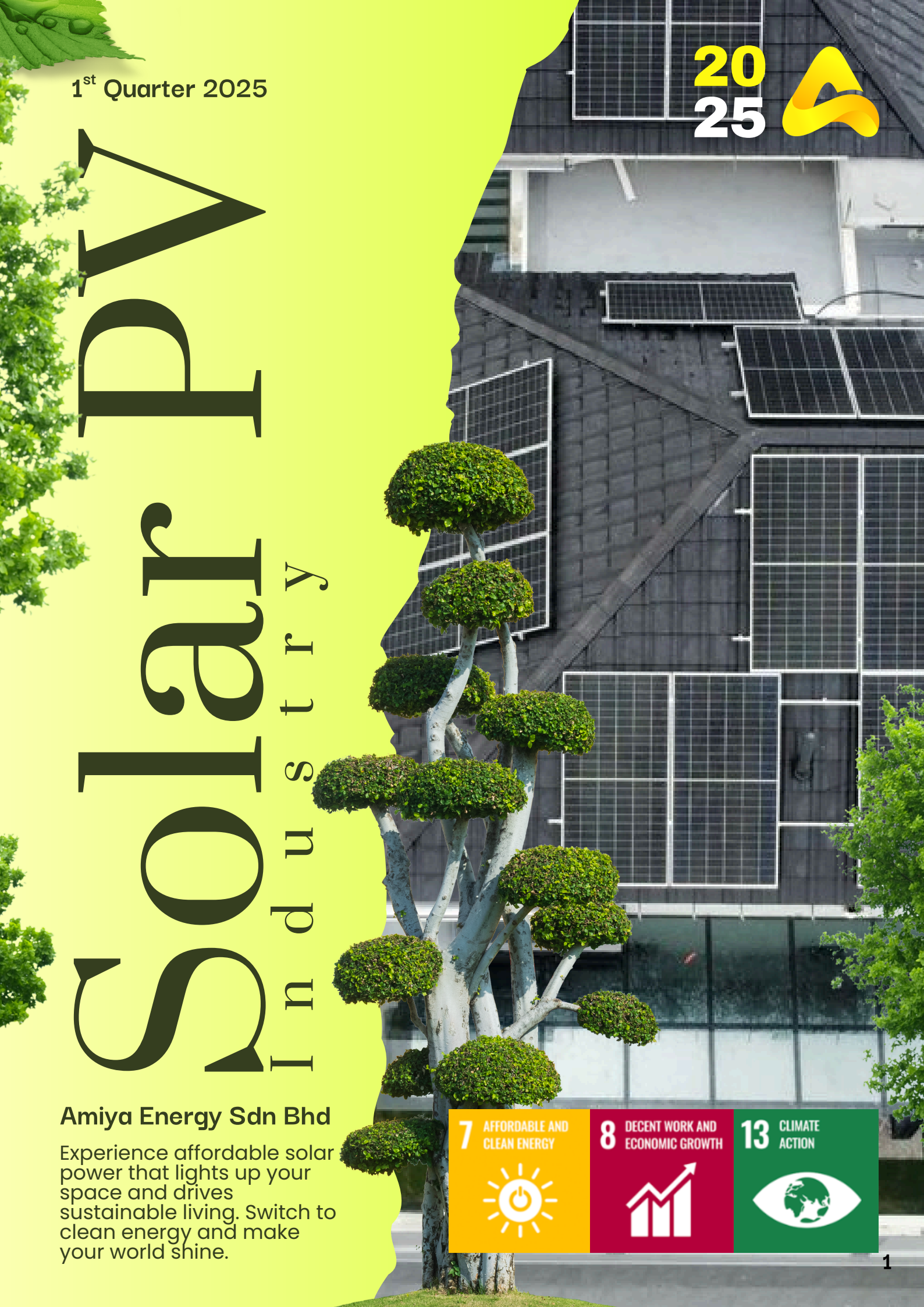
1st Quarter 2025

Solar PV Industry

2025



Amiya Energy Sdn Bhd

Experience affordable solar power that lights up your space and drives sustainable living. Switch to clean energy and make your world shine.

7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WORK AND ECONOMIC GROWTH

13 CLIMATE ACTION

Solar PV
Industry

RESIDENTIAL | INDUSTRIAL | COMMERCIAL | MAINTENANCE

MISSION
Make Every Life Bloom

VISION
A world electrified, where life blooms with affordable and clean energy.

COMPANY CORE VALUES
1. Customer First
2. Active Breakthrough
3. Teamwork

A	M I	Y A
[Present]	**[Past]**	**[Future]**
ALLY My Wife	*My Late Mom*	*My Daughter*
Appreciate whatever we have at the present	Grateful on what mother earth have done for us in the pass	Take action to fight against climate change for the greener future

"**AMIYA** holds a special meaning, derived from the names of the most important people in my life. My wife, mother, and children."

- Peter Chua





INTRODUCTION

this is where blooming life begins



COMPANY BACKGROUND

Amiya Energy is a newly established company that officially opened its doors in March 2024. Specializing in advanced energy solutions, Amiya Energy is focused on delivering innovative technologies that promote sustainability and efficiency in the energy sector. With a fresh perspective and a commitment to addressing contemporary energy challenges, the company aims to set new standards in renewable energy and smart technology integration. At its core, Amiya Energy is dedicated to offering cutting-edge solutions that integrate renewable energy sources with sophisticated storage and grid management systems. The company seeks to contribute to the global transition towards cleaner energy by leveraging state-of-the-art technologies and sustainable practices.



ORGANIZATIONAL
Charts
Amiya Energy Sdn Bhd



PETER CHUA
Director of Aimiya Energy



ARIFF AIMAN
Marketing Executive



JUSTIN LOW
Marketing Executive



ABI ONG
Sales Executive



IZACK RAJ
Sales Executive



IZZAH
Project Engineer



AILMAN ARIF
Project Engineer

At Amiya Energy, we are committed to driving sustainable energy solutions for a brighter future. Our diverse and dynamic team works collaboratively to deliver innovative renewable energy projects, promote energy efficiency, and create lasting value for our stakeholders.

With a strong foundation in clean energy technologies and a mission to empower communities, we strive to lead the transition toward a greener and more sustainable world.

Together, we are energizing progress and shaping a cleaner tomorrow.

DIRECTOR
Message

Dear Readers,

I am excited to welcome you to this edition of our company magazine at ***Amiya Energy Sdn Bhd***, where we strive for Malaysia's transition to sustainable energy. Over the past year, we have achieved growth and innovation by delivering advanced rooftop solar PV systems, helping businesses cut costs and promote a greener future.

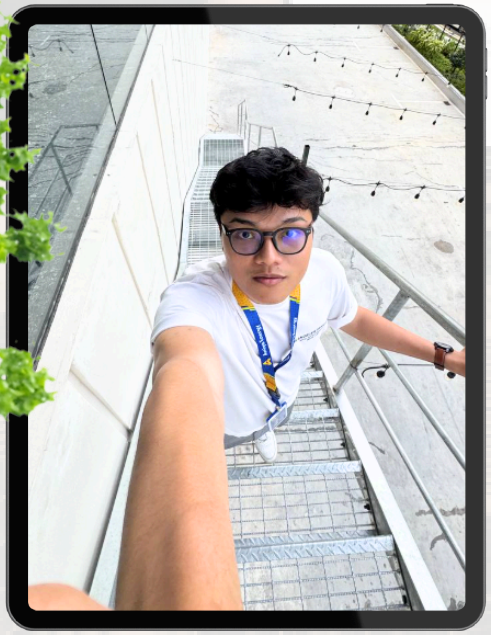
Our commitment to sustainability drives us to adopt the latest solar technologies and support clients in reaching their environmental goals. This progress is thanks to our dedicated team, trusted clients, and supportive stakeholders.

Looking ahead, we aim to expand our impact, explore new technologies, and foster collaborations for clean energy adoption. Together, we can create a brighter and cleaner tomorrow. Thank you for being part of this journey.



MEET THE TEAM

Marketing Department



Hello, I'm **Ariff Aiman**, the **Marketing Executive** at Amiya Energy since May 2024. It has been an amazing experience to see how renewable energy is changing lives and uplifting communities. This E-Newsletter showcases our commitment to innovation and sustainability. Together, we are creating a brighter, cleaner future for everyone. Thank you for your continued support as we strive to light up new possibilities with solar energy.

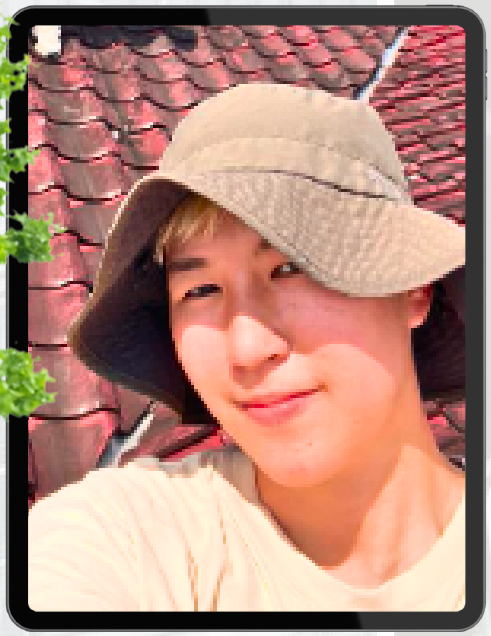
"Make Every Life Bloom"



I'm **Justin Low**, a **Marketing Executive** at Amiya Energy Sdn Bhd. When stress accumulates, I enjoy jogging—it helps me clear my mind and maintain focus. Together, let's promote the advantages of solar energy, raise public awareness, and inspire a passion for our environment and planet.

MEET THE TEAM

Sales Department



Hello! I'm **Abi Ong**, a **Sales Executive** who is passionate about linking people to sustainable energy solutions. Four years ago, I was in Canada constructing houses, an experience that instilled in me the importance of resilience and practical problem-solving. I also earned my degree in Communication from the University of Prince Edward Island, which enhanced my ability to understand and connect with others.

Today, I am proud to be part of this incredible team, committed to assisting our customers in adopting solar energy and fostering a greener future. Let's collaborate to power the world sustainably!



Hi, my name is **Izack Raj**, and I'm a **Sales Executive** at Amiya Energy Sdn. Bhd., where we focus on delivering clean, efficient, and cost-effective solar energy solutions across Malaysia. I work closely with residential, commercial, and industrial clients to understand their energy needs and provide customized solar systems that reduce electricity bills and support a more sustainable future. With a strong passion for renewable energy, I'm dedicated to helping our clients transition to solar with confidence and clarity.

MEET THE TEAM

Engineering Department



I'm **Izzah Nadhirah**, serving as a **Project Engineer** at Amiya Energy. I hold a degree in Electrical Engineering from UTHM, and I'm excited to deepen my knowledge of the solar industry while collaborating with all of you.

In my spare time, I enjoy traveling and emceeing events and weddings. I look forward to working together and contributing to our mission of helping every life flourish!



Hi, I'm **Ailman**, a **Project Engineer** at Amiya Energy. I graduated from Universiti Tun Hussein Onn Malaysia with a background in engineering and a strong interest in solar and sustainable energy. My role involves applying technical knowledge in project planning, system design, and on-site coordination to ensure the successful execution of renewable energy projects. Outside of work, I enjoy staying active through hiking, running, and traveling. Being outdoors and exploring nature is something I truly enjoy.

WHY CHOOSE US?

EXPERIENCED MANPOWER

With over 4 years of hands-on experience, our skilled engineers bring a wealth of knowledge and technical proficiency to every project. We leverage our extensive industry experience to deliver reliable and innovative energy solutions.

FAST INSTALLATION

We understand the importance of timely project completion. Our team is dedicated to ensuring fast, hassle-free installation, allowing you to benefit from your energy solutions without unnecessary delays.



CUSTOMER SERVICE

Your satisfaction is our goal. We offer exceptional customer service and support throughout the entire process, from initial consultation to post installation maintenance.

COMPREHENSIVE INSURANCE

We understand the importance of timely project completion. Our team is dedicated to ensuring fast, hassle-free installation, allowing you to benefit from your energy solutions without unnecessary delays.

SOLAR IN MALAYSIA

2007 - 2024

2007–2010:

Early initiatives in Malaysia's renewable energy sector included:

RE Policy Introduction:
Emphasis on renewable energy, especially solar, in the 9th Malaysia Plan (2006-2010) with the Small Renewable Energy Program (SREP) promoting RE generation.

Feed-in Tariff (FiT) Planning:
Exploration of FiTs to attract investment in renewable energy, particularly solar.

Growing Awareness:
Increased public and private interest in solar energy driven by pilot projects and academic studies.

2011–2015:

Formal Policies and Industry Kickstart in Malaysia:

2011:
The Renewable Energy Act introduced the Feed-in Tariff (FiT), ensuring fixed payments for solar energy producers and attracting private investments.

Suria 1000 Program: *Launched to support solar photovoltaic (PV) system installations in residential and commercial buildings.*

Increased PV Installations: *By 2015, the FiT scheme led to over 200 MW of installed solar PV capacity.*

Global Recognition:
Malaysia became a leading exporter of PV modules, capitalizing on its strong manufacturing sector.

SOLAR IN MALAYSIA

2007 - 2024

2016-2020:

Scaling Up Solar Adoption involves several key initiatives:

Net Energy Metering (NEM) Introduction (2016):
Replaced FiT, allowing consumers to offset bills by sending excess solar energy to the grid.

Large Scale Solar (LSS) Projects:
Launched in 2016, leading to over 1 GW of installed capacity by 2020 through competitive bidding.

Grid Parity Progress:
Reduced solar PV costs and improved efficiency made solar energy competitive with traditional sources.

Green Investment Growth:
Government incentives and tax breaks encouraged investment in renewable energy projects.

2021-2024:

Accelerated Growth and Decarbonization Goals 2011:

Enhanced NEM (NEM 3.0):
Launched in 2021 to promote solar adoption via three programs: NEM Rakyat (residential), NEM GoMEn (government), and NOVA (commercial/industrial).

National Renewable Energy Goals:
Malaysia targets 31% renewable energy capacity by 2025 and 40% by 2035, with solar as a key focus.

Increased Private Sector Engagement:
Companies like Amiya Energy support solar adoption through innovative financing and installation.

Technology Advancements:
Battery storage and smart grids enhance solar energy efficiency and reliability.



OUR SERVICES

At Amiya Energy, we are deeply committed to delivering innovative and sustainable energy solutions tailored to your unique needs. With a focus on excellence and environmental responsibility, we empower businesses and homeowners alike to transition seamlessly to solar energy, reducing carbon footprints while maximizing efficiency and cost savings.

Explore how our comprehensive services—from customized solar installations to cutting-edge energy storage systems—can help you harness the power of renewable energy. Together, let's build a cleaner, greener future for generations to come.

Join us in shaping a brighter tomorrow with reliable, eco-friendly energy solutions designed just for you.

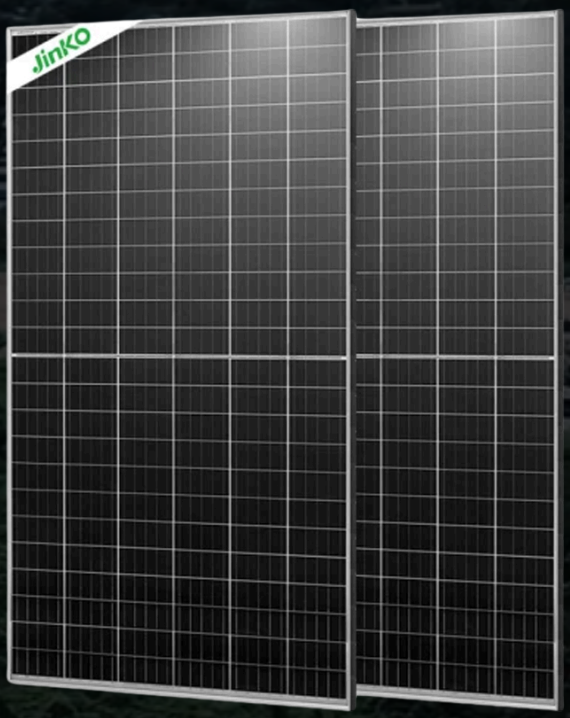
- **Residential**
- **Commercial**
- **Government Building**
- **Operation & Maintenance**
- **Insurance**

PRODUCT WE USE

PANEL & INVERTERS

SOLAR PANEL

Solar JinKO





INVERTER

STRING

solis HUAWEI

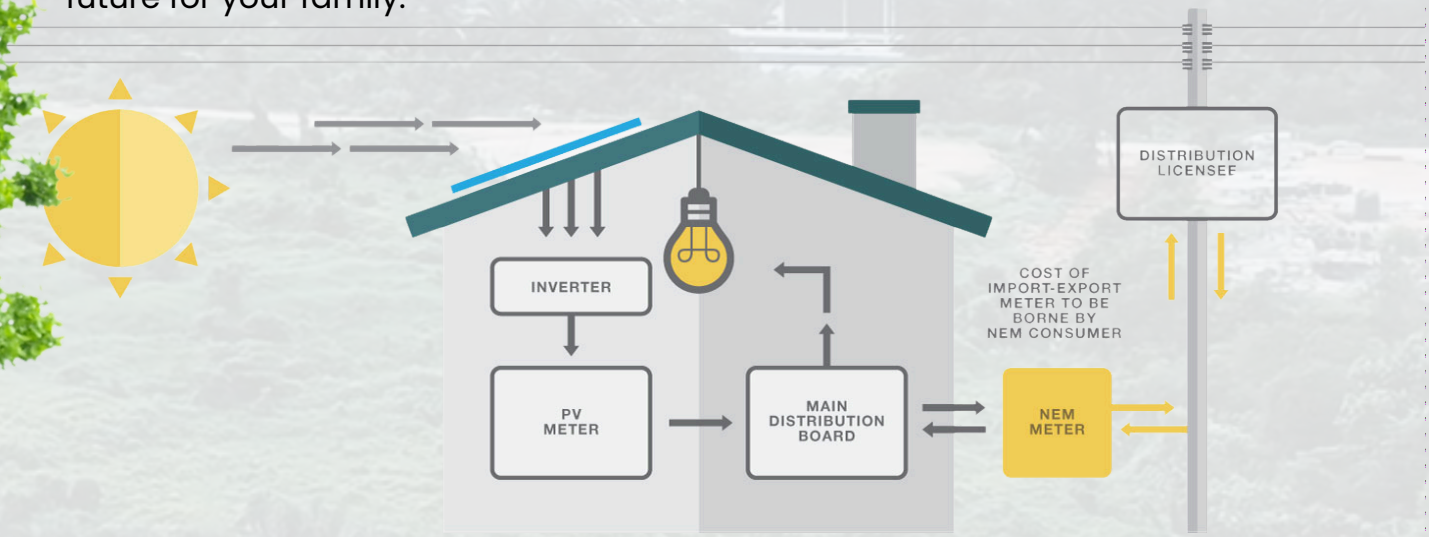
HYBRID

Deye SAJ

RESIDENTIAL

NEM RAKYAT

Turn your home into a powerhouse of clean energy! With **NEM Rakyat**, enjoy reduced electricity bills by generating your own solar energy and exporting the surplus back to the grid. Let us help you create a brighter, more sustainable future for your family.



CONCEPT OF NEM RAKYAT

Under the **NEM Rakyat** Programme, domestic consumers with rooftop solar PV installations consume generated energy first, with excess exported to the TNB grid. Credits for excess energy offset electricity bills on a one-to-one basis for ten years. A quota of 250MWac is available for registered TNB consumers in Peninsular Malaysia, with capacity limits of 5kWac for single-phase and 12.5kWac for three-phase systems, applicable only to private dwellings not involved in prior solar programs.

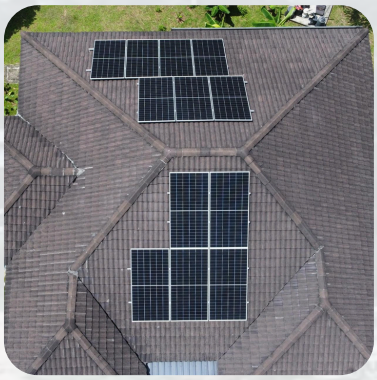
BENEFITS OF NEM RAKYAT

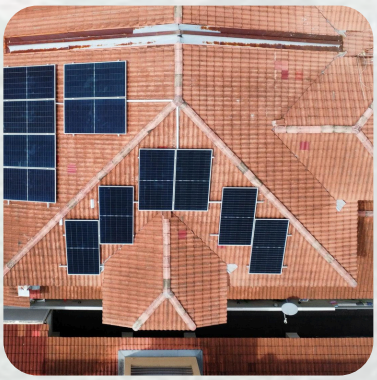
NEM consumers prioritize self-consumption of generated energy, reducing imports from the Distribution Licensee (DL) and protecting against future electricity tariff increases, especially for high-tariff consumers. Excess energy is exported to the utility grid on a “one-on-one” offset basis, with credits rolling over for up to 12 months. Many domestic consumers may export excess energy while away during weekdays.

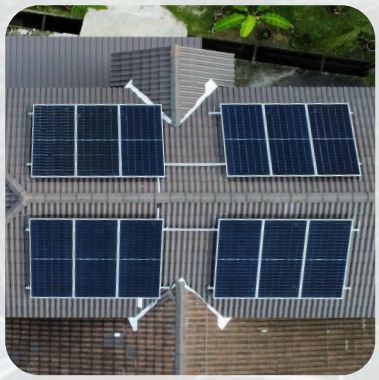
RESIDENTIAL

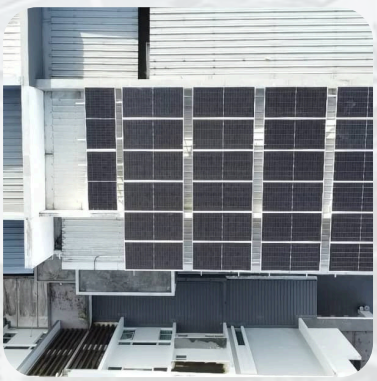
COMPLETED PROJECT









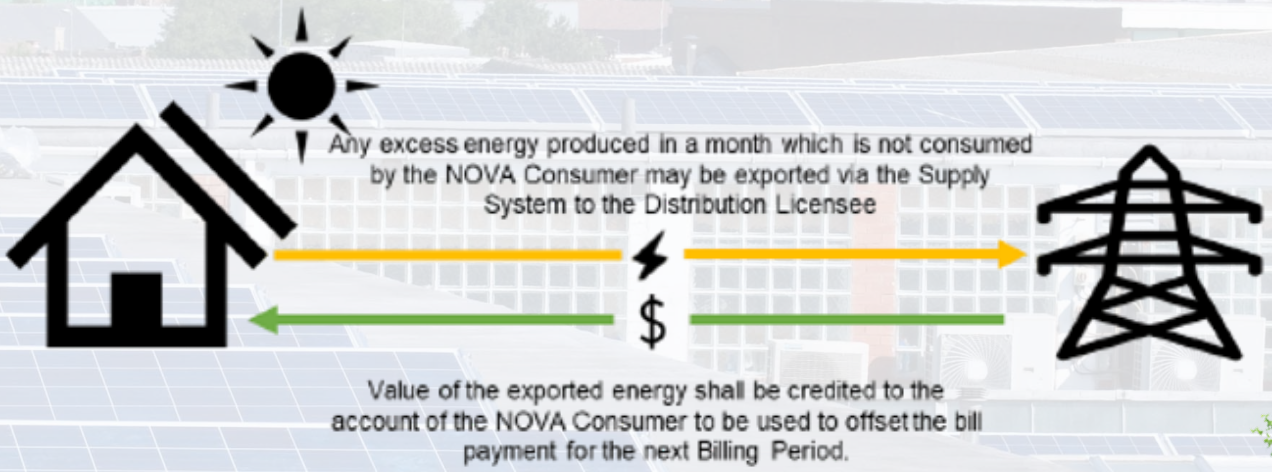


COMMERCIAL

NEM NOVA

The Net Offset Virtual Aggregation **(NOVA)** Programme is designed with the principle that energy generated from a solar PV installation at a **NOVA** consumer's premises is primarily meant for self-consumption. Any surplus energy that isn't utilized at the location of the PV installation—due to operational limitations or fluctuations in monthly or seasonal load demands—can be exported through the supply system under one of the following categories:

CATOGORY A



- Any excess Energy produced in a month which is not consumed by the **NOVA** Consumer may be exported via the Supply System to the Distribution Licensee.
- The value of the exported energy shall be credited to the account of the **NOVA** Consumer to be used to offset the bill payment for the next Billing Period.

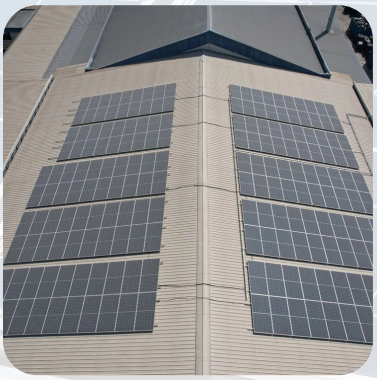
COMMERCIAL

COMPLETED PROJECT











GOVERNMENT

NEM GOMEN

The concept of **NEM GoMEn** is that the energy produced from the solar PV installation on Government premises will be consumed first, and any excess will be exported to the TNB grid. The credit to be received for such excess energy will be used to offset part of the electricity bill on a "one-on-one" offset basis for a period of ten (10) years of operation.

A 100MWac quota is allocated for registered or prospective TNB consumers in Peninsular Malaysia and eligible government agencies under the Commercial tariff category, with PV installation capacity limits not exceeding 1,000 kW—subject to 75% of Maximum Demand for Medium Voltage Consumers (based on past records or declared demand) or 60% of fuse/CT rating for Low Voltage Consumers, provided they have not participated in prior solar programs.



GOVERNMENT

NEM GOMEN

BENEFITS OF NEM GOMEN

NEM consumers focus on self-consumption of generated energy to minimize dependence on utility imports and protect against rising electricity tariffs, particularly in high tariff brackets. They can export excess energy to the grid on a one-to-one offset basis, with credits valid for up to 12 months, and may export additional energy when inactive on weekends or holidays.

LICENSING REQUIREMENTS

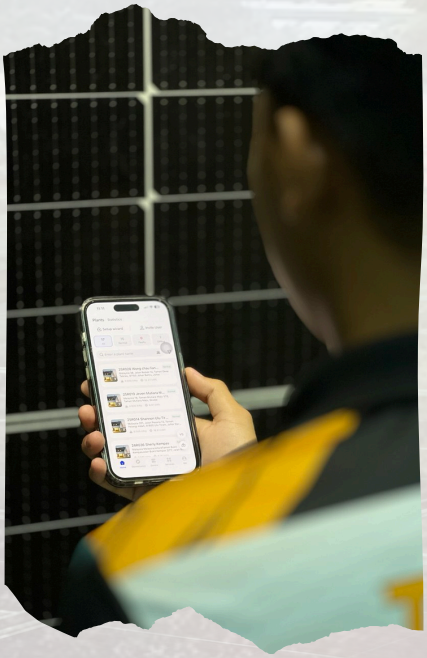
A license is required under Section 9 of the Electricity Supply Act for operating solar PV installations exceeding 72kWp for three-phase systems and 24kWp for single-phase systems. The NEM Consumer or PV system owner must apply for a license from the Energy Commission after their NEM application is approved.



OPERATION / MAINTENANCE

Solar panels are durable, often backed by 25 to 30-year warranties from reputable installers. Proper maintenance is vital, as regular cleaning prevents dust accumulation that can hinder sunlight and reduce electricity production. (1) Cleaning Procedures: Allow rain to naturally clean solar panels of dirt and bird droppings. After severe







- **Cleaning Procedures:** *Rely on rain for cleaning solar panels; inspect after severe weather.*
- **Avoiding Harmful Tools:** *Use soft brushes, squeegees, leaf blowers, or a gentle garden hose to avoid scratches.*
- **Monitoring Efficiency:** *Track solar panel efficiency via mobile apps; investigate drops in productivity for possible obstructions. DIY cleaning is suitable for ground-mounted or accessible flat roofs, while professionals are recommended for sloped roofs.*
- **Cost of Maintenance:** *Costs for professional cleaning vary based on location and system complexity.*
- **Leveraging Warranties:** *Ensure strong warranties (25-30 years) to protect your solar investment.*

INSURANCE

SOLARPRO

SolarPro All Risk Insurance is Malaysia's pioneer insurance for the emerging solar PV market in Malaysia and was created in response to residential and commercial Solar PV system owners' growing need for specialized and comprehensive protection. Underwritten by Allianz General Insurance Company (M) Bhd, this policy is the brainchild of Anora Agency and was developed in collaboration with the MPA, in consultation with SEDA Malaysia.

BENEFITS

From only RM150 a year and income / savings protection up to RM12,000, SolarPro lets residential Solar PV owners to chose a plan based on their needs and finances.

Anora's Ready Panel of MPIA Authorised & SEDA Approved Service Providers

FIT Income Protection NEM Savings Protection

Fire Protection from Power Surge

Comprehensive All-Risk Protection

Coverage for Rats Damaging Cables

Developed in Collaboration with

MPiA ALAYSIAN PHOTOVOLTAIC INDUSTRY ASSOCIATIC

Underwritten by

Allianz

Developed in Consultation with

seda Sustainable Energy Development Authority MALAYSIA

2024 ANNUAL DINNER

SAMA RSTAURANT JB

















2024 ANNUAL REVIEW

AMIYA ENERGY SDN BHD OFFICE











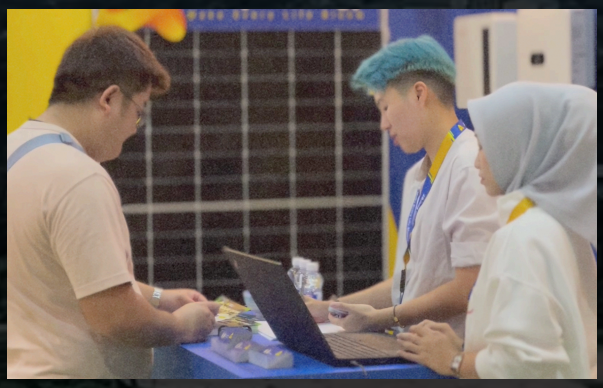




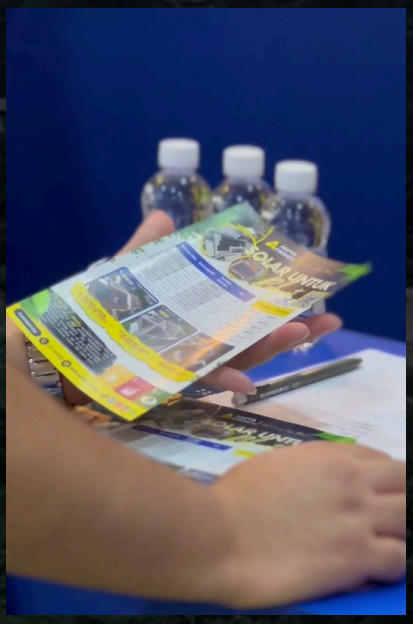


2024 INHOME EXPO

THE COMMUNE, KULAI

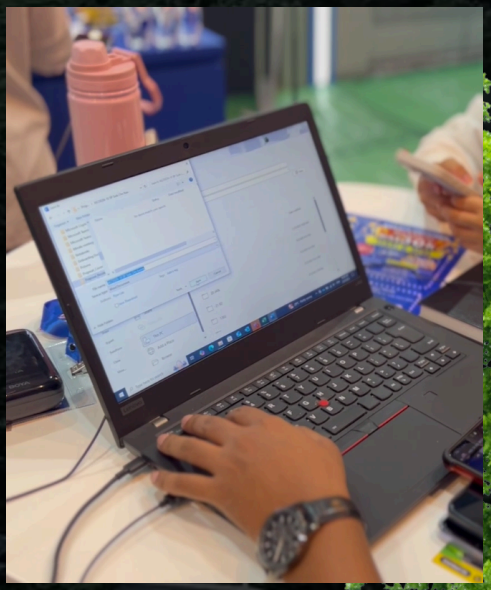
















2025 HOMEDEC EXPO

KLCC CONVENTION CENTRE





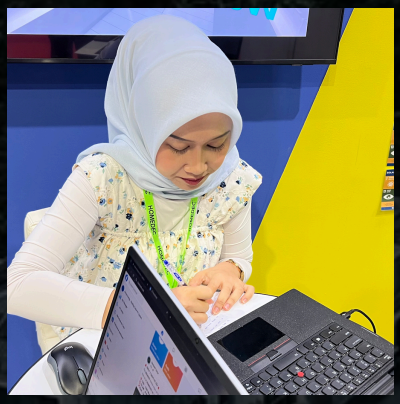












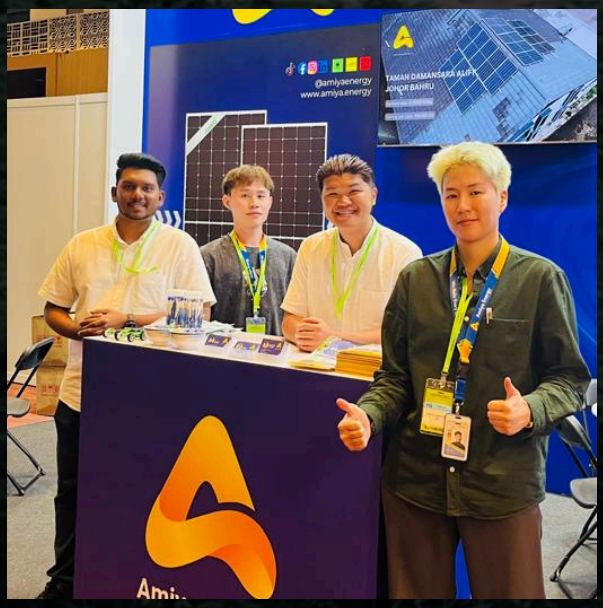
2025 HOMEDEC EXPO

SPICE SETIA, PENANG





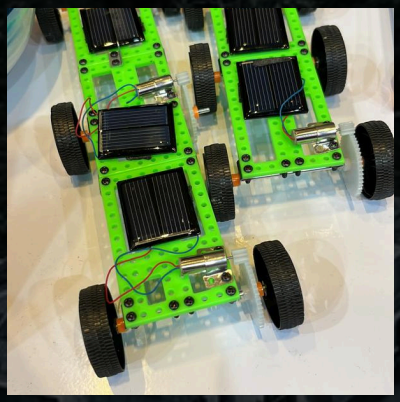












MAJLIS BUKA PUASA

NENEK IN FOREST











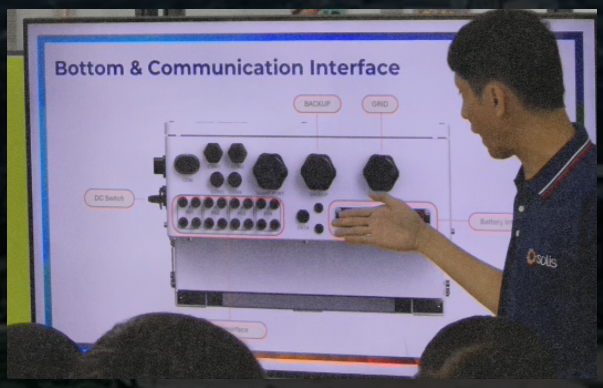






SOLIS SHARING

AMIYA ENERGY SDN BHD

















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Locate Us

01-06, Level 1, Tropika Welcome Centre - Setia Sales Gallery, 10, Jalan Setia Tropika 1/21, Taman Setia Tropika, 81200 Johor Bahru, Johor Darul Ta'zim

Contact Us

019-776 6927

www.amiya.energy

amiya@amiya.energy

Certificate

seda Sustainable Energy Development Authority MALAYSIA

MPiA MALAYSIAN PHOTOVOLTAIC INDUSTRY ASSOCIATION

TENAGA NASIONAL Better. Brighter.



THANK YOU

CLOSING THIS QUARTER OF 2025 WITH CLEAN ENERGY. THANK YOU FOR BEING PART OF THE SOLAR MOVEMENT

As we wrap up this issue, we want to thank you, our valued reader, for taking the time to explore the future of clean energy with us. Every panel installed, every question asked, and every step toward sustainability brings us closer to a brighter, greener Malaysia. We hope this magazine has sparked new ideas, answered your questions, and inspired you to take the next step — whether it's going solar, upgrading your system, or simply sharing the knowledge.

On behalf of Amiya Energy Sdn Bhd
Thank you for letting us be part of your energy journey.
Until next time — stay bright, stay empowered.

Warm regards,

Ariff Aiman

Marketing Executive | Editor