



igem

INTERNATIONAL GREENTECH & ECO PRODUCTS EXHIBITION & CONFERENCE MALAYSIA

2019

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

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INNOVATING SUSTAINABILITY

DAY 2 10TH OCTOBER 2019
SHOW DAILY 10.00AM - 6.00PM

NEED OF THE HOUR : CLIMATE MITIGATION AND ADAPTATION

As a long-standing proponent of balancing environmental conservation, technology innovation and economic prosperity, Malaysia's progress has been underpinned by a dynamic innovative ecosystem and affirmative institutional support.

The country was ranked 35th out of 128 countries in INSEAD's Global innovation Index 2016 and recognised as an "innovation achiever" for 2011-2014.

According to Prime Minister Tun Dr Mahathir Mohamad, Malaysia will continue with the periodic Voluntary National Review report as a testimony to its continued commitment to achieve the 2030 Agenda and the Sustainable Development Goals.

"In turn, this will help to ensure that nobody is left behind and that every Malaysian has an equitable share in the prosperity and wealth of this nation, in line with our philosophy of

shared prosperity," he said in his keynote address when launching Igem 2019.

Over the past couple of decades, green economy has emerged as a strategic priority to transform economies into drivers of sustainability. The green economy is typically characterised by being efficient, clean, circular, collaborative and low carbon.

What is even more promising to the investment and business community is that the green economy could grow from the present 6% to 10% of global market value by 2030. The Green Economy Initiative study found about 3,000 globally listed companies with exposure to the green economy.

This number has risen by approximately 20% since 2009 and covers 30% of global listed market value.





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PM TOURS IGEM 2019



KEY EXTRACTS OF MESTECC MINISTER YB PUAN YEO BEE YIN'S WELCOME ADDRESS AT IGEM 2019 OFFICIAL OPENING CEREMONY



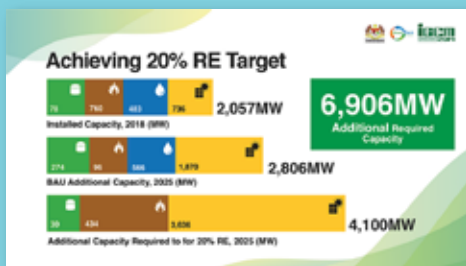
1. Green industries is the new frontiers of growth.



2. Malaysia aims to reduce carbon emission by 2025.



3. Renewable energy target generation mix by 2025.



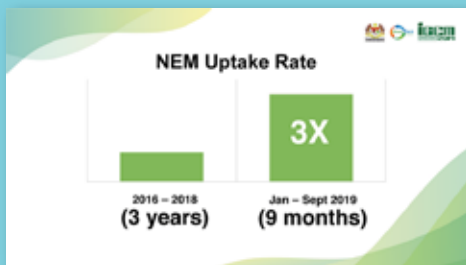
4. Achieving re target.



5. Government's strategies



6. Cost effectiveness of new initiatives



7. Favourable new uptake rate.



8. Feed-in-tariff initiatives.



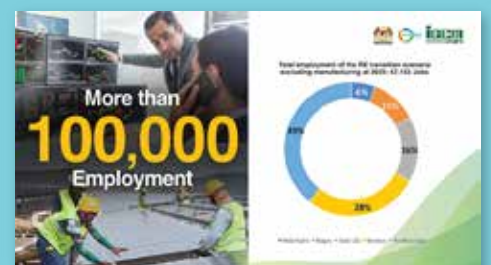
9. Savings in cancellation of non-performing projects.



10. Private investment.



11. 20% re enablers.



12. Employment creation

MESI 2.0 CONVERSATION WITH MINISTER ATTRACTS BIG CROWD

The evolution of Malaysian Electric Supply Industry 2.0 (MESI 2.0) seemed to have generated substantial interest judging from the large audience that it attracted.

Minister of Energy, Science, Technology, Environment and Climate Change, YB Puan Yeo Bee Yin took the podium to share her thoughts and insights on the MESI 2.0 reform programme announced last month which aims to enhance the domestic electricity supply industry.

MESI 2.0 entails a 10-year masterplan to reform the domestic power industry and was the focus of

an hour-long Conversations with YB Yeo: MESI 2.0, where she spoke about the reform agenda, ensuring it meets the objective of creating value in the form of cost efficiency across the value chain for end-users (both households and industrial/commercial consumers).

All-in-all, MESI 2.0 aims to increase industry efficiency, future-proof the industry structure, regulations and key processes, as well as empower consumers, democratise and decentralise the electricity supply industry.



MIDA RIDES ON IGEM AS A PLATFORM TO PROMOTE GREEN AGENDA



IGEM is a significant and essential platform for the Malaysia Investment Development Authority (MIDA) to create greater awareness of the facilities and incentives available to promote the nation's green agenda.

Capitalizing on the IGEM 2019 platform, MIDA will be sharing information on the "Investment Opportunities in Green Technology" during its Green Insights session.

Companies will be presented with the opportunity to connect with MIDA officers to obtain updates on government policies, incentives, facilities and support services available for investors during the business consultation sessions, particularly in the following sectors:

- Green Technology
- Building Technology and Lifestyle
- Electrical and Electronics
- Transportation Technology
- Food and Resource-Based Technology
- Advance Technology and Research & Development

During IGEM 2018, MIDA invested in 111 potential green projects worth RM4.1 billion in the manufacturing and services sector, mainly in the sphere of Renewable Energy (RE), Energy Efficiency (EE), and Green Building and Green Data Centre projects.

"To date, MIDA has already received applications from potential IGEM 2018 investors amounting to RM1.29 billion," noted the September 2019 issue of the MIDA Newsletter.

"This is an indication of the encouraging trend of investment leads in the areas of green technology within the country."

MIDA's continued participation in IGEM 2019 is line with the Government's aspiration to strengthen the role of the green economy and green technology as catalysts to drive Malaysia's aspirations for sustainable growth.

For more information, please visit booth no: 1136 -1137

PETRONAS UNVEILS FLAGSHIP SOLAR ROOFTOP SOLUTION

National oil corporation PETRONAS has launched its first solar rooftop solution in Malaysia. Known as M+ by PETRONAS, the customisable and affordable solar solution designed for both commercial and industrial uses.

The affordability of M+ by PETRONAS is anchored by its dynamic customer-centric business model with zero capital expenditure required from customers.

In this regard, PETRONAS provides end-to-end delivery of the solar rooftop solution and hassle-free



maintenance to ensure that customers only pay for the tariff charges of their energy usage and are not exposed to any form of technical and financial risks.

PETRONAS' foray into the renewable energy industry builds upon its recent acquisition of Amplus Energy Solutions Pte Ltd (Amplus), a leading distributed solar energy solutions provider and developer across India.

"M+ by PETRONAS marks our progress in supplying clean energy options and represents our strategic vision to venture into new energy space in addition to oil and gas, the launch of the solar solution is a testimony to our significant growth as a company that provides sustainable energy solutions," said PETRONAS' Executive Vice President and CEO (Gas & New Energy Business) Adif Zulkifli.

Ultimately, PETRONAS wants to become a leading global provider of clean, reliable as well as cost-effective energy solutions by contributing to the well-being of society and the environment.

At the event, PETRONAS also exchanged memorandum of understanding with Universiti Teknologi PETRONAS and Malaysia Marine and Heavy Engineering Sdn Bhd for the installation of solar rooftop solutions at the respective companies' premises.

TNB AND GREENTECH MALAYSIA TO PROLIFERATE GROWTH OF CHARGING STATIONS

Tenaga Nasional Bhd (TNB) through its wholly-owned subsidiary TNB Energy Services Sdn Bhd (TNBES) and GreenTech Malaysia plan to expand their network by up to a further 100 charging stations nationwide by this year-end.

In this regard, TNBES and GreenTech Malaysia are aggressively pursuing major parking operators, mall owners and hotel chains in extending the ChargeEV station network in major cities including Penang and Johor Bahru.

TNBES is finalising its second phase of collaboration with GreenTech Malaysia through the formation of a special purpose vehicle company, Tenaga E Mobility Solutions Sdn Bhd, according to TNBES Managing Director, Dr Ir Ahmad Jaafar Abd Hamid.

The ChargeEV charging stations are open to the public on a subscription basis where members only need to pay an annual membership fee of RM240.

Based on a domestic tariff of 57 sen, a fully charged electric vehicle can be driven up to 160km for every RM12.50 worth of charging.

For more information, please visit booth no: 4037- 4046



CMEC INTRODUCES ITS INTEGRATED ROOF SOLAR MODULE

China Machinery Engineering Wuxi Co. Ltd (CMEC), a loyal IGEN exhibitor, is introducing its latest integrated roof solar module to the Malaysian and regional market, at IGEN 2019.

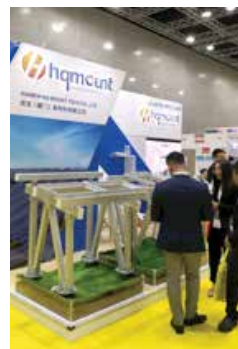
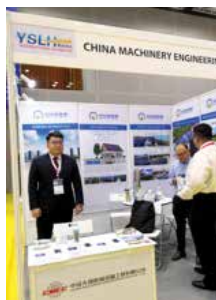
Known as the UNI-FLAT integrated roof solar module, it is one of the building Integrated Photovoltaic System (BIPV) which functions as both a roof and photovoltaic system.

Following its successful debut at IGEN 2018, CMEC is hopeful of making its presence felt in Malaysia and reaching out to more possible partners. The company has been operating in the Malaysian market for the past seven years.

Since its establishment 30 years ago, the company has developed a plethora of solutions and products. Among their wide range of products, the solar water pump has taken the spotlight as the company's latest development.

Being different from a regular water pump, the solar water pump can be operated under both AC and DC currents while the former is usually operated only by AC currents. The solar water pump will also be able to thrive under harsh environments such as unclean water and can be easily dismantled for easier cleaning.

CMEC sees strong potential in Malaysia's green energy production with considerable untapped potential yet to be tapped.



STURDY MOUNTING TECHNOLOGY FOR SOLAR POWER SYSTEMS

The high intensity of sunlight experienced in Malaysia has made Photovoltaic (PV) systems a popular investment choice in Malaysia for clean energy production.

With the growing popularity of Photovoltaic (PV) systems, the importance of their structural supports are often less discussed among laymen.

With years of experience generating in Japan and China and seeing the need and the business opportunity, Xiamen HQ Mount Tech Co., Ltd has expanded its reach, promising a sturdy solution for solar panels placement, even on undulating slopes.

Bringing their best practices to the table, the company boasts practical solutions for the installation of PV systems on soil and slopes. As one of the pioneering companies to provide similar solutions, through extensive research and development (R&D) over the years, the mounting support provided by the company had been thoroughly tested for its functions and quality.

The clamping accessories are adjustable to be operational for uneven surfaces, their well-developed mounting technology ensure the safety of the installed PV system.

TELECOMMUNICATIONS GIANT COMMITTED TO GREEN TECHNOLOGY

Chinese multinational technology giant Huawei Co., Ltd, world's leading telecommunications companies, serving over three billion people worldwide is committed to increase their involvement in the green technology industry.

Making their second appearance in IGEN, Huawei is back looking to further expand their reach locally as part of their efforts to establish their presence as the world leader in global shipments for Smart PV Inverters.

Through extensive research and development (R&D),

Huawei is ready to offer their latest smart solutions that cater to both wide scale commercial and residential projects.

Huawei's latest technology allows commercial project owners and technicians to save time and resources by scanning for faults at the click of a button thereby avoiding the need to drive around the perimeter scouting for a faulty solar panel.

Huawei PV Inverters integrate the latest digital and internet technology with residential solar technology to maximise roof utilization to obtain more energy.



moving towards a greener, cleaner and more economical household over the long run.

For further information, kindly visit booth no: 2093 - 2096

SARAWAK KEEN TO EXPAND ITS GREEN INITIATIVES

Participating at IGEN 2019, Sarawak hopes to establish a presence in the green technology industry as well as to generate leads for upcoming forums and projects.

The Sarawak state government's representation at IGEN 2019 comprises of several other entities and agencies including Sarawak Energy, SEDC Sarawak, Old Kuching Smart Heritage, the Ministry of Utilities Sarawak as well as the University College of Technology Sarawak (UCTS).

Looking forward to growing the green economy through clean energy, Sarawak Energy, as an energy development enabler, plays a pivotal role as a sustainable partner to the International Hydropower Association's (IHA) Hydropower Sustainability Assessment Protocol.

Meanwhile, Menara Sarawak Energy has been certified as the first green building in East Malaysia and was awarded the Final Green Building Index (GBI) Silver Rating, under the Non-Residential New Construction (NRNC) category.

Recent projects of Sarawak Energy include a Battery Electric Vehicle (BEV) where research and development commenced in 2015 as a means to promote sustainable use of energy.

Through IGEN 2019, the Ministry of Utilities Sarawak and Sarawak Energy are looking to promote an upcoming Sustainability & Renewable Energy Forum (SAREF) slated for 10 - 11th December 2019 at the Borneo Convention Centre Kuching (BCCCK) Sarawak, Malaysia, Borneo.

For more information, kindly visit booth no: 1033 - 1036



JINKO'S TOP NOTCH TECHNICAL EXPERTISE AND COMMITMENT KEY TO SUCCESS

Amongst the long standing exhibitors at IGEN, JINKO SOLAR, the world's largest solar panel manufacturer, subscribes to the traits that top notch technical expertise paired with genuine commitment to quality are key factors for success.

The Shanghai based company has a workforce of over 13,500 employees globally and has held market leadership in the solar panel manufacturing industry since its IPO in NYSE in 2010.

JINKO SOLAR boasts its ability and commitment to sourcing the best raw materials available into developing their products, taking immense efforts to make sure that products manufactured are of top quality.

"As the world's leading solar panel manufacturer, it is crucial to provide value to our customers and business partners. At JinkoSolar, our bill of materials is strictly controlled and regulated such that more than 100 components and raw materials are sourced from the best possible sources to ensure the quality of our products," says a representative.

In May 2015, the company inaugurated its first overseas cell production facility, Jinko Solar Sdn Bhd, in Penang offering employment opportunities for over 1,000 Malaysians.

The state-of-the-art Penang facility, measuring 25,000 sq metres, housing seven solar cell production lines and manufacturing capability of 4 gigawatts.

For further enquiries, visit JINKO SOLAR at booth no: 2031 - 2032.



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 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