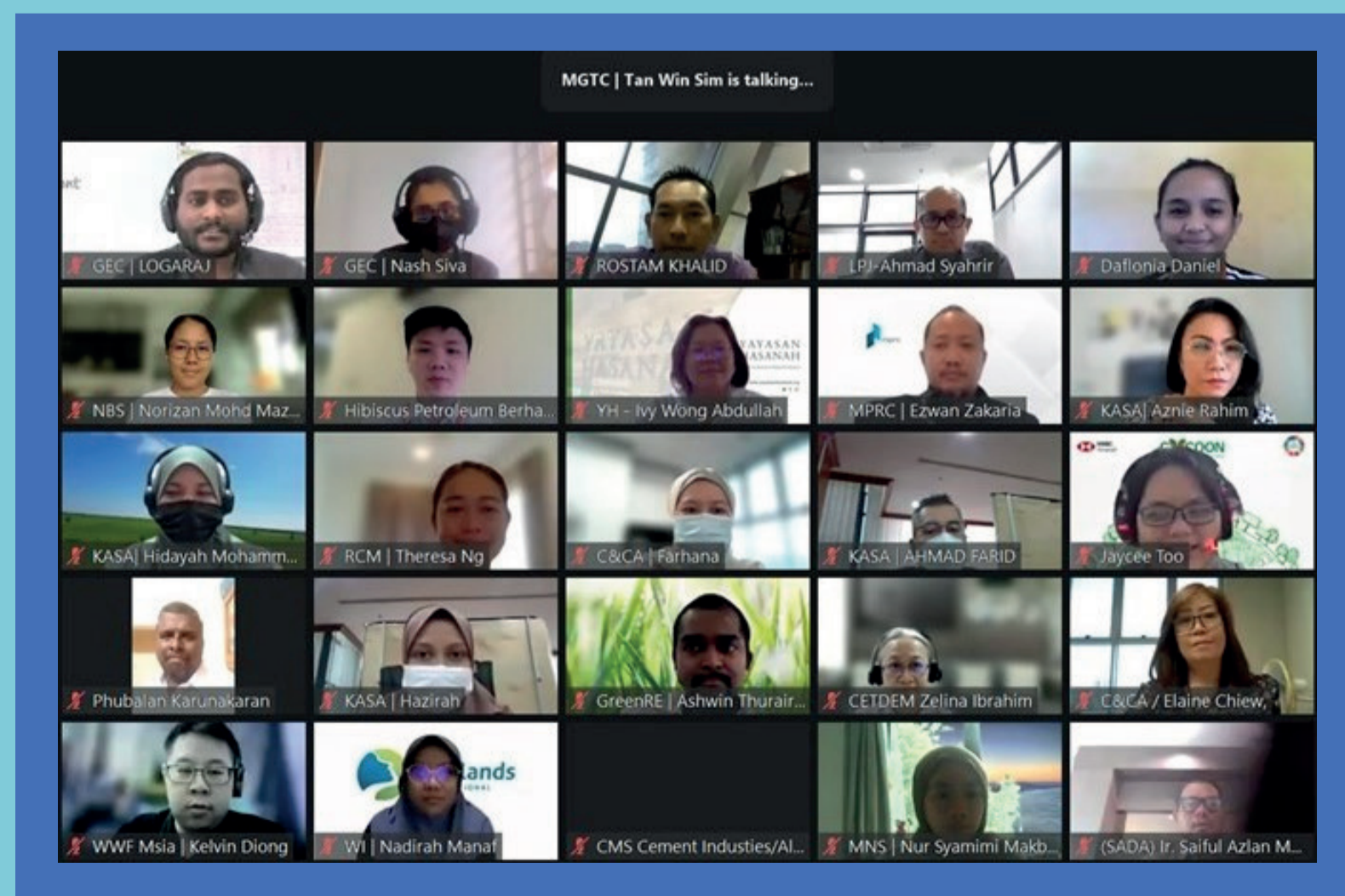
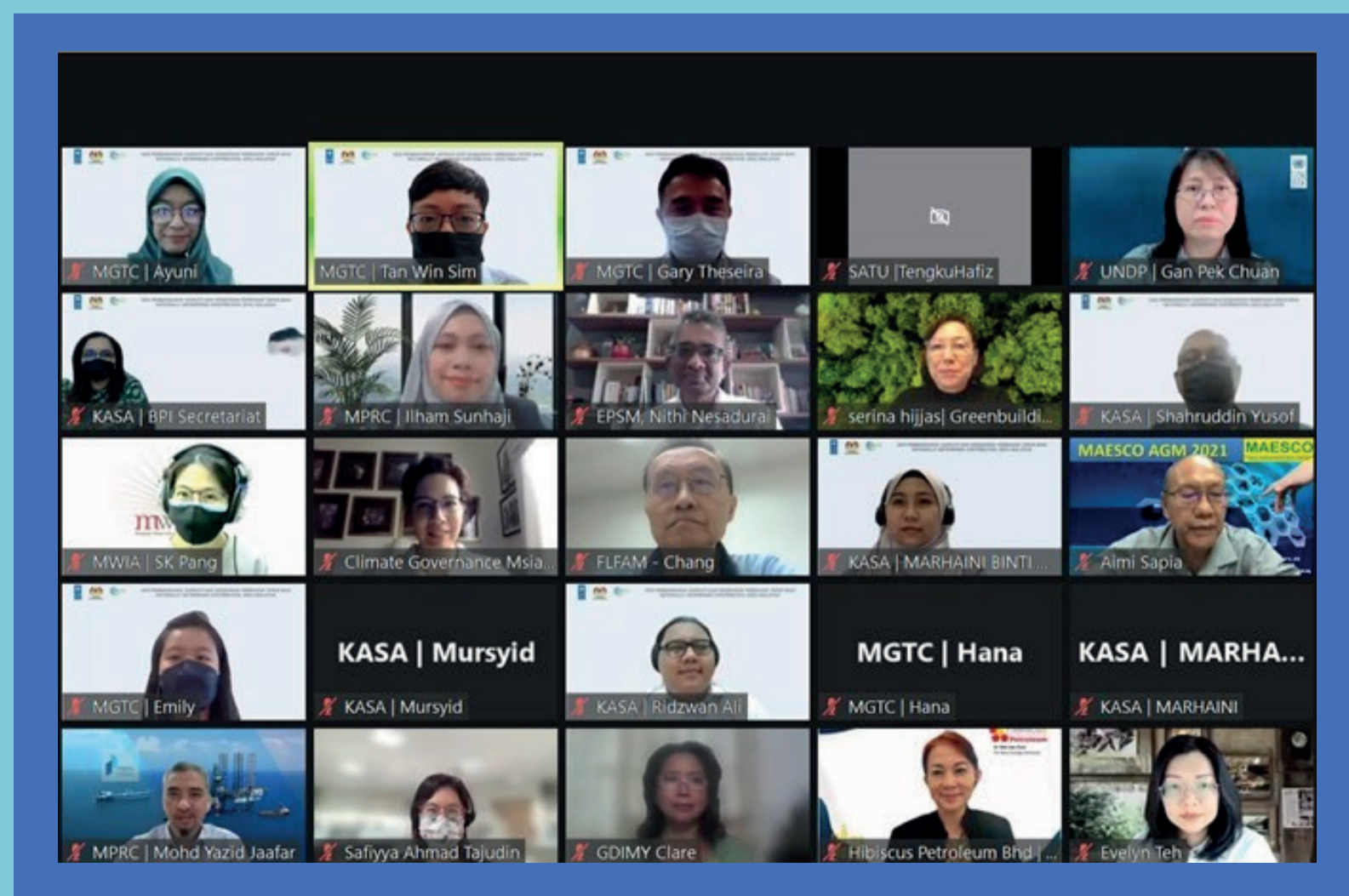
The 2nd session of Awareness and Capacity Building Session for the Updated Nationally Determined Contribution (NDC) Malaysia was held on 2 December 2021. The half-day workshop saw a total of 116 participants mainly from private sectors & non-governmental organization (NGO). The session was held virtually via Zoom platform.



The Ministry of Environment and Water (KASA) and Malaysian Green Technology and Climate Change Corporation (MGTC) co-organized this session with the support of United Nations Development Programme (UNDP) Malaysia under the Climate Promise Project.

This Capacity Development and Stakeholder Awareness session aim to build capacity and stakeholder awareness of the completed NDC Malaysia with key stakeholders. The session comprises of two key presentations from Climate Change Section, KASA, which covers key climate change initiatives in Malaysia as well as a presentation on the submitted updated Malaysia's NDC. Thereafter, a moderated discussion session was followed, where participants were invited to submit their questions to be answered and discussed by the presenters.

Bulk of the discussion focused on the Domestic Emissions Trading Scheme (DETS) and Voluntary Carbon Market (VCM) that was recently announced by KASA. Private sectors were keen to understand how they can contribute towards the NDC roadmap and Long-term Low Greenhouse Gas Emission Development Strategies (LT-LEDS).



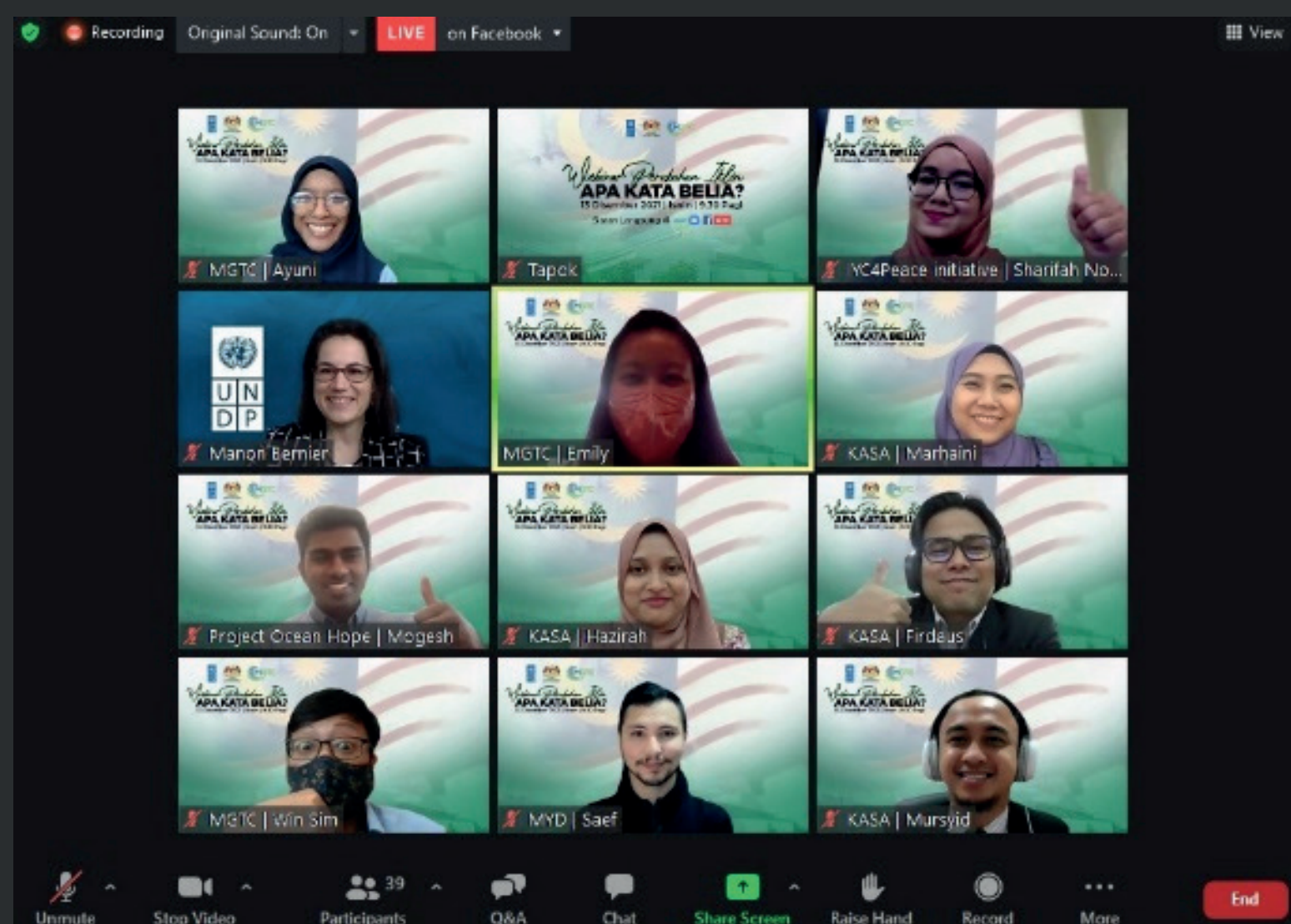
Webinar Perubahan Iklim: Apa Kata Belia?

13th December 2021

Webinar *Perubahan Iklim: Apa Kata Belia?* was co-organised by the Ministry of Environment and Water (KASA) and Malaysian Green Technology and Climate Change Corporation (MGTC) with the support of United Nations Development Programme (UNDP) Malaysia under the Climate Promise Project.



This half-day virtual webinar was held on the 13th December 2021 and recorded a total of 479 viewers from Facebook and 34 participants from Zoom. The objective of this webinar is to socialise and create awareness among youth on climate change in Malaysia. The session started with opening remarks from, YB Dato' Mansor bin Haji Othman, Deputy Minister of the Ministry of Environment and Water. Thereafter, Ms. Manon Bernier the UNDP Deputy Resident Representative for Malaysia, Singapore and Brunei Darussalam gave her welcoming speech followed by a presentation by Ms. Marhaini from Climate Change Section, KASA on the contexts of current Climate Change Initiative in Malaysia.



The highlight of the event was the panel discussion moderated by Mr. Mohamad Firdaus Nawawi from Climate Change Section, KASA. The four panellists were Sharifah Norizah Syed Ahamad Kabeer from International Youth Centre (IYC) Kuala Lumpur; Wan Muhammad Saefullah from Malaysian Youth Delegation (MYD); Mogesh Sababathy from Project Ocean Hope; and Nur Hazirah Che Ithnin from Climate Change Section, KASA.

The presentations by the panellists were followed by a lively open discussion. Several young people in the audience made a passionate appeal for strong and

immediate action on climate change education in schools, promotion of low carbon technologies and elimination of single use plastics. Summing up the discussion, the panellists voiced out their aspirations and urged the young people not to lose their passion and commitment to start taking collective action together to confront climate change.



RUMAH IBADAT HIJAU

Launching Ceremony of Wakaf Masjid Hijau & Solar PV system at Al-Hasanah Mosque, Bangi

15th December 2021

On 15th December 2021, The Ministry of Environment and Water (KASA), MGTC and Yayasan Waqaf Malaysia (YWM) launched the Wakaf Masjid Hijau, which aims to provide an alternative source of finance for mosques to fund green technology projects at their premises. The launching ceremony held at MGTC's office at Bandar Baru Bangi, was officiated by YB Dato' Mansor bin Haji Othman, Deputy Minister, KASA. Also in attendance was Dato' Selamat bin Paigo, Director General of Jabatan Wakaf Zakat dan Haji (JAWHAR), Dato' Jana Santhiran a/l Muniayan, Deputy Secretary General of KASA, Ts Shamsul Bahar, CEO of MGTC and Associate Professor Dr. Amir Bin Shahrudin, CEO of YWM.

The Wakaf Masjid Hijau supports the implementation of the Rumah Ibadat Hijau (RIH) programme, where selected places of worship will adopt green practices and apply green technologies to save energy, conserve water and manage waste efficiently. During the event, a Memorandum of Understanding (MOU) was exchanged between MGTC and Yayasan Wakaf Malaysia (YWM) on Wakaf Masjid Hijau.

The launching ceremony of Al-Hasanah Mosque's solar PV system was also held on the same day at the MGTC office in Bandar Baru Bangi. The event was officiated by YB Dato' Mansor bin Haji Othman, Deputy Minister, Ministry of Environment and Water (KASA). The Solar PV system installed in Al -Hasanah mosque has a capacity of 22.36 kwp and is now fully operational. This initiative is part of the RIH programme.



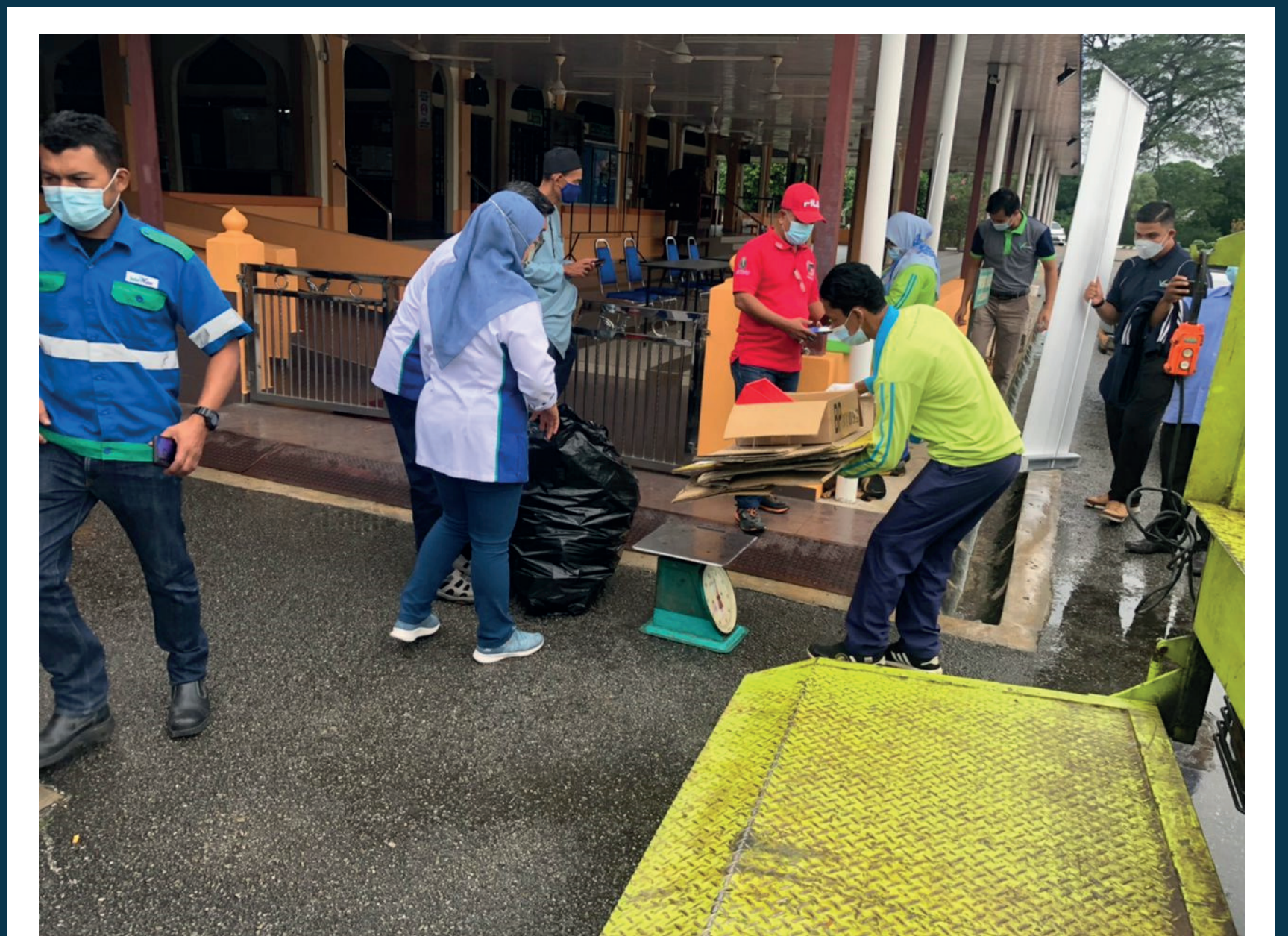
Launching Ceremony of Al-Hasanah Mosque's Solar PV System held at MGTC office. From left to right: Norhasliza Mokhtar (Senior Director of Cities and Industry Division, MGTC), Dato' Adissadikin Ali (Managing Director, RHB Islamic Bank Bhd), YB Dato' Mansor bin Haji Othman (Deputy Minister, KASA) and Ustaz Mohd Safian bin Abdul Rahman (Nadzir of Al-Hasanah Mosque)

Community Day with Ahli Kariah of Ara Kuda Jamek Mosque, Penang

19th December 2021

Ara Kuda Jamek Mosque, Indah Water Konsortium (IWK) and MGTC organized a Community day with the ahli kariah of Ara Kuda Jamek Mosque and nearby residents. The event, held on 19th December 2021 at the Ara Kuda Jamek Mosque in Bukit Mertajam, was to encourage and educate residents on the importance of preserving the environment. Residents who participated in the community day received cash rewards in exchange for recycling waste products and used cooking oil.

IWK also opened a booth which contained brochures and information on waste management and the environment. Also during the event, a mock cheque of RM1,000 was presented by MGTC on behalf of the Ministry of Environment and Water (KASA) to Ara Kuda Jamek Mosque. This donation was part of the Rumah Ibadat Hijau program, and the funds are to be used for green initiatives at the mosque.. MGTC also handed over a draft of the Energy and Water Audit Report to the Chaiman of the Ara Kuda Jamek Mosque.



Residents participating in the recycling items for cash program

Extended Producer Responsibility (EPR) Webinar Series

15th - 22nd December 2021

Malaysian Green Technology and Climate Change Centre (MGTC) in collaboration with World Wide Fund for Nature Malaysia (WWF-Malaysia) co-organised a webinar series entitled “Malaysia Accelerating Transition Towards Circular Economy: Extended Producer Responsibility (EPR)”.

The Webinar series, which was supported by Collaboration Action Plan SUP Prevention Project SEA (CAP-SEA) under GIZ Malaysia, was held in conjunction with the Virtual International Green Technology Exhibition 2021 (IGEM 2021). The event was divided into two sessions. The first session was held on 15th December 2021 while the second session was held on 22nd December 2021.

The event was officiated by En. Che Kodir Baharum, Director, Environmental and Natural Resources Division, Economic Planning Unit and included speakers from KASA, MPMA (Malaysian Plastic Manufacturers Association), MAREA (Malaysian Recycling Alliance), MPRA (Malaysia Plastic Recycler Association), WWF (World Wide Fund for Nature), MGTC, Oeko Institut and Cyclos.

The purpose of the webinar was to educate the public and to engage stakeholders on the topic of EPR. EPR is a policy tool that extends the responsibility of producers to the end of life of their products, thus helping to reduce the economic and environmental burdens of waste management.

EPR has been highlighted as an important agenda in the 12th Malaysia Plan and the Malaysia Plastic Sustainability Roadmap 2021-2030 and is seen as a key instrument in transitioning towards a circular economy.

NDA Signing Ceremony between MGTC, UTM Holdings, SCHB Engineering Services, Prisa Ocean Thermal Energy Conversion Technology Sdn Bhd, and Eco Group Holdings Sdn Bhd

7th December 2021



2021 Hi-Tea Session

21st December 2021



MGTC Hi-Tea Program for the year 2021 has been conducted on 21 December 2021 at Doubletree Hotel by Hilton in Putrajaya. The event held with a particular theme of **“MGTC Escapade – Around the World in 180 Minutes”** was attended by almost 100 guests, including its board of directors and staff.

In supporting the theme, our sporting guests attended the event wearing their best “international” outfit to get the feel around the world virtually.

This joyous end-of-year event was conducted especially in appreciation of all the teams’ hard work, support, and contribution to MGTC this year despite all the challenges faced during a series of movement control orders (MCO).



OPENING CEREMONY WEEK 12 : SABAH WEEK

21st December 2021

Sabah Deputy Chief Minister III and Sabah State Minister of Industrial Development Datuk Dr Joachim Gunsalam launched the Sabah Week trade and business programme (20th - 24th December 2021).

Sabah Week brings several state government ministries and agencies and 40 business delegates from 14 companies to promote Sabah SME products, tourism and investment potentials.



Special Cultural Performance by our JKKN dancers during the Opening Ceremony

OPENING CEREMONY WEEK 13 : SABAH WEEK

29th December 2021

Minister of Tourism, Arts and Culture The Honourable Minister Dato' Sri Hajah Nancy Shukri officially opened the Eco-Tourism Week trade and business programme at the Malaysia Pavilion.

The ceremony began with a ribbon-cutting ceremony at the classic traditional trishaw which is stationed at the Pavilion compound for visitors' attraction. The Minister also launched several Malaysia packages highlighting new



Ribbon Cutting : The Honourable Minister Dato' Sri Hajah Nancy Shukri (centre) cutting the ribbon as a symbolic launching of Ecotourism week.

ecotourism products in various destinations in Malaysia.

The Eco-Tourism Week is held from 26th to 31st December 2021, promoting Malaysia as the next Top of the Mind Ecotourism Destination in the World. It has 16 participants including companies, organisations, state tourism boards, associations, a hotel chain and tour operators.

Geran Pemangkin Bandar Rendah Karbon (GeRAK)

GeRAK Audits - December

From October to December 2021, MGTC audited several local authorities that received the GeRAK grant. The local authorities that were audited were Gerik District Council (MDG), Putrajaya Corporation (PPJ), Dalat & Mukah District Council (MDDM), Jasin Municipal Council (MPJ) and Kuala Lumpur City Hall (DBKL).

The audits were conducted through both online and hybrid sessions. The aim of the audit was to verify and validate the projects done by each local authority, which had been approved by the GeRAK Evaluation Committee.

GeRAK, or Geran Pemangkin Bandar Rendah Karbon, is part of the small projects approved under the Strategic Program to Empower the People and the Economy (PEMERKASA).

The third round of submissions for the GeRAK program was opened from 30th September to 29th October 2021. A total of 43 local authorities submitted their applications during the third round.



Under the GeRAK program, which has a total allocation of RM35 million, each local authority in Malaysia can apply for a grant worth a maximum of RM 250,000 to implement low carbon projects at public facilities in their area. Eligible projects must fall within the scope of the GeRAK project which covers the elements of energy, water, waste, mobility, and greenery. Participating Local Authorities must use the grant to fund “low hanging fruit” projects that reduce carbon emissions, benefit the public and that can pave the way for more ambitious projects in the future.

MGTC Teambuilding - Building High Performing Team Bonding

December 2021

A series of team-building sessions for the whole MGTC workforce has been conducted in November & December 2021. This session has been divided into four (4) separate sessions held at Cheringin Hills, Janda Baik & Tadom Hills Resort, Banting.

This particular programme has been arranged to achieve the following objectives:

- To internalise and embrace the organisation's aspirations and strategic direction
- To strengthen the team dynamic and synergy among the workforce
- To internalise the organisation's core values
- To demonstrate the high performing team bonding among the members
- To enhance team harmony and team trust in achieving business results.

The ultimate goal of this session was to bring people closer together and foster more collaboration on any issues and develop high-performing teams.

What a year! Despite all the constraints, we can find the accomplishments, victories, and a place of gratitude to celebrate.



Participant of the programme held in Tadom Hills Resort – completing team tasks and activities.



Participants of the programme at Cheringin Hills Resort



Energy Management Gold Standard (EMGS) Programme

December 2021

From October to December 2021, MGTC conducted a series of assessments for the Energy Management Gold Standard Programme. A total of 27 organisations – including Hospitals under the Ministry of Health, University Teknologi Malaysia Melaka, AmBank and Lembaga Pelabuhan Johor – were assessed from the aspects of their energy management system under the EMGS Star Rating system. Overall, a total of 65 EMGS assessments were conducted in 2021.

The EMGS star rating system is awarded to organisations that have successfully implemented a sustainable energy management system within their organisation.

To attain the EMGS 1-Star rating, an applicant must have appointed an energy manager, have an organisation-wide energy management committee and be able to demonstrate the implementation of an energy management system. As the next step, to obtain the 2-Star rating organisations must show a minimum of a 5% energy reduction from their baseline measurement. The 3-star rating is the highest rating in the EMGS system and requires organisations to demonstrate sustained energy savings achieved during 2-star certification, while also integrating

the energy management system with other standards or systems.

EMGS is a sustainable energy management program by the ASEAN Energy Management Scheme(AEMAS), supported by ASEAN Centre for Energy (ACE). MGTC was appointed as the Country Coordinator and Certification Body responsible for managing EMGS in Malaysia, which includes training, assessment and recognition of organisations that make consistent effort at energy management.



AEMAS EMGS 2-Star Assessment at Klinik Kesihatan Petra Jaya, Kuching Sarawak held from 29th to 30th November 2021.

Low Carbon Cities

Focus Group Discussions for revision of LCCF 2.0

December 2021

MGTC conducted a series of online focus group discussions from October to December 2021 as part of the engagement session to review and update the Low Carbon Cities Framework (LCCF) document.

The first focus group discussion was held on 27th October 2021 and saw participants from the Ministry of Environment and Water (KASA), the Sustainable Energy Development Authority (SEDA) and MGTC.

The second focus group discussion, conducted on 25th November 2021, involved selected Local Authorities. On 21st December 2021 the third focus group discussion was held, which saw participants from related Ministries and Government agencies.

The aim of the focus group discussions was to get input from various stakeholders that will be used to create an initial outline of Low Carbon Cities Framework version 3.0.

The Low Carbon Cities Framework, or LCCF, is a guide and tool for implementing low carbon city projects in the Malaysian context. It is currently used as a reference document for the Low Carbon Cities Challenge 2030 Project implemented by MGTC. LCCF version 1.0 was published in 2011. LCCF version 2.0, which is the current iteration, was published in 2017.



The Focus Group Discussion involving relevant Ministries and Government agencies held online via Zoom on 21st December 2021.

Low Carbon Cities Webinar: Ke Arah Komuniti Lestari

The webinar entitled “Towards Sustainable Communities” (Ke arah Komuniti Lestari) organised by MGTC was streamed to Facebook Live on 21 December 2021 from 3PM to 4PM.

Amongst the speakers at the webinar was Sarifah bt. Yaacob, who gave a talk entitled “Low Carbon City: Towards Sustainable Community”. Sarifah bt Yaacob is the Chairman of Eco Women Association (EkoWI), EXCO and Chairman of Training, Waste Management Association of Malaysia (WMAM), and Chief Environmental Consultant, AM PM International Sdn Bhd. The other two speakers were Dr Yasmin Rasyid, Founder and President of EcoKnights, who presented on “How EcoKnights Mobilizes Community Participation and Action in Sustainable Waste Management” and Timothy Tay, Chief Executive Officer and Founder of Kineflux Sdn Bhd who gave a presentation on “Eco-Logistic & Sustainable Mobility for Low Carbon Urban Transportation”.

The aim of the webinar was to encourage communities to adopt green practices in their everyday lives and for the speakers to share their knowledge and experiences on sustainable practices, particularly in the waste and mobility sectors.



The Low Carbon Cities Webinar: Towards Sustainable Community which aired on 21st December 2021

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