



# IGEM 2019

INTERNATIONAL GREENTECH & ECO PRODUCTS EXHIBITION & CONFERENCE MALAYSIA

9<sup>th</sup>-11<sup>th</sup> OCTOBER 2019  
KUALA LUMPUR CONVENTION CENTRE, MALAYSIA

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**DAY 3** 11<sup>TH</sup> OCTOBER  
SHOW DAILY 2019  
10.00AM - 5.00PM

## TPM INCUBATEES CLINCH THREE OF FIVE MCY 2019 AWARDS



For the incubatees of Technology Park Malaysia (TPM), the presentation ceremony of the Malaysian Commercialisation Awards (MCY) 2019 was a proud and memorable occasion clinching three of the five major awards up for grab.

The winners representing Technology Park Malaysia were Plant Catridge Sdn Bhd, MNR Multitech Sdn. Bhd and Synbion Sdn Bhd.

This year's MCY Awards was held in conjunction with IGEN 2019 and comprised five (5) categories. The main winner for each category received prizes valued at about RM100,000.00 including trophy and certificate.

Meanwhile, there were also five consolation prizes for each category offering the winners a prize valued at about RM40,000.00 including trophy and certificate.

Minister of Energy, Science, Technology, Environment and Climate Change (MESTECC) YB Yeo Bee Yin presented the MCY Awards,

accompanied by Secretary-General of MESTECC, YBhg. Datuk Seri Dr. Mohd Azhar Haji Yahaya.

Winners of the MCY 2019 Awards for the main categories were:

- Commercial Deal Award won by Plant Catridge Sdn. Bhd. (Technology Park Malaysia) with their product, Plug and Play Grow Kit;
- Research Entrepreneurship Award won by MNR Multitech Sdn. Bhd. (Technology Park Malaysia) with their product, MNR G - Treat;
- Social Entrepreneurship Award won by Efinity Social Enterprise through their product, Efinity EZ Water Filter;
- Emerging Innovator Award won by Synbion Sdn. Bhd. (Technology Park Malaysia) with their innovation, Electronic Nose Technology (E-Anfun); and

- Research Business & Partnership won by Universiti Putra Malaysia (UPM) with their product, RemdiiTM Sensitive Intensive Moisturising Cream.

One of the objectives of MCY is to identify and assist in the commercialisation process to enable local R&D products and services to penetrate markets at the national, regional and global levels.

At the same event, four (4) products were also launched by YB Puan Yeo Bee Yin; TRUCE - Saringan Pantas GBS from Bioanalytical Quest Sdn. Bhd. (Technology Park Malaysia incubatee), HALEA Natural Skin Care from Universiti Teknologi Malaysia (UTM), MNR G-Treat from MNR Multitech Sdn. Bhd. and Electron Nose Technology (E-Anfun) from Synbion Sdn. Bhd.

## TOWARDS CREATING A GREENER FEDERAL ADMINISTRATIVE CENTRE

Putrajaya is on the right track to being transformed into becoming a sustainable low carbon green city by 2025.

Towards this end, Putrajaya Corporation – the local authority that administers the Federal administrative centre – has put in place a host of initiatives focusing on seven key areas:

- City planning and building (e.g. green building design);
- Integrating nature into the urban fabric (e.g. planning of open space with 40% of land designated as parks and open space);
- Transportation and mobility (e.g. encouraging the use of low-carbon emission vehicles such as NGV/EV buses and bicycles);
- Energy usage (e.g. encouraging the use of solar photovoltaics for power generation)
- Water usage (e.g. city wide water harvesting programme);

- Solid waste management (e.g. enforcement on the use of biodegradable products);
- City administration and management (e.g. educational programme and awareness on green technology).

Elsewhere, Putrajaya is also pro-actively encouraging recycling vis-à-vis the 5R concept:



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## GREEN FINANCING SOLUTIONS

The forum on Green Financing on Day Three of IGEN 2019 was a well-attended affair.

Aimed at highlighting the various capital market funding options for small to mid-tier enterprises, the half-day event kicked off with a presentation on the diverse range of private equity options available to project sponsors.

The first panel session on, "Funding RE Projects through ECF and P2P Platforms", addressed alternative investment platforms such as equity crowdfunding and peer-to-peer lending as excellent micro financing options for small to mid-tier fund-seeking players.



The subsequent session on, "Use Cases for Venture Capital, Private Equity and Angel Investors in Green Energy Projects", shed some light on how those financing mechanisms work and why some ventures succeed while others don't.

The final session on "Raising Capital through Bonds, Sukuk and IPOs" looked at how mid-sized companies



may tap the bond and sukuk (Islamic bond) markets or consider an IPO to finance larger scale green energy projects.

Additionally, the panellists also provided a step-by-step guide to the issuance of bonds and sukuk as well as the requirements for mid-sized green energy companies seeking to list on Bursa Malaysia.

## A "10-IN-A-ROW" BY EUMCCI AT IGEN 2019

A staunch supporter of the previous nine IGEN editions, the EU Pavilion by the EU-Malaysia Chamber of Commerce and Industry (EUMCCI) has made "10-in-a-row" at IGEN 2019.

Displaying sustainable innovations coming out of the European Union, the EU Pavilion featured the Netherlands, Belgium and the Czech Republic, with participation of 13 companies.

The EU companies are looking for business partners in waste-to-energy, waste management, waste handling equipment, recycling, refuse derived fuel and water renewable energy, among others.

The Netherlands saw participation from eight companies, namely AWECT, Groningen Seaports, GC International, Powerspex, the HYVA Group, LeapFrog

Waste Management, the Ocean Cleanup and Paques.

Belgium was represented by AMB-Ecosteryl, Biotec International Asia Sdn Bhd, John Cockerill Environment and Menart, while the sole Czech Republic representative was NAFIGATE Corporation.

"The Prime Minister (Tun Dr Mahathir Mohamad) and MESTEC Minister (YB Puan Yeo Bee Yin) gave an excellent speech stating concrete measures for Malaysia's stepping forward towards sustainability, renewable energy and green technology," enthused EUMCCI CEO Roberto Benetello.

"In my opinion, it was one of the best IGENs so far with solid participation from various players, governments, and the public."



## GREEN CANADIAN OFFERINGS AT IGEN 2019

Canada made its presence felt at IGEN 2019 vis-à-vis participation of clean tech companies that offer disruptive technologies in water and wastewater, renewable energy, waste-to-energy, energy efficiency and storage as well as carbon utilisation and storage.



Three Canadian companies – Sanuvox Technology, O2 Canada and LED Roadway Lighting – displayed cutting edge products at the booth put up by the Canadian High Commission.

On Day Two of IGEN 2019, the Canadian High Commission organised a seminar on Sustainable Energy Management with the support of the British Columbia International Trade & Invest.

At the event graced by Her Excellency Julia Bentley, the High Commissioner of Canada to Malaysia, Puan Noor Afifah Abdul Razak the Deputy Secretary-General (Energy) of the Ministry of Energy, Science, Technology, Environment and Climate Change elaborated on Malaysia's energy roadmap and areas of opportunities for Canadian companies.

Pursuant to the seminar, the Canadian companies had a B2B networking session that culminated in productive business discussions and potential collaborations.

## MANAGING WASTE THE DUTCH WAY

With rising population and consumption, the volume of waste is increasing beyond the capacity of current waste management systems.

Highlighting their experience and success in the field, the Embassy of the Kingdom of the Netherlands held the Sustainable Waste Management Seminar.

Since the 1960s, the Netherlands has implemented a circular waste to energy strategy which has resulted in many Dutch corporates acquiring vast experience in developing, constructing and operating waste separation, recycling, processing, gasification and incineration plants.

Consequently, the Netherlands has developed a strong waste-development services and knowledge industry.

With Malaysia having expressed the ambition to become a circular economy – to the extent of becoming a circular economy leader in Southeast Asia – the Seminar

highlighted opportunities for collaboration and knowledge sharing for sustainable waste management in Malaysia.

Minister of Housing and Local Development YB Puan Zuraida Kamaruddin who attended and spoke at the seminar reaffirmed her ministry's commitment to modernising the Malaysian waste management sector.



## MSPO CERTIFICATION TO COME INTO FORCE END-2019



IGEM 2019 has turned out to be an ideal platform for both the Ministry of Primary Industries and the Malaysian Palm Oil Certification Council to drum home the looming deadline for the Malaysian Sustainable Palm Oil (MSPO) Certification Scheme.

Adherence to the MSPO Standard has been made mandatory by Dec 31, 2019. All-in-all, the mandatory timeline consists of three stages – Dec 31, 2018 for plantation industries that already have the Roundtable Sustainable Palm Oil (RSPO) certification; June 30, 2019 for those without certification, and Dec 31, 2019 for smallholders.

Very broadly, the MSPO Standard aligns the management of palm oil production with many existing national laws and regulations.

The benefits of the MSPO Certification can be summarised as follows:

- Improve to standards of management;
- Promotion of sustainable forest management;
- Biodiversity enhancement;
- Social enhancement;
- Improved efficiency leading to economic benefits;
- Adherence to health and safety policies;
- Compliance with legal and contractor requirements;
- Access to existing and new markets.

The maiden batch of MSPO-certified palm oil was shipped to Japan last month.

## JOHOR RETURNS WITH GREAT ENTHUSIASM

The Johor State Government was the first runner-up for the Best State Booth at IGEM 2018. Its participation at IGEM 2019 was organised in collaboration with J-Biotech, University Tun Hussein Onn Malaysia (UTHM) in Johor and the Johor Bahru City Council.

Leveraging on the IGEM platform, the Johor State Government hopes to create and heighten awareness of its current initiatives and that of several other companies and academic institutions on the positive contributions of green technology and innovations.

Through innovative developments, J-Biotech has been actively developing biodegradable products using mangroves and sugar cane. The company has also been involved in administrating and encouraging the use of organic fertilizers, advocating the growth and consumption of organic food products.

The Johor Bahru City Council's partnership with UTHM focuses on developing and monitoring progresses of the green technology industry. As part of the Low Carbon City framework scheme participation, they have displayed the "SR Bin", a programme whereby citizens shall be rewarded for recycling plastic bottles and aluminium cans.



## CLENERGY BULLISH ABOUT MALAYSIA'S SOLAR ENERGY MARKET

Clenergy, a reputable global solar mounting manufacturer, made its presence felt at IGEM 2019 with a display of its latest roof and ground mounting solutions.

They include patented solar mounting solutions, penetrative/non-penetrative solar mounting systems and ballasted PV mounting systems, among others.

Listed on the Shanghai Stock Exchange, Clenergy has two manufacturing bases in Xiamen and Tianjin (China) with branches in Shanghai, Hong Kong, Xi'an (China), Australia, Germany, Japan, Thailand and the Philippines.

Deemed a fast-growing market among the ASEAN member countries, Malaysia has seen a rising number of solar installation in recent years. Based on the IRENA Renewable Energy Statistics 2019, the market is expected to expand further with a very promising future.

As one of the global key players, Clenergy has cumulative installed capacity of more than 8GW as of 2019 and is committed to the sustainable and eco-friendly development of the Malaysian solar sector.

Apart from the establishment of its local office, Clenergy has also sponsored the UiTM Eco Photon Solar Racing Team at the World Solar Challenge.

## LONGI SOLAR LEVERAGES ON IGEM 2019 FOR ITS FUTURE EXPANSION

Leveraging on IGEM 2019 for its expansion, Longi Solar Technology hopes to expand their market share and corporate image as one of the largest solar panel manufacturer.

Established in 2014, Longi Solar Technology expanded into the Malaysian market in 2018 and currently has a factory in Kuching, Sarawak.

The company specialises in solar panels and solar farms. There are two types of solar panels, which are the monocrystalline cells and polycrystalline cell. With emphasis on monocrystalline cells, Longi Solar also promotes the application of monocrystalline technology.

Currently, Longi Solar Technology has projects in China, Europe, USA and India. The company views Malaysia as a simple, yet stable market despite its size compared to China.

Longi Solar Technology plans to expand their reach into both the rooftop solar panels and the Large Scale Solar (LSS) market segments in the near future.



## Q CELLS UNVEILS Q.ANTUM CELL TECHNOLOGY

Hanwha Q Cells return to participate in IGEM 2019 as a platform to promote its newly improved Q.ANTUM cell technology, introducing solar cells

that are lighter, capable of higher performance and an ability to generate more power.

The company is a strong and loyal supporter of IGEM having participated in the exhibition and conference annually over the past few years to expand its reach in the Malaysian market.

As a result of intensive research and development in four different, the Q.ANTUM cells were able to hit a record with an efficiency rating of up to 22.1%.

Additionally, the company's innovative "Q Mark" acts as a form of certification to ensure that each and every solar cell produced had undergone the company's stringent quality control inspection to guarantee consumers a peace of mind.

Q Cells continues to create affordable green technology innovations with the hope of heightening awareness on the importance of green energy, and also the sustainable socio-economic benefits of renewable energy to communities and society.

## EXHIBITORS' QUOTES



As a repeat exhibitor at IGEM, we are pleasantly surprised at how well IGEM 2019 was organized. Aside from the business opportunities and collaborations present, the number and quality of visitors and exhibitors alike were very promising.

**LING SENG WEE**  
Business Development Manager  
PLUS SOLAR SYSTEMS SDN BHD



IGEM 2019 has been a really engaging platform to share and connect with others from the green technology industry. It has been a pleasure to meet new counterparts and engage with many potential leads from different companies.

**DESMOND LIM SZE HUA**  
Exhibitor, Daikin Malaysia



IGEM 2019 has been wonderful so far. We came here looking for potential business partners, leads and collaborations, and are delighted to see an increased crowd and higher numbers of dedicated participants.

**ZHIWEI SHI**  
Exhibitor, Xiamen HQMOUNT



## VISITOR QUOTES



As a first time visitor to IGEM, it's impressive to see the variety of exhibitors and the networking potential all in one place. In line with the government's recent initiatives, platforms like IGEM 2019 will definitely be the catalyst for advancing Malaysia's green technology industry.

**SHANGKARA RAO**  
Visitor



Before coming to IGEM, I was in the dark about the many initiatives available to advance the green technology industry in Malaysia. This visit is certainly an eye-opener, and a fruitful visit.

**MUHAMMAD AZHAR**  
Visitor



As a student, I think this is the perfect opportunity to discover future opportunities and possible fields to venture into. The exhibitors here have been very informative and there is a lot of knowledge to take home.

**DESMOND WONG**  
UTAR, KL



With the government's leaning towards clean and renewable energy, I think IGEM is the perfect platform for investors, industry leaders, and consumers alike to get together and to make the country's green vision a reality.

**CLINTON THOO**  
Visitor



# THANK YOU!



On behalf of the Ministry of Energy, Science, Technology, Environment and Climate Change, I would like to express my sincere appreciation to the sponsors, exhibitors, conference partners, speakers, delegates and all the many others that made IGEN 2019 an overwhelming success.

As we move on to new targets, I urge all of us to re-evaluate our workplaces and personal lives in terms of what we are thinking, doing and purchasing to make sustainable choices a natural part of our lives. Only then, will we be truly sustainable; only then, will we be able to make an impact and inspire others.

I look forward to your continuing participation and support as we energise sustainability at IGEN 2020.

**YB PUAN YEO BEE YIN**

Minister of Energy, Science, Technology, Environment and Climate Change

## HI-TEA RECEPTION



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