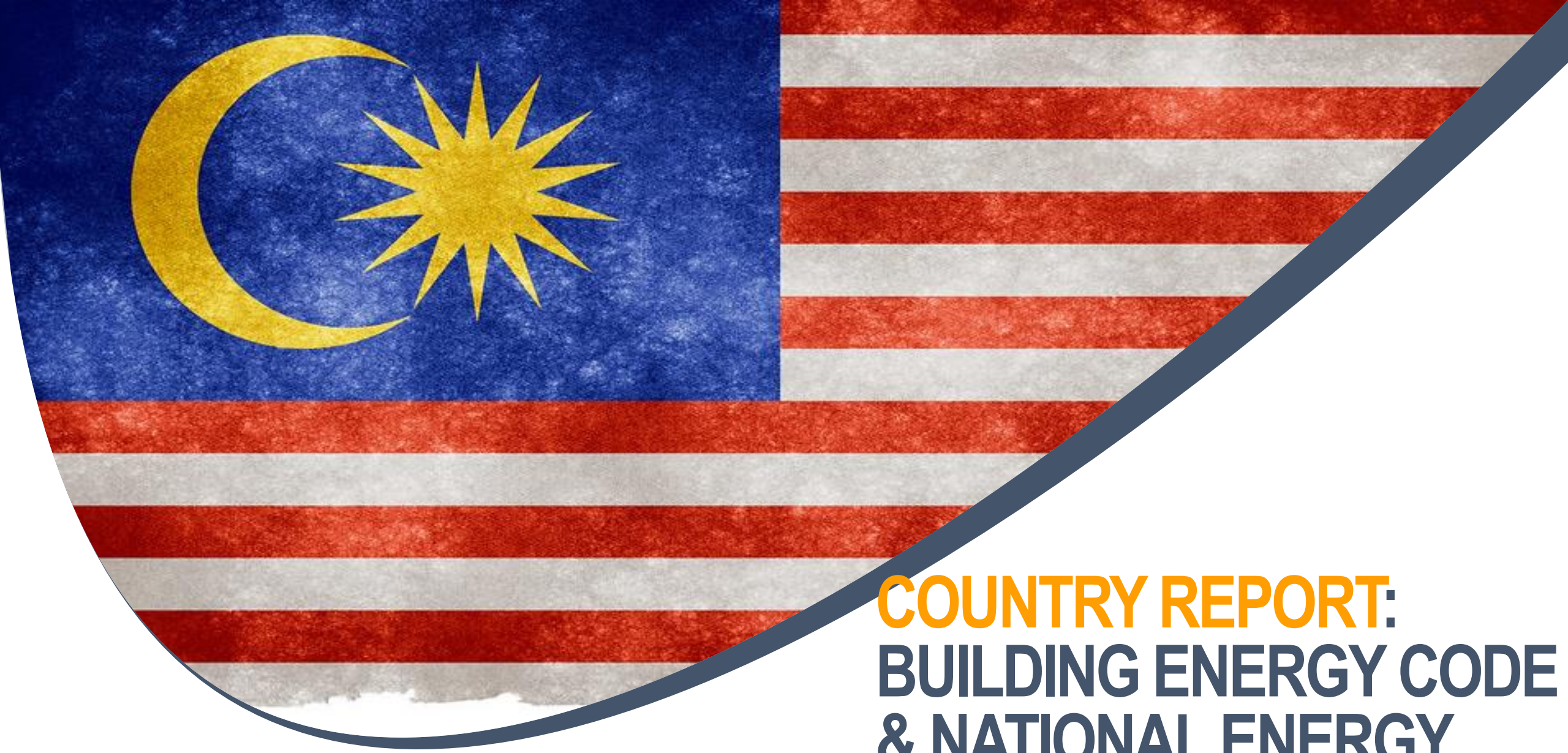

COUNTRY REPORT: BUILDING ENERGY CODE & NATIONAL ENERGY AWARD

by MOHAMED NADHIR ZAINAL ABIDIN

Suruhanjaya Tenaga
Energy Commission

OUTLINE

Introduction

Development of Energy Efficiency and Conservation Act (EECA)

Building Energy Code

MS1525 : Energy Efficiency And Use Of Renewable Energy For Non-residential Buildings - Code Of Practice

Energy Award

National Energy Award (NEA)

Thank You

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INTRODUCTION

1 Energy Management Requirements

- ✓ Appointment of Energy Manager
- ✓ Implementation of Energy Management System
- ✓ Energy Audit
- ✓ Energy management reporting
- ✓ Inclusive Electrical & Thermal

2 Building Energy Requirements

- ✓ Building energy labelling by rating
- ✓ Building Energy Audit

3 Energy Using Product Requirements

- ✓ Obtain certificate of approval (COA)
- ✓ MEPS labelling

4 Registration Requirements

- ✓ Registration of Qualified Persons
- ✓ Registration of Training Institutions

OVERVIEW OF MS1525

Malaysian Standards: (MS)1525:2019 - Energy Efficiency And Use Of Renewable Energy For Non-residential Buildings - Code Of Practice gives guidance on the efficient use of energy including the application of RE in new and existing non-residential building

Purposes of MS1525

BUILD

To encourage the design of new and existing buildings so that they may be **constructed, operated and maintained** in a manner that **reduces the use of energy** without constraining the building function, nor the comfort or productivity of the occupants and with appropriate regard for cost considerations.

MINIMUM STANDARD

To provide the **criteria and minimum standards** for **energy efficiency** in the design of new buildings, retrofit of existing buildings and provide methods for determining compliance with these criteria and minimum standards.

DESIGN

To provide **guidance for energy efficiency designs** that demonstrate good professional judgement and exceeds minimum standards criteria.

MS 1525 was first published in 2001. The first revision was in 2007, the second in 2014 and the third revision in 2019.

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MS1525 KEY FOCUS

- Architectural and Passive Design Strategy
- Building Envelope
- Efficient Air Conditioning and Lighting
- Energy Management System
- Building Energy Performance

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To recognise the best implemented practices by Malaysian companies and organizations through the adoption of energy efficiency, management and renewable energy solutions in driving the country's sustainable energy sector.

NEA is a platform to promote innovation in local technology, research & development (R&D) in line with the country's aspiration to spur energy sector as the new area for economic growth.

In its 3rd year, more than 30 winners were awarded for for their best practices and 26 of them won at the ASEAN Energy Awards

Aspirations

"This **national energy awards** *will be a motivation to industry players, not only as recognition but as a leader that will able to* ***encourage and motivate*** *more private sector as well public sector to participate in this program"*

YB Puan Yeo Bee Yin
Minister of Energy, Science, Technology, Environment and Climate Change (MESTECC)

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Profiling of NEA winners - The Malaysian Reserve 4-page pull-out (11 Sept 2019)

https://reader.themalaysianreserve.com

Distribution

- MESTECC
  - YBM & YBTM office
  - KSU's office
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- MGTC

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Energy Commission

Profiling of NEA winners - The Edge 2-page pull-out (28 Oct 2019)

RECOGNISING THE BEST ADOPTERS OF SUSTAINABILITY ENERGY

CLIMATE CHANGE has been recognised as one of the biggest threats to mankind as weather patterns shift and global temperature changes. This has made combating climate change not only the responsibility of clusters of societies most affected by it but also one where more and more countries are starting to take seriously.

In Malaysia, one avenue where such efforts can be seen is the National Energy Awards (NEA), organised by the Ministry of Energy, Science, Technology, Environment and Climate Change (MESTECC). Greentech Malaysia is the secretariat supported by Suruhanjaya Tenaga (ST) and Sustainable Energy Development Authority Malaysia (SEDA). The programme is funded by Akaun Amanah Industri Berkalan Elektrik (AIBE).

The prestigious awards seek to achieve cutting-edge adoption of energy efficient technology and renewable energy in driving Malaysia towards the sustainable energy aspirations.

At the recently concluded International Greentech and Eco Products Exhibition and Conference Malaysia 2019 (IGEM 2019), we caught up with MESTECC deputy secretary general and chairperson of the NEA Technical Committee Noor Ahlah Abdul Razak for a chat on the NEA and sustainable energy.

The Edge: Could you share with us NEA's role in promoting sustainable energy in Malaysia?

Noor Ahlah Abdul Razak: The main objective of the NEA is to recognise the players in the energy sector for their excellence and achievements in implementing sustainable energy projects in the country. So, this will encourage others to also embark on renewable energy and energy efficient projects.

The NEA started out as merely a platform for us to choose candidates for the Asean energy awards, without any push for companies to implement energy efficiency (EE) and renewable energy (RE) solutions. But along the way, we saw that through the awards, it has successfully added value for the winners in the sense that they are seen as being green.

One example of adding value is abuilding categorised as green tends to fetch a higher market value compared with one without the green certification or accreditation. Now companies have sustainability reports and they can also use them as one of their sustainability achievements.

What is the landscape of sustainable energy in Malaysia? When we talk about sustainable energy, there are two things that come to mind — RE and EE.

And, most people will go for RE because it is seen as the "sexier" form of sustainable energy compared with EE.

When we talk about RE, Malaysia has an ambitious target of 20% of RE in its [energy] mix, based on our 2017 benchmark of 2%. So, this means that we will need to increase RE by 10 times to reach that target. I think this is achievable because the government is introducing a lot of initiatives.

As for EE, we have a target to achieve by 2025 too, that is, to reduce consumption by 8% from the 2015 level. We have programmes outlined to reach that target. This is also in line with the 12th Malaysia Plan to achieve certain targets.

What [have Malaysian companies] expect to reap from participating in RE and EE initiatives?

Almost immediately, companies can see savings on their electricity bills by embarking on RE and EE initiatives. Let's talk about EE first. By implementing basic measures such as changing light bulbs to LED lamps, they can immediately cut their electricity bills by 30% to 50%. Companies actually don't have to spend a lot on changing their light bulbs to LED bulbs because LED bulbs are becoming cheaper. Unfortunately, many companies are not doing that because they feel that they have to invest some money and assume that they won't be able to see the savings immediately. The payback period is very short — it takes as soon as four to five months for a company to see savings of up to 50% on the electricity bill by just changing to LED bulbs.

For RE, when one installs solar panels on his roof, for example, we have a programme called Net Energy Metering (NEM) ... companies can sell excess energy to Tenaga Nasional Bhd (TNB).

The government has also introduced the one-to-one programme where you will be paid according to the price you are buying from TNB. It's very attractive. For example, if your tariff is 51 sen per kWh, you will also receive 51 sen per kWh from TNB when you sell your excess energy to it. This programme is on until the end-December 2020. We really hope companies or building owners will take part in this programme and benefit from it.

The payback period for this installation as well because companies can get various tax exemptions to go solar.

So, there are a lot of benefits for companies to participate in RE or EE programmes.

What do the public and private sectors need to do more in order for Malaysia to be a leader in sustainable energy in this region?

For the public sector, we are trying to promote energy performance contracting (EPC) to encourage building owners to implement EE initiatives. The main issue of the government implementing EE is that it costs money.

Through energy performance contracting, the building owners will not have to come up with a lot of funds. They can engage with what we call energy service companies (ESCO) and they will be investing in the EE projects. They will only be paid through the savings made. So, this makes sure that they have every interest to ensure that they get savings for the government.

This is what we are trying to introduce in the public sector, but the process for procurement needs to be streamlined. We are in the midst of finalising the contract.

For the private sector, it is to the companies' advantage to implement sustainable energy initiatives. It will give them savings on their electricity bills and reduce the cost of doing business. We will facilitate them and provide them with the right environment — incentives, tax allowance, tax exemptions. We also have programmes such as the Net Energy Metering. If companies are complaining about high tariffs, then they should adopt all these initiatives.

Could you share some success stories/achievements from the NEA?

The day after I attended the NEA, I attended an event in Pahang where this mini hydro company has its (NEA) trophy displayed at its booth. So, this shows that the NEA has value to the companies. Through the awards, we hope that other companies that participate in the NEA will do the same to encourage others to join us in this initiative.

I have also received many messages from companies after the awards, asking me how they could participate in the NEA. To me, this means that it has helped promote awareness of sustainable energy among the companies.

What do you hope for the NEA to achieve in years to come?

Our hope is that the NEA will incentivise building owners or businesses to implement sustainable energy initiatives that not only bring monetary benefits to them (in terms of reducing their electricity bill) but also help them achieve their sustainability goals.

The will also help the country achieve its targets under the Paris Agreement. So, it is really a win-win solution for everyone.

> "Our hope is that the NEA will incentivise building owners to implement sustainable energy initiatives that not only bring monetary benefits but also to help them achieve their sustainability goals."
>
> Noor Ahlah, Deputy Secretary General (Energy) and Chairperson for NEA Technical Committee

nea 2019

WINNERS (full listing of winners at www.nationalenergyaward.com.my)

CATEGORY 1 – ENERGY EFFICIENCY

ENERGY MANAGEMENT (BUILDING) (Small & Medium)

Building: Menara TM, MITC Melaka
Owner: Telekom Malaysia Bhd

The energy management and efficiency initiatives at Menara TM Melaka are implemented through:
1. Retrofitting an efficient lighting system
2. Chiller optimisation
3. Operational control by the state-energy management team
4. Awareness programme by tenants and facilities management team

The company positive about continuing the energy efficiency programme and are working on obtaining a Green Building Index (GBI) certification, an Energy Management System ISO 50001 certification as well as installing a 250 kWp solar PV in the parking area.

ENERGY MANAGEMENT (BUILDING) (Large)

Building: Menara Komtar, Penang
Consultant: PDC Setia Sdn Bhd

The most unique thing about Komtar's energy management is that it uses the simplest and most inexpensive way which is often neglected by others — blocking the ingress of heat into the building. PDC Setia constructed glass walls in 32 locations, complete with glass doors to prevent external air from entering the building. The approach is simple and effective, reducing energy consumption by at least 30%. The payback period is merely three months.

ENERGY MANAGEMENT INDUSTRY (Large)

Building: CSC Steel Sdn Bhd headquarters, Melaka
Owner: CSC Steel Sdn Bhd

In 2013, CSC Steel was certified for ISO 50001:2011, which took further strengthened the core energy programmes of the company. One of the key successes is in integrating hardware with smart software. For instance, the self-developed Process Management Information System (PMIS) is an important tool that helps CSC Steel to understand the energy usage pattern of each production line and utility demand, monitoring the electricity maximum demand and managing energy consumption effectively. They have shifted their focus to bigger plans on energy saving for the next three years. These plans are solar energy, a new steam boiler with higher efficiency by integrating two production plants and waste gas recovery for the continuous galvanising line.

GREEN BUILDING

Building: Environmental Preservation & Innovation Centre (EPIC), Negeri Sembilan
Owner: Cenviro Sdn Bhd

EPIC was designed using a climate-and-energy efficient approach, from concept to completion. It takes advantage of the panoramic views of its surroundings, north-south orientation and minimal east-west direct sunlight penetration. There is appropriate insulation incorporated into the walls and roof while large glazed glass pieces are fitted with Double Glazing Unit (DGU). The main staircase and common spaces are naturally ventilated by cutting fans and turbine ventilators. A Smart Detection Lighting Control System with Presence Integrated Lux Sensors are installed for daylight harvesting. These passive designs reduce heat from sunlight and improve energy efficiency, which results in lower Overall Thermal Transfer Value (OTTV) of 31.6 w/m².

The building also has a notable list of green features, which include a renewable energy photovoltaics (PV) (41.6 kWp capacity) blocks for the roofing system and gallery windows and generates sufficient energy for 10.6% of the building's energy consumption.

EE-DESIGNED BUILDING

Building name: Kuala Lumpur International Airport 2, Selangor
Owner: Malaysia Airports Holdings Bhd

KLIA2 was designed based on the concept of 'Airport in the Forest, Forest in the Airport'. It has implemented extensive rainwater and condensate harvesting to reduce potable water use by 13%. It also utilises a Thermal Energy Storage District Cooling Plant to offset peak load demands and a 1.2mw solar PV farm that generates 31% of the building's energy requirement.

The building also makes use of extensive daylighting, where natural ventilation and daylighting are provided at the entrance area. Furthermore, its car park area is designed to encourage and incentivise hybrid and electric vehicle use.

CATEGORY 2 – RENEWABLE ENERGY

ON-GRID (National Grid)

Project: Grid Connected Floating Solar System on the Water Retention Dam, Negeri Sembilan
Owner: Cypark Resource Sdn Bhd

This is the first grid connected floating solar project in Malaysia and is also possibly the first in Southeast Asia outside of Japan and China. Previously, all grid connected solar projects in Malaysia had been either ground mounted or roof top based. The project has been selling electricity to the grid since 2016. Cypark targets to be among the premier company in Green & EE sector in the region by 2025, with expected at least 500 MW capacity or more of RE plants developed, owned, operated and managed by them.

ON-GRID (Local Grid)

Project: Rural Electrification from Renewable Energy (Biogas) for the UMAS community
Owner: TGV Palm Industries Sdn Bhd

Loji Jenakaan Ijogan Umas generates clean, consistent high quality electrical power to rural communities such as FELDA Umas, as well as providing job opportunities for local second generation Felda settlers. The Umas Felda settler's community comprises about 3,000 houses with more than 16,000 residents. During peak hours, the plant can inject up to 1.0 MW of power to the local grid, ensuring continuous supply of electricity for the people. This in turn greatly benefits the community as the power from biogas is more consistent, with less fluctuations. It is also more cost effective compared to diesel power generation.

TGV Palm Industries will continue to aggressively pursue renewable energy projects at its mills for the utilisation of biogas for various uses, such as bio-compressed natural gas/Feed-In Tariff and Rural Electrification projects. TGV regards renewable energy as part of the circular economy which allows us to produce green energy efficiently within the organisation and to reduce fossil fuel usage.

2019 ASEAN ENERGY AWARD

GREEN BUILDINGS AWARDS 2019

Small & Medium Building
Winner | Environmental Preservation and Innovation Centre (EPIC)
Large Building
Winner | IKEA Cheras

ENERGY MANAGEMENT FOR BUILDINGS & INDUSTRY AWARDS 2019

Small & Medium Building
1st Runner up | Wisma TNB Penang
2nd Runner up | Melaka TM Tower
2nd Runner up | KOMTAR Penang
Small & Medium Industry
2nd Runner up | Idaman Phoenix Manufacturing Sdn Bhd
Large Industry
2nd Runner up | CSC Steel Sdn Bhd

ENERGY EFFICIENT BUILDING AWARDS 2019

New and Existing Building
1st Runner up | Kuala Lumpur International Airport (KLIA) 2
1st Runner up | Parasol 1 Factory in the Forest
Retrofitted Building
1st Runner up | Subang Parade Mall Renewable

ENERGY AWARDS 2019

Off Grid – Power Category
Winner | Development of Micro Hydro Project For Kampung Pasum, Padawan, Sarawak
1st Runner up | Sarawak Alternative Rural Electrification Scheme (SARES) On Grid – National Grid
1st Runner up | Building Integrated Solar PV with Agriculture and Aquaculture Activities (Mushroom Farm and Fish Farming) Solar Project (BIPVAS) to TNB 11.9kv
Distributions in Chembong, Negeri Sembilan
On Grid – Local Grid
2nd Runner up | Rural Electrification from Renewable Energy Biogas for UMAS Community Special Submission
Winner | Compressed Bio-natural Gas (CBG) for Green Mobility and Power Generation in Oil Palm Industry

For more information, contact NEA Secretariat
Tel: 03-8921 0921
email: nea@greentechmalaysia.my
website: www.nationalenergyaward.com.my

Organised by

Supported by

Suruhanjaya Tenaga Energy Commission

Profiling of NEA winners – Site visit & video shoot (NEA winners only)

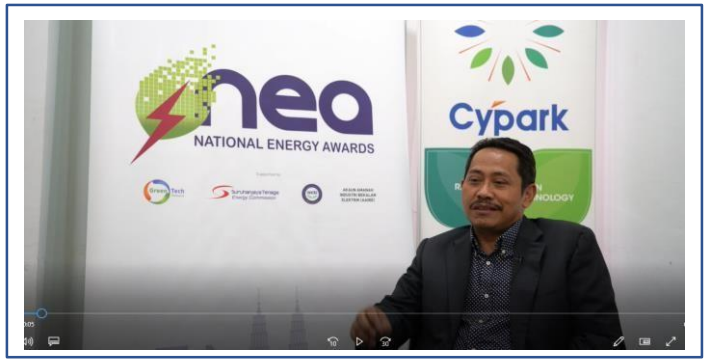
Kualiti Alam (EPIC Cenviro)

Menara Komtar

Menara TM Melaka

CSC Steel

FGV Tawau



Cypark Resources

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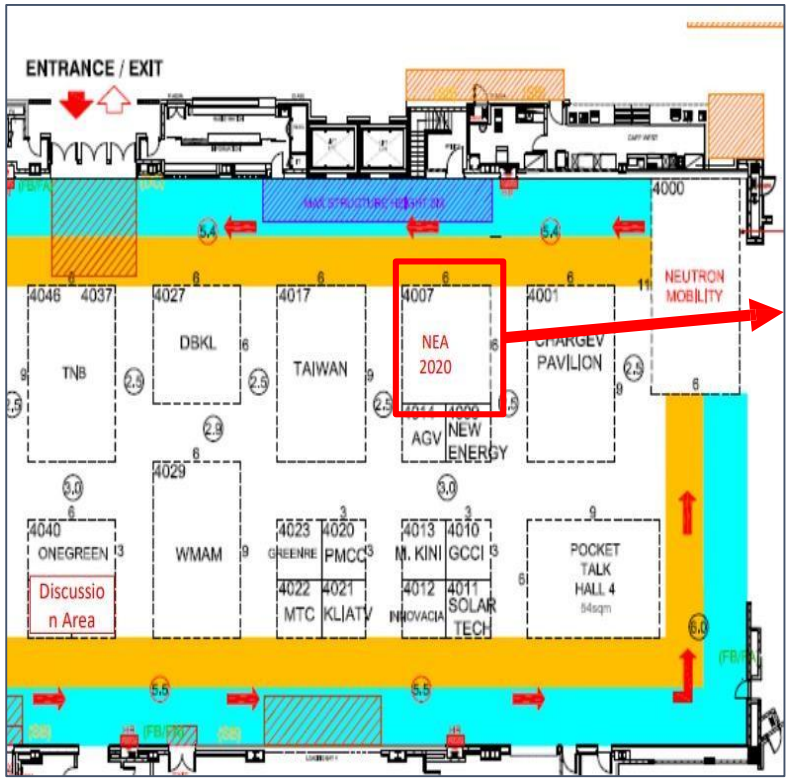
NEA Pavilion at IGEM 2019

Outcomes

- 212 registered interest
- 164 pre registered



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Energy Commission

KADIM flanked by Azhaili and Wan (right) at the NEA award ceremony.

Unimas wins off-grid power award

KOTA SAMARAHAN: Centre for Renewable Energy (CREN) at Universiti Malaysia Sarawak (Unimas) has won an award in the Renewable Energy (Off Grid Power) Category of the National Energy Award (NEA) 2019.

They won the award with 'Development of Micro Hydro project for Kampung Assam, Padawan' near here.

Kampung Assam is home to about 35 Bidayuh families with a population of about 450 people.

The village was initially not connected to the state electricity grid, forcing it to rely on costly diesel-powered generators.

CREN, through a grant of about RM4 million, from Energy, Green Technology and Water Ministry (KeTTHA), completed a design-and-build project to provide basic hydroelectric power supply of 10KW + 5KW systems in 2017.

Today, Kampung Assam is already on grid and the micro hydro system is thereby connected to a small factory hall owned by the community that allows them to carry out income generation activities with free power.

NEA 2019 was organised by the Energy, Science, Technology, Environment and Climate Change (MESTECC) Ministry to give recognition to Malaysian companies and organisations leading the field in sustainable practices through the adoption of energy efficiency and renewable energy solutions.

Its ministes, Yeo Bee Yin, presented the awards to winners at a glittering ceremony in Kuala Lumpur last Thursday night.

Apart from a trophy and a cash prize of RM15,000, Unimas has also been selected to represent Malaysia in the Asean Energy Award 2019, under the same category, to be held later in Bangkok.

Associate Professor Dr Azhaili and Associate Professor Dr Wan Azlan together with Unimas vice chancellor Professor Datuk Mohamad Kadim Suaidi received the awards.

New Sarawak Tribune, 3rd August 2019

1 Minister of Energy, Science, Technology, Environment and Climate Change (Mestecc) Yeo Bee Yin (centre) with (from left) Mestecc deputy secretary general (environment and climate change) Dr K Nagulendran, Mestecc secretary general Datuk Seri Dr Mohd Azhar Yahaya, Mestecc deputy secretary general for energy and chair of the National Energy Awards 2019 technical committee Noor Afifah Abdul Razak and GreenTech Malaysia acting CEO Syed Ahmad Syed Mustafa at the National Energy Awards 2019 on Aug 1.

TM, MAHB among winners for energy efficiency in 2019 NEA

NEA is an initiative by MESTECC to recognise energy efficient and RE practices across public and private sectors

by MANN RAO

COMPANIES across various industries and fields grabbed top honours in Malaysia's 2019 National Energy Awards (NEA) for best practices in energy efficiency and renewable energy (RE).

The second edition of the awards received a total of 165 applications, where 77 organisations were qualified to participate in the two broad categories of energy efficiency and RE. This was higher than 105 applications submitted for 2018's NEA.

The NEA is an initiative by the Ministry of Energy, Science, Technology, Environment and Climate Change (MESTECC) to recognise energy efficient and RE practices across public and private sectors, while encouraging further innovation in the field.

Its Minister Yeo Bee Yin said the NEA is a cornerstone in the joint venture between the government and the private sector for transformation in products, solutions and commercialisation towards a green economy.

"It is my aspiration to see NEA evolve to be the leading platform for sustainable energy industry players to convene, network and share best practices with one another.

"It is on this note that I would like to see more industry associations and chambers to be part of this programme," she said during the award ceremony in Kuala Lumpur last week.

She said the response from applicants was encouraging, as it showed the growing commitment by Malaysian businesses and institutions to adopt sustainable practices in their operations.

Malaysian Green Technology Corp, which operates under the purview of MESTECC, is the implementing agency for the awards as part of its mandate to develop and promote green technology as an engine for Malaysia's socio-economic growth.

In acting CEO Syed Ahmad Syed Mustafa said the NEA will encourage more organisations and industries to get involved in this field, while providing a platform to recognise their initiatives.

"The aim is to encourage more companies to be involved in RE and energy efficiency in order to go for more sustainability, as well as energy security.

"In energy efficiency, we want more optimisation of energy usage conservation, so that people can save cost and, at the same time, save the environment," he told The Malaysian Reserve after the event.

Winners of the NEA in 2019 will go on to represent Malaysia in the Asean Energy Awards (AEA) scheduled in September in Thailand. The previous 19 NEA winners in 2018 represented the country in the Asean awards held in Singapore last year, 10 of which took home an award.

"[The AEA] will put us on the map where we can position ourselves as a hub that promotes the utilisation of RE, as well as the conservation of energy or energy efficiency," Syed Ahmad said.

The first category for the 2019 NEA, namely energy efficiency, received 27 submissions for energy efficient buildings and 27 applications for energy management.

Winners in this category were Tekken Malaysia Bhd (TM) for its Menara TM building in Melaka; Malaysia Airports Holdings Bhd's (MAHB) Kuala Lumpur International Airport (KLIA2) terminal; PDC Setia Utar Sdn Bhd for Menara Kuntze in Pulau Pinang; Kualiti Alam Sdn Bhd for its Environmental Reservation and Innovation Centre in Negri Sembilan; and CSC Steel Holdings Bhd for energy management.

The second category was for RE and a total of 10 companies and organisations submitted entries.

The winners were Cypark Resources Bhd for its floating solar project in Negri Sembilan and PGV Palm Industries Sdn Bhd for its renewable biogas project which provides electricity to the Umas community in Tawau.

Meanwhile, KUB Berjaya Energy Sdn Bhd, Cun Teng Saw Sealfy Sdn Bhd, Mattar Engineering Sdn Bhd, Amcorp Perting Hydro Sdn Bhd and the Menara KEN building took home merit awards during the 2019 NEA which concluded on Aug 3.

The Malaysian Reserve , 5th August 2019

Recognition for energy efficiency

Institutions and companies awarded for best practices and solutions at National Energy Awards 2019

The Star, 6th August 2019

Unimas menang Anugerah NEA 2019

PROFESOR Madya Dr Azhaili (kiri) dan Dr Wan Azlan (kanan) bergambar dengan Mohamad Kadim Suaidi (tengah) bergambar bersama di Majlis Anugerah NEA 2019.

KOTA SAMARAHAN: Pusat Tenaga Boleh Diperbaharui (CREN) Universiti Malaysia Sarawak (Unimas) memenangi kategori Anugerah Tenaga (Kuasa Grid Luar) sempena Anugerah Tena[illegible] ga Nasional (NEA) 2019 melalui projektasan mereka yang bertajuk Pembangunan Projek Hidro Mikro untuk Kampung Assam, Padawan, setempat di Kuala Lumpur.

Kampung Assam merupakan [illegible] kampung itu yang tidak mempunyai grid bekalan elektrik sekali gus hanya bergantung kepada penjana elektrik diesel yang mahal untuk kebiasaan harian yang bukan berpenduduk 24 jam.

Melalui pembinaan sebanyak dua buah loji dengan kapasiti 10 kilowatt (kW) + 5kW pada tahun 2017.

Kini, Kampung Assam telah memiliki grid elektrik yang dibekalkan oleh Sistem Hidro Mikro tersebut yang juga berfungsi dengan lebih kecil milik komuniti itu untuk gas rumahnya mereka menjana pendapatan dengan bekalan elektrik percuma.

Sebelum itu, NEA 2019 dianjurkan oleh Kementerian Tenaga, Sains, Teknologi, Alam Sekitar dan Perubahan Iklim (MESTECC) bagi memberi pengiktirafan kepada syarikat-syarikat dan organisasi di Malaysia yang mengutamakan kelang sa dalam amalan-amalan [illegible] penggunaan kecekapan tenaga dan penyelesaian tenaga boleh diperbaharui.

Dalam ucapan tertulis, Menteri MESTECC, Yeo Bee Yin menyampaikan anugerah kepada pemenang yang membawa pulang total RM15,000 kepada Unimas selain dipilih untuk mewakili Malaysia dalam Anugerah Tenaga ASEAN 2019, di bawah kategori yang sama, yang akan diadakan di Bangkok nanti.

Turut hadir ialah Profesor Madya Dr. Azhaili, Profesor Madya Dr. Wan Azlan dan bersama Naib Canselor Unimas, Profesor Datuk Mohamad Kadim Suaidi hendak di angkat anugerah NEA seterusnya anugerah tersebut.

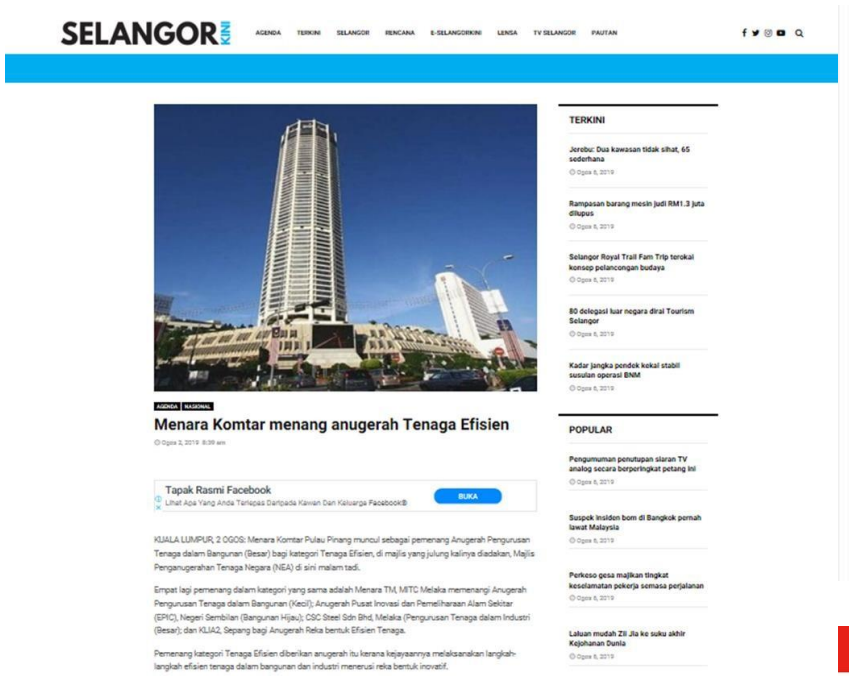
Pada acara yang sama, CREN Unimas dan Tabung Kejuruteraan Unimas berhasrat dapat menjadi hab Malaysia antara dan Unimas antara hubungan dengan penghargaan itu untuk mewakili negara di peringkat ASEAN.

Utusan Borneo, 3rd august 2019

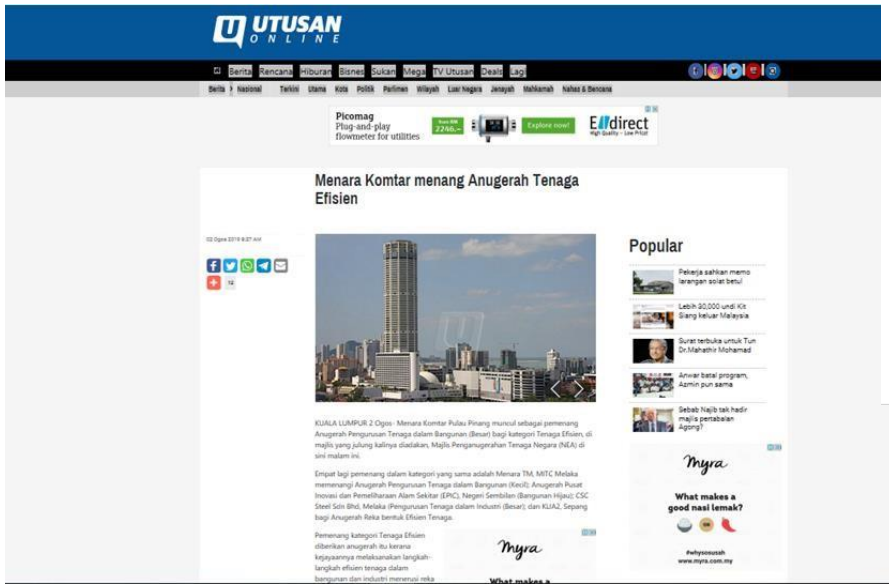
Suruhanjaya Tenaga
Energy Commission

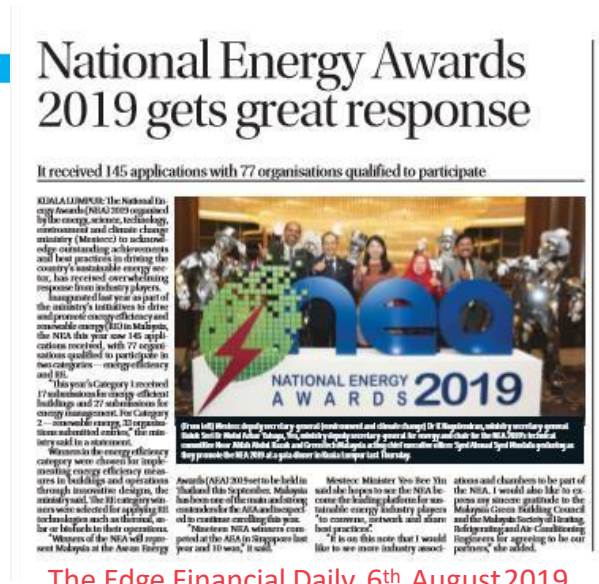
www.bernama.com , 2nd August 2019

Berita harian online, 2nd august 2019



Selangorkini.my , 2nd august 2019




National Energy Awards 2019 gets great response

It received 145 applications with 77 organisations qualified to participate

KUALA LUMPUR: The National Energy Awards (NEA) 2019 organised by the energy, science, technology, environment and climate change ministry (Mestecc) to acknowledge outstanding achievements and best practices in driving the country's sustainable energy sector, has received overwhelming response from industry players.

Inaugurated last year as part of the ministry's initiatives to drive and promote energy efficiency and renewable energy (RE) in Malaysia, the NEA this year saw 145 applications received, with 77 organisations qualified to participate in two categories — energy efficiency and RE.

"This year's Category 1 received 17 submissions for energy efficient buildings and 27 submissions for energy management. For Category 2 — renewable energy, 23 organisations submitted entries," the ministry said in a statement.

"Winners in the energy efficiency category were chosen for implementing energy efficiency measures in buildings and operations through innovative designs, the ministry said. The RE category winners were selected for applying RE technologies such as thermal, solar or biofuels in their operations.

"Winners of the NEA will represent Malaysia at the Asean Energy Awards (AEA) 2019 set to be held in Thailand this September. Malaysia has been one of the main and strong contenders for the AEA and has scooped the coveted trophy four times.

"Nineteen NEA winners completed at the AEA in Singapore last year and 10 won," it said.

Mestecc Minister Yeo Bee Yin said she hopes to see the NEA become the leading platform for sustainable energy industry players "to converse, network and share best practices".

"It is on this note that I would like to see more industry associations and chambers to be part of the NEA. I would also like to express my sincere gratitude to the Malaysia Green Building Council and the Malaysia Society of Heating, Refrigerating and Air-Conditioning Engineers for agreeing to be our partners," she added.

The Edge Financial Daily, 6th August 2019

HEAD TOPICS MALAYSIA

Tahniah pengurusan Komtar

KUALA LUMPUR 2 Ogos- Menara Komtar Pulau Pinang muncul sebagai pemenang Anugerah Pengurusan Tenaga dalam Bangunan (Besar) bagi kategori Tenaga Efisien, di majlis yang julung kalinya diadakan, Majlis Penganugerahan Tenaga Negara (NEA) di sini malam ini.

Majlis penganugerahan itu dianjurkan oleh Kementerian Tenaga, Sains, Teknologi, Alam Sekitar dan Perubahan Iklim (MESTECC).

Memandangkan Malaysia mengeluarkan kira-kira 370 juta ton karbon dioksida, Yeo berkata usaha lebih gigih diperlukan, terutama berkaitan jejak karbon.

MESTECC turut memilih Gerbang Alaf Sdn.Bhd., ZOG Engineering Technology, Malaysian Green Technology Corporation dan SIRIM Berhad untuk Penyertaan Khas ke Majlis Anugerah Tenaga ASEAN yang akan berlangsung di Bangkok, Thailand tahun hadapan. - BERNAMA

Headtopics.com , 2nd august 2019

Outcomes to date

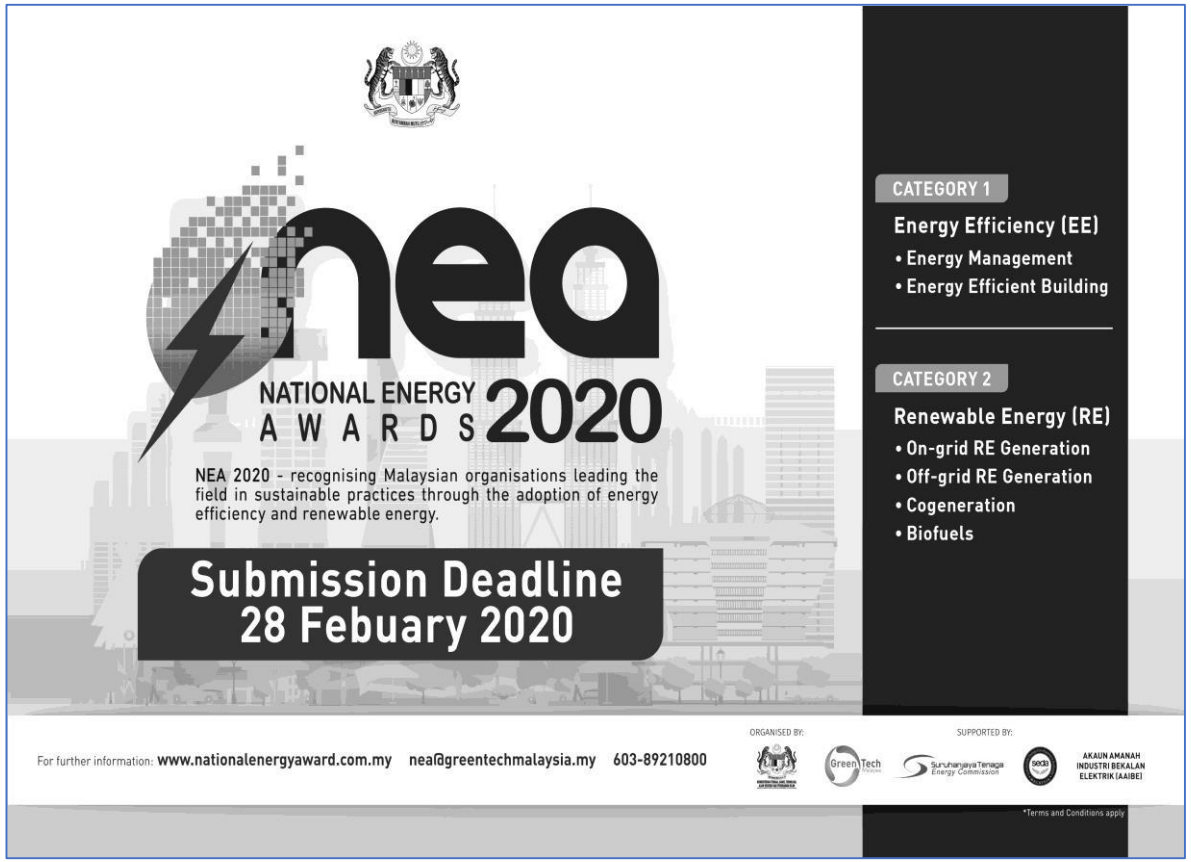
- **105** Applications forms received.
- **73 reports submitted** to secretariat.
- NEA 2018 winners & runners up -
  i. **Energy Efficiency: 13**
  ii. **Renewable Energy: 6**
- 19 NEA winners and 1 special submission submitted to ASEAN Energy Awards (AEA) 2018.
- **11 organisations won at ASEAN Energy Award (AEA 2018)**

- **145** Applications forms received.
- **77 reports submitted** to secretariat.
- NEA 2019 winners & runners up -
  i. **Energy Efficiency: 11**
  ii. **Renewable Energy: 4**
- 18 organisations and 4 special submissions submitted to ASEAN Energy Awards (AEA) 2019.
- **Total of 16 organisations won at ASEAN Energy Award (AEA) 2019.**

ASEAN ENERGY AWARD 2019

CATEGORY	NATIONAL ENERGY AWARDS	ASEAN ENERGY AWARDS
ENERGY MANAGEMENT		
SMALL AND MEDIUM		
1. Buildings	**1. Menara Telekom Melaka** **2. Wisma TNB Penang**	**2nd Runner-Up** **1st Runner-Up**
2. Industries	**1. Idaman Pharma Manufacturing SB Perak**	**2nd Runner-Up**
LARGE		
1. Buildings	**1. Komtar Penang** 2. Hospital Slim River, Perak	**2nd Runner-Up**
2. Industries	**1. CSC Steel Sdn Bhd, Melaka** 2. TG Medical Sdn Bhd F14, Klang	**2nd Runner-Up**
SPECIAL SUBMISSION		
GREEN BUILDING & ENERGY EFFICIENT BUILDING		
GREEN BUILDING		
1. Small and Medium	**1. EPIC Seremban**	**Winner**
2. Large	**2. IKEA Cheras**	**Winner**
NEW AND EXISTING BUILDING	**1. KLIA2** **2. Paramit Factory in the Forest**	**1st Runner-Up** **1st Runner-Up**
TROPICAL BUILDING		
RETROFITTED BUILDING	**1. Subang Parade Mall** 2. Hospital Duchess of Kent, Sabah	**1st Runner-Up**
SPECIAL SUBMISSION**		
1. Appropriate Technology	1. Gerbang Alaf Restaurant (Mc Donald's)**	
2. Cutting Edge Technology	1. ZOG Engineering Technolgy**	
3. ZEB Ready	1. Malaysia Green Technology Corp (MGTC)**	
JUMLAH	**16**	**10**

Calling for Submission



Specifications

NEA2019_Berita Harian_16cmX 26.1cm_FA_The Star.jpg
NEA2019_NST_16cmX 26.1cm_FA.jpg
NEA2019_NST_33cmX 27cm_FA_The Star.jpg
NEA2019_SinChew_26.5cmX 32cm_FA_The Star.jpg
NEA2019_Star_18cmX 26.1cm_FA-01.jpg
NEA2019_The Edge_18cmX 26.2cm_FA-01.jpg

Period

1st Wave – 3rd or 4th week Nov 2019
2nd wave – 2nd or 3rd week Jan
3rd wave – 1st week Feb

Dear Y.Bhg. Tan Sri /Datuk Seri/ Dato' Seri/ Datuk/ Dato'/ Datin/ Prof. Ir. Dr./ YBhs. Dr./ Tuan/ Puan,

Greetings from GreenTech Malaysia!

The Ministry of Energy, Science, Technology, Environment and Climate Change (MESTECC) is delighted to kick-off the 3rd National Energy Awards (NEA) 2020, an annual recognition to acknowledge outstanding achievements and best practices in driving the country's sustainable energy sector.

NEA is a platform to promote the development of renewable energy (RE) and energy efficiency (EE) innovation which focuses on local products and services in Malaysia. It is also a strategic move to promote innovation in local technology and development in line with the country's aspiration to spur energy sector as the new area for economic growth.

AWARDS CATEGORIES

Category 1 - Energy Efficiency

Outstanding energy management and energy efficiency efforts within the commercial and industrial sectors

Click here to learn more

Category 2 - Renewable Energy

Stellar performance in on-grid and off-grid renewable energy generation as well as cogeneration and biofuels

Click here to learn more

EDM

Social Media

Web Portal

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Energy Efficiency and Conservation Unit
Industry Operation Department
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