



IGEM 2019

INTERNATIONAL GREENTECH & ECO PRODUCTS EXHIBITION & CONFERENCE MALAYSIA

9th-11th OCTOBER 2019
KUALA LUMPUR CONVENTION CENTRE, MALAYSIA

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INNOVATING SUSTAINABILITY

DAY 1 9 OCTOBER 2019
SHOW DAILY 10.00AM - 6.00PM

OFFICIAL OPENING CEREMONY OF IGEN 2019

MESTECC and MGTC are honoured that our beloved Prime Minister Tun Dr. Mahathir Mohamad has confirmed his acceptance to grace the official opening ceremony of IGEN 2019. The official opening ceremony will be held at the KLCC Grand Ballroom at 9.00 a.m. All invited guests and exhibitors attending the event are kindly requested to be punctual and observe the necessary protocol and seating arrangements.



IGEM 2019 KICKS OFF WITH OVER 300 BOOTHS SOLD OUT

The International Greentech & Eco Products Exhibition and Conference Malaysia 2019 (IGEM 2019) kicks off today with sold out halls featuring more than 300 booths from over 35 countries.

Celebrating its 10th anniversary, IGEN 2019 has once again stamped its mark as ASEAN's most successful green technology, business and innovation platform.

Organised by the Ministry of Energy, Science, Technology, Environment and Climate Change (MESTECC) and co-organised by Malaysian Green Technology Corporation (Green Tech Malaysia), this year's event is themed "Innovating Sustainability. It anchors all innovation on sustainability and adopting sustainability across all industries to ensure a promising future of climate stability coupled with economic prosperity.

MESTECC Minister, YB Puan Yeo Bee Yin said the sold out exhibition floor space is an indication that IGEN is a powerful platform that has successfully inspired impactful climate action and sustainable economic development.

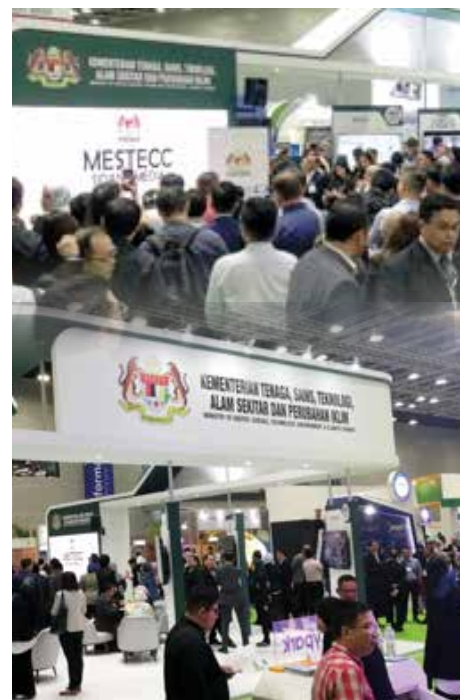
"Furthermore, this year's 10th edition is set to

lead the way in innovating sustainability by convening leading innovators, insightful speakers and policy influencers from across the world.

"IGEM 2019 will host leading conglomerates, innovators and entrepreneurs who will showcase cutting edge technologies, products and services to inspire wider adoption of sustainable options across industries," she added.

With strong international participation in the form of country and regional pavilions from the EU-Malaysia Chamber of Commerce and Industry, Taiwan External Trade Development Council, Korea's Green Energy Institute and the High Commission of Canada, IGEN 2019 is set to boost new partnerships and encourage the adoption of sustainable solutions.

IGEM 2019 has secured sponsorship from Tenaga Nasional Berhad, Cypark Resources and UEM Edgenta Berhad. It also features returning exhibitors such as PETRONAS, Huawei Technologies, Jinko Solar, JA Solar, LONGI Solar, Hanwha, Q Cells and DAIKIN Malaysia, showcasing their sustainable technologies.



A CROWD-PULLER INAUGURAL EVENT



GreenTech Malaysia Acting CEO and Chief Operating Officer Syed Ahmad Syed Mustafa (second from right) and Shell Malaysia Chairman Datuk Iain Lo (second from left) exchanging MoU document on the latter's consolidation of efforts to streamline best practices, offering scenario analysis for Malaysia's net zero emission and raising climate change awareness. The event was witnessed by Minister of Energy, Science, Technology, Environment and Climate Change Yeo Bee Yin (left).

The inaugural Climate Change Conversations Forum by Shell Malaysia has turned out to be a crowd-puller at IGEN 2019.

Themed Future of Corporations: Climate Change Risks and Opportunities and targeting C-Suites participants, the event examined how businesses will be affected by climate change, how to prepare for such adversity as well as ways to reduce climatic impact.

Guest-of-honour for the Forum was Minister of Energy, Science, Technology, Environment and Climate Change, YB Puan Yeo Bee Yin who captivated the audience with her knowledge of global warming, de-carbonisation and renewable energy.

She also added that there is an urgent need to pursue research & development to address the issue of haze-triggering peat fires which have become an annual affair in the region.

Towards this end, she revealed that a RM3 million sink fund has been set up to find ways to fight peat fires without water, hence solving 3.7% of total global carbon emission.

Notable speakers at the event were Cho-On Khong who is Chief Political Analyst (Global Business Environment team) at Shell International; Senior Environmental and Climate Change Specialist at the World Bank, Tao Wang, and Dr Tan Loke Mun, Director of ArchiCentre Sdn Bhd as well as Founder and Director for DTLM Design Group.

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IGEM 2019: WHAT THEY SAY...

The strong participation of domestic and global corporations, as well wide array of exhibits, at IGEN 2019 have received overwhelming response from both exhibitors and trade visitors.

Innovative technologies, solutions, eco products and services featured are widely used by the seven key sector of renewable energy, energy efficiency, transport, waste, water, manufacturing and agriculture.

Commenting on the long-term presence at IGEN, Mr. Simon Wong, Jinko Solar's head of sales said: "As the world's largest solar panel manufacturer, Jinko Solar is committed to our vision of creating a sustainable future by delivering the cleanest, most efficient and economical solar energy solutions."



"We have returned to participate in IGEN 2019 as it remains one of the region's most dynamic and vibrant industry platforms, attracting large industry players and innovative entrepreneurs from across the region," he added.

Sharing Wong's sentiment, Daikin Malaysia Sales and Service's marketing head of department, Mr. Chan Hon Leong said, "IGEM is a great platform for us to showcase and introduce our green products and sustainable solutions. Good quality trade visitors look to IGEN for green technologies that help their business sustainability. It is also a good opportunity for DAIKIN to meet and work with new partners in one place."



Meanwhile, to foster new partnerships and help entrepreneurs explore new opportunities in the low carbon economy, there were multiple business networking sessions. These were convened by IGEN 2019 strategic partner – the Malaysian Industrial Development Authority (MIDA) and business matching partner, the Malaysia External Trade Development (MATRADE) over three days

Matrade's Director of Oil and Gas, Chemical and Energy, S. Jai Shankar, said the spread of buyers that the INSP has attracted is a testament to the agency's capacity to source for buyers from almost all continents in the world.

"We were overwhelmed with the response for the business matching session even on the first day of IGEN 2019 with more than 150 meeting conducted. This clearly indicated our programme is in the right direction for the locals to penetrate the global market," added Jai Shankar.



NORDIC FORUM SHARES CIRCULAR ECONOMY AND ENERGY AT IGEN 2019

Carbon neutral and resource efficient circular economy is instrumental in addressing climate change and achieving the Agenda 2030 Sustainable Development Goals. The Nordic countries shared their commitment to promote these goals – both at the Arctic region where the pace of global warming is at its fastest and on a global scale.

To showcase such commitment, the Embassies of Denmark, Finland, Norway and Sweden in Kuala Lumpur – alongside the Honorary Consulate General of Iceland – hosted a Forum on Circular Economy and Energy at IGEN 2019 on Oct 9.

The Forum served as an ideal platform to discuss global challenges related to waste management, sustainable economy, clean energy and energy efficiency, among others, thus enabling Nordic companies to share their solutions to these issues.

The Nordic Ambassadors led the thematic discussion, concluding in a panel session on the topic of adjusting to circular economy. The aim of the discussions was to enable Nordic experts to connect and share their best practices with Malaysian authorities and stakeholders.



IT PAYS TO PROMOTE GRASSROOTS INNOVATION

Malaysia is facing challenges to establish a scientific and progressive society that is not only a consumer of technology, but also a contributor to the scientific and technological civilisation of the future.

To continue uphold the above vision, the significance of grassroots innovation cannot be denied for the sustainability issues in environmental, societal structures and economic importance.

Having started its grassroots innovation initiative since 2010, Malaysia possesses the capability to showcase the success story to further develop the ecosystem of product diffusion.

It is with this in mind that a Grassroot Innovative Dialogue session and round table discussion in

conjunction with Malaysia Commercialisation Year 2019 was staged on the first day of IGEN 2019.

The event was jointly organised by the Malaysia Innovation Foundation and the Ministry of Energy, Science, Technology, Environment and Climate Change in collaboration with the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP).

With the knowledge shared by representatives from UNESCAP and regional active members from India and the Philippines, for example, key successes, lessons learned, social impact, emerging concepts and collaboration opportunities would materialise their achievements, success stories and social impact of collaboration opportunities.



Hence, the dialogue session was able to identify the specific needs to further enhance the existing ecosystem from government officials, policy makers and other decision-makers in the Asia Pacific region.

NY DESIGN LAUNCHES GREEN PIT STOP INITIATIVES



NY Design (M) Sdn Bhd, an incubate of Technology Park Malaysia, is making waves among Malaysians, especially youths and children, in encouraging the conservation of the environment with go-green initiatives through its flagship brand, Green Pit Stop (GPS).

Participating at IGEM 2019 the company is hopeful that its GPS products and services would be able to reach a wider audience both domestically and globally.

MESTECC Minister YB Puan Yeo Bee Yin was the guest-of-honour at the launch.

The initial development of GPS is creating creative craft products out of plants and recyclable materials. Also known as upcycling, its main aim is to reduce the volume of discarded wastes and materials into landfills.

GPS is tapping IoT technology by integrating botanical science and arts towards improving creativity. Software application that can help smartphone users remotely monitor requirements of humidity, sunlight, temperature and fertilizers towards maintaining the health of plants, using GPS-TAC, an innovative green solution.

GPS-TAC IOT farm was created with strong environmental awareness that aims to create a generation that understand the green concept adding the IoT technology in GPS with audio and lights sensor, a partnership project with Aspevo Tech. They design and develop specific notification for Android and IOS smartphones, and create a marketplace that will provide more services online.

NY Design creative director, Puan Noraznin Yusof, who is extremely passionate about her efforts in preserving and saving the environment, is currently pushing the boundaries through her go green projects to greater heights by educating and encouraging the communities of the next generation.

SUNGROW POWER AIMS TO ESTABLISH ITS PRESENCE IN MALAYSIA

Making its debut in IGEM 2019, China's Sungrow Power Supply Co. Ltd is hopeful of further expanding its presence in Malaysia with the aim of gaining a 15% share of the domestic market.

As one of the longest-standing companies in China that specializes in Inverter technology, Sungrow Power is a leader in supplying and administration of inverters and battery storage systems in China.

Sungrow Power is a pioneer in the research and development of the inverter technology in China, dating back to 1997.

Over the course of 22 years, the company has grown to become one of the largest providers of inverters in China, producing over 87 Gigawatts of power annually in China alone.

Recently, the company has collaborated with Samsung to develop the Energy Storage System. With the System currently involved in more than 800 projects worldwide, and responsible for operating up to 40 Gigawatts of power annually in China, Sungrow hopes to expand the usage of their Energy storage system in Malaysia.

"The Sun is the solution to most of our energy challenges. The ability to harvest solar power and deliver it to where and when it is needed exists. We just need to start using it, to harvest and store this abundant energy to provide clean power for all, today, tomorrow and beyond"

For more information, please visit booth no: 2024.



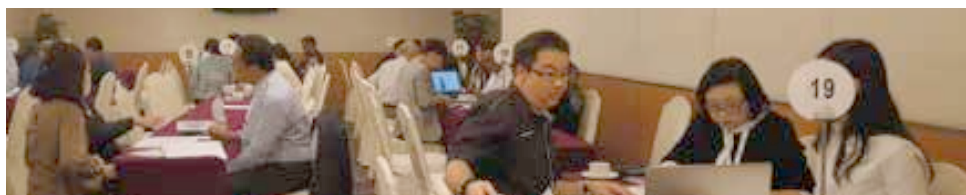
MATRADE TO ORGANISE 400 B2B MEETINGS AT IGEM 2019

The Malaysia External Trade Development Corporation (Matrade) is set to organise some 400 business-to-business meetings in conjunction with the 10th International Greentech and Eco Products Exhibition and Conference Malaysia (IGEM 2019) on Oct 9-10.

The business matching effort, called the International Sourcing Programme (INSP), is Matrade's signature facilitation to connect Malaysian suppliers with foreign buyers from over 33 countries.

The INSP comprises customised business matching sessions conducted to coincide with international events held in the country.

Matrade's director of oil and gas, chemical and energy, S. Jai Shankar, said the spread of buyers that the INSP has attracted is a testament to the



agency's capacity to source for buyers from almost all continents in the world.

"Our 46 offices worldwide are ultimately the catalyst for the success of these INSPs as they invest a great deal of time to identify these buyers," he said.

On the supply side, Matrade has worked closely with associations to enhance the accuracy of the matching process.

"Among others, we collaborate with the Malaysia Green Building Confederation, Electrical and Electronics Association of Malaysia, Malaysia Biomass Industries Confederation, Malaysian Photovoltaic Industry Association and Federation of Malaysian Manufacturers to identify the right suppliers, apart from leveraging on Matrade's own substantial database of exporters," he added.

For more information, please contact Matrade: Hospitality Lounge 4, Exhibition Hall 4.

SEDA P2P ENERGY TRADING

MALAYSIA'S FIRST P2P ENERGY TRADING PILOT RUN GETS OFF THE GROUND.

Malaysia's first peer-to-peer (P2P) energy trading pilot run was rolled out on the first day of IGEN 2019.

This pilot run is an initiative under the Renewable Energy Transition Roadmap (RETR) 2035 implemented by the Sustainable Energy Development Authority (SEDA) Malaysia and supported by the Minister of Energy, Science, Technology, Environment and Climate Change.

The P2P energy trading is premised on the concept of sharing economy in which owners of solar photovoltaic (PV) system (prosumers) sell their excess solar electricity to other consumers through the grid and at a competitive rate with the retailer.

Globally, the P2P energy trading is rapidly gaining importance as an effective mechanism to spawn greater solar PV rooftop market.

Malaysia is the second among ASEAN countries that conducts pilot run of the P2P energy trading. The pilot run is expected to run for a period of at least eight months, comprising two months of alpha and six months of beta runs.

In this pilot run, the regulatory sandbox is approved by the Energy Commission of Malaysia (ST) while the P2P platform is provided by Power Ledger Ltd Pty, an Australian-based block-chain technologist in energy trading platform.



The pilot run works in close collaboration with Tenaga Nasional Bhd, TNB Sdn Bhd and the Malaysian PV Industry Association (MPIA), including Pekat Solar Sdn Bhd and Plus Solar Systems Sdn Bhd.

TNB HOLDS SERIES OF TALKS AT IGEN 2019

As one of the staunch advocates for green and sustainable solutions, Tenaga Nasional Bhd is hosting a series of TNB TALKS at IGEN 2019 related to sustainable, digital and green solutions.

The series of talks will be delivered by subsidiaries of the national utility company during the three-day event.

Maevi Sdn Bhd, a subsidiary of TNB Energy Service Sdn Bhd kicked off the TNB TALKS series with Going Green the Smart Way on Day One of IGEN 2019.

Other TNB subsidiaries participating in the TNB TALKS series are Gsparx Sdn Bhd; TNB Repair and Maintenance Sdn Bhd; TNBX Sdn Bhd; TNB Energy Services Sdn Bhd; Tenaga Switchgear Sdn Bhd and TNB Research Sdn Bhd.



SPEARHEADING CLEANER ENERGY WITH KOREAN FLOATING PV SYSTEMS

Korea's BK Energy Inc., pioneered the floating PV system. It is currently the only company in Korea to empower the use of efficient and cleaner energy through this system.

Making its debut at IGEN 2019, BK Energy is seeking to expand their influence on how clean energy can be generated in Malaysia.

As Malaysia houses many hydro-powered plants and reservoirs, the company sees this as an opportunity that can be utilized to increase the efficiency and production of green energy from floating PV systems.

BK Energy President, Mr. Lee Haeng Woo, said the company's rotation floating solar power system has the ability to generate up to 15% higher efficiency compared to regular PV systems.

"This is made possible due to the floating PV system actively using the water as a cooling medium. With only a mere programmed motor of two watts, the power generated will be sufficient to rotate two PV system that spans over 60 metres in diameter.

"Depending on the size of the reservoir, the company will also be able to provide PV systems up to 250 metres in diameter," added Lee.

As the first company to utilize nanotechnology coating for its floating PV systems, BK Energy is able to increase the efficiency of energy generated by up to 15%. The nanotechnology coating will be able to prevent the PV cells from getting dusty. Besides, the tested coating is safe for the ecosystem of the reservoir.

Aside from energy production, the floating PV system further encourages a healthy growth of the underwater ecosystem in the reservoir, thus enhancing the water quality as a whole.

To ensure its market leadership, BK Energy focuses on research and development (R&D) that increases the value of technology.

For further information, kindly visit booth no: 2098



CONTRIBUTING TO MALAYSIA'S GREENER GROWTH



As Malaysia largest developer and provider in integrated renewable energy, green technology, environmental engineering solutions and construction engineering, Cypark Resources Berhad has been actively contributing towards Malaysia's growth towards a greener nation.

Cypark Resources Berhad has also been a repeating exhibitor in previous IGEN exhibitions, in hopes to increase its exposure and presence in the industry.

The company is currently involved in wide range of projects and development across the country. They have produced up to 230MW of power through green energy alone.

The company has diverse efforts across the industry, which covers multiple aspects of the generating and utilization of solar energy. For example, the company is currently developing and operating floating solar farms, whereby vegetation can be planted under solar powered controlled environments since 2017.

Looking at the prospects of the industry locally, it is positive that the industry will continue to grow over years to come, thus readily investing in Waste to Energy projects to reduce landfills, also looking to reduce the emission of methane as a by-product of rubbish decomposition.

In addition, the utilization of waste energy powerhouses will be able to reduce the use of landfills by a large margin, effectively allowing the other lands to be used much more productively.

For more information, kindly visit booth no: 1071-1074A

MOVING TOWARDS 'GUILT-FREE' FAST FOOD



As one of the biggest fast-food chains in Malaysia, McDonald's has been actively taking steps to transform their standards of practice into greener ones since 2010, making ripples along the way as a wake-up call to fast-food chains both local and internationally.

The fast-food giant has been venturing further into research and development to provide a greener way of operating its business. It has already taken measurable steps such as eliminating the use of plastic bags, and using biodegradable products for cups, caps and so on.

Making its debut in IGEN 2019, McDonald's Malaysia looks to become a role model in sharing their successful journey towards creating a greener business model. It is also an act of support in line with the Government's effort to move towards a greener future.

"We are currently looking towards building a green business model and have participated at IGEN 2019 to share journey and efforts which started in 2010. Research and development of green technologies has constantly been one of our main concerns regarding the future. Going green is the Future," says its representative at IGEN 2019.

By the end of 2025, McDonald's Malaysia plans open an additional 200 eco-friendly stores across the country that will utilize green walls, rainwater harvesting systems, Solar Photovoltaic systems and such to reduce carbon emission.

By incorporating green technology into its current business operations, the company is able to save approximately RM100,000 annually. (remove the entire sentence,pls)

For more information, kindly visit booth no: 5018

MEMORANDUM OF UNDERSTANDING



IGEM 2019 CONFERENCES

More than 10 conferences and sideline programmes will be hosted at the three-day IGEN 2019. These conferences will deliberate on key issues and available solution pertaining to economic sustainability, green funding, climate change, renewable energy river pollution, working together to end plastic waste, driving towards cleaner air and reducing greenhouse gas emissions.

Sideline programmes include pocket talks, business networking sessions, Malaysia Commercialisation Year (MCY) mentoring and other relevant activities such as MDBC Innovation and Sustainability Awards presentation and IGEN 2019 exhibitor reception.

DAY 2: 10th October 2019 (Thursday)

TIME	PROGRAMME	VENUE	ORGANISER
10.00 AM - 6.00 PM	MIDA Business Consultation	Booth No. 1136, Exhibition Hall 1	MIDA
10.00 AM - 6.00 PM	IGEM Pocket Talk	Exhibition Hall 1-5	MESTECC & MGTC
11.00 AM - 12.30 PM	Conversations with YB Yeo : MESI 2.0	Grand Ballroom	MESTECC
9.00 AM - 5.30 PM	International Urban Sustainability And Green Building (IUSGBC) Conference	Plenary Theatre	Malaysia GBC
9.00 AM - 5.00 PM	Energy Manager Convention 2019	Pullman Hotel	MGTC
11.00 AM - 12.30 PM	Technology Park Malaysia Workshop: How to get your project bankable and get approved by funders.	Hospitality Lounge 4	Malaysia Commercialisation Year
12.00 AM - 2.45 PM	KL Eco Film Festival Award Ceremony Luncheon	Conference Hall 2	EcoKnights
2.00 PM - 5.30 PM	Energy Management Gold Standard (EMGS) Award Ceremony	Hall 7C	MGTC
2.00 PM - 3.20 PM	Sustainable Energy Management Forum	Hospitality Lounge 1	High Commission of Canada
3.30 PM - 5.00 PM	B2B Networking Marketplace High Tea Event	Hospitality Lounge 2	High Commission of Canada
3.00 PM - 5.00 PM	MCY Ministerial Dialogue	Conference Hall 1	Malaysia Commercialisation Year
4.00 PM - 5.00 PM	Sustainable Innovation Awards (SIA 2019)	Pocket Talk Exhibition Hall 5	Protemp
5.00 PM - 7.00 PM	EU Ambassadors Cocktail	EU Pavilion Exhibition Hall 2	EUMCCI

DAY 3: 11th October 2019 (Friday)

TIME	PROGRAMME	VENUE	ORGANISER
10.00 AM - 6.00 PM	MIDA Business Consultation	Booth No. 1136, Exhibition Hall 1	MIDA
10.00 AM - 6.00 PM	IGEM Pocket Talk	Exhibition Hall 1-5	MESTECC & MGTC
9.00 AM - 12.30 PM	Financing The Green Energy Sector	Hospitality Lounge 1	Securities Commission
9.00 AM - 2.00 PM	Seminar Promosi Sijil Kemahiran Malaysia	Hospitality Lounge 2	MGTC & JPK
11.00 AM - 1.00 PM	KL Eco Film Festival : Film Screening (1st Session) 1. Moyang 2. Education On The Boat - A New Hope For Tomorrow 3. Engineering with Nature - An Ode to Water, Wood and Stone	Hospitality Lounge 5, Exhibition Hall 5	EcoKnights
2.00 PM - 4.00 PM	KL Eco Film Festival : Film Screening (2nd Session) 1. Instruments in the Architecture: Building The Pianodrome 2. Poisoning Paradise 3. The Loop 4. Los Plastico	Hospitality Lounge 5, Exhibition Hall 5	EcoKnights
2.30 PM - 3.30 PM	IGEM 2019 Appreciation Hi-Tea	Banquet Hall	MESTECC & MGTC

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