



Renewable Energy
Service Company

COMPANY PROFILE

BTI ———
RENEWABLE
ENERGY

2023/2024

“ ABOUT BTI ENERGY

BTI Energy also known as PT Bintang Terbarukan Indonesia was initially founded in March 2020 and officially registered as a legal entity in March 2021 under the name PT Bintang Terbarukan Indonesia. The company is an Engineering, Procurement, and Construction (EPC) service provider focusing on renewable energy, particularly solar energy. BTI Energy is strongly committed to contributing to addressing the climate crisis caused by CO2 emissions by promoting the use of solar energy. Additionally, BTI Energy aims to assist institutions and individuals in reducing their electricity bills through renewable energy solutions.

“ VISION AND MISSION OF BTI ENERGY



VISION

Our vision is to become a reliable, trustworthy, and high quality company in the field of renewable energy.

MISSION



- Focused on efforts to promote energy conservation and sustainability to fight against climate change and preserve a better place on Earth through innovative solutions and community engagement.
- Committed to assisting consumers in reducing monthly electricity bills and carbon emissions through the utilization of renewable energy.
- Committed to provide the best quality service for renewable energy installation, green energy consultation, and other energy services.
- Prioritize the use of high quality materials for reliable renewable energy installation.
- Committed to put our best effort in project execution and also after sales services to achieve our customer satisfaction.
- Embrace a culture of continuous improvement, where feedback from customers, team members, and other stakeholders fuels adaptations and enhancements to ensure ongoing alignment with stakeholders goals and satisfaction.

“

WHY ROOFTOP SOLAR POWER SYSTEM?

01

SAVE ELECTRICITY BILLS

"By utilizing a rooftop solar power, you can save up to 70% on electricity bills for up to 25 years"

02

PROTECT WORLD

"Clean energy helps us to reduce carbon emissions and make the world a better place"



**If Solar, Wind and Hydropower combined properly, it can produce more than a quarter of the electricity on the earth. Unlike the fossil energy, this energy is theoretically unlimited.*

“ SOLAR ENERGY SOLUTIONS

We offer a range of solar energy solutions, such as solar-powered street lighting (PJU), electric vehicle, installations for offices and residences with on-grid or off-grid systems.

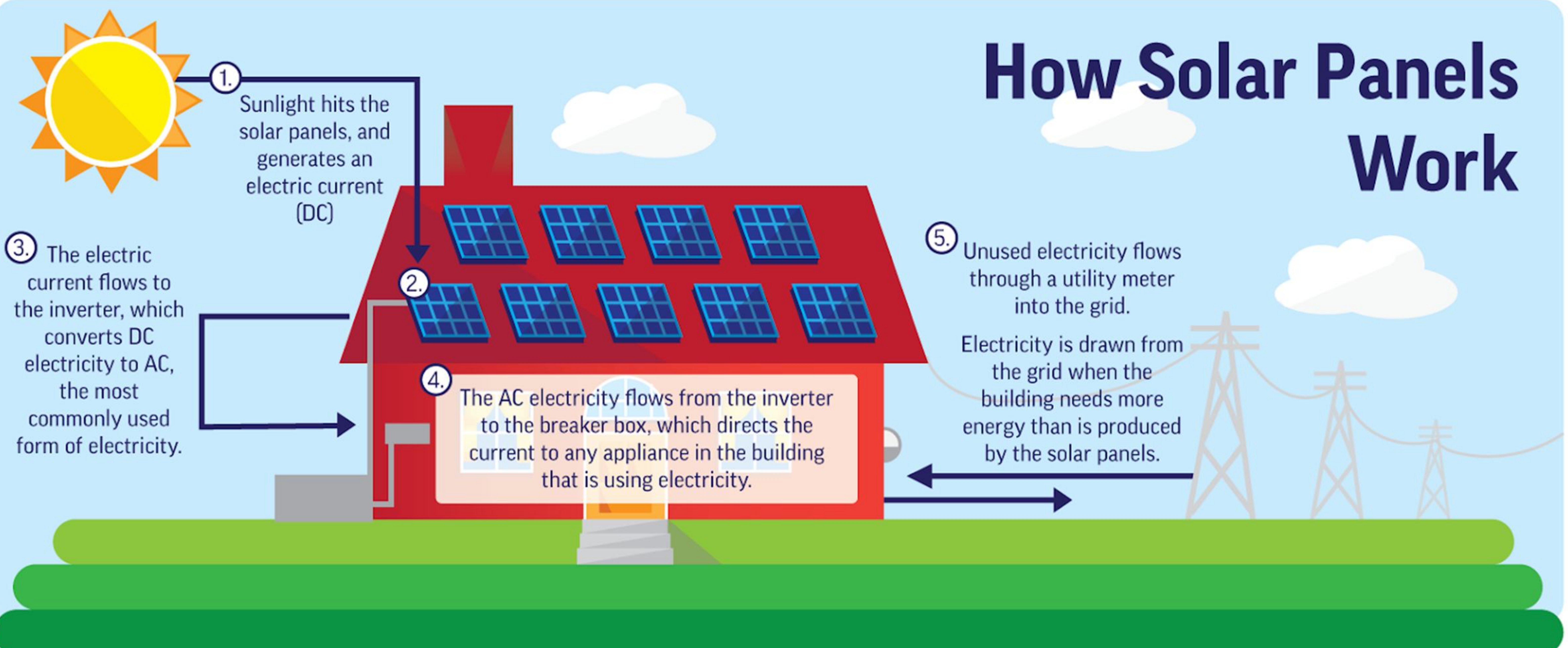
Our experts will assist you to design solar power options based to your needs and help you choose the best one.

Solar power can help your business operations. As business costs increase, business owners are usually looking for the best way to increase efficiency and reduce operational costs. Investing in solar power will help your business in long term by diverting the energy needed to harness electricity production from solar power.



BENEFITS BEYOND THE PROFITS

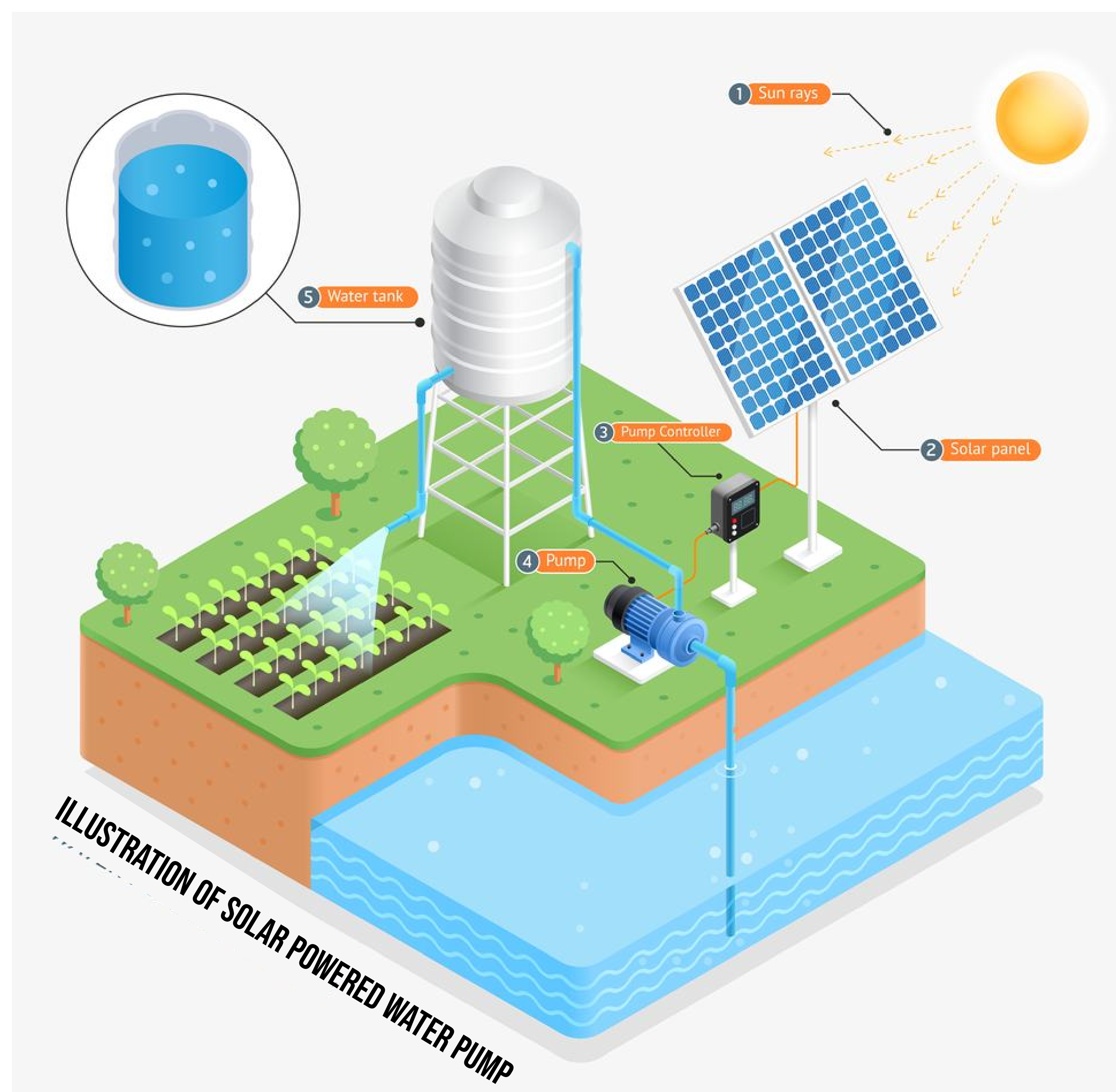
- 01.** Build an friendly environmental for your corporate identity.
- 02.** Build innovative and futuristic for your corporate image.
- 03.** Build positive and viral word of mouth.



“ PUMP & FRIENDS



Pump & Friends is a pumping system that has implemented technology, such as sophisticated VSD panels, integrated IoT and Mobile Application systems. Where this is expected to meet the needs of the pumping system for the government and the private sector. We also work on clean and dirty water plumbing installations. With experienced human resources in their fields, we always strive to create constructions that support Sustainable Climate Resilience with Smart Workmanship and Budget Efficiency.



PUMP & FRIENDS SERVICES

01 SMART (IOT - SCADA)

A system that can perform monitoring, controlling and data acquisition remotely or directly.

02 SMART PANEL VSD

Smart panels that can improve and regulate pump performance to save energy and increase pump life.

03 APPLICATION

You can view pump conditions, pump service history and asset data through an application that is available on the App Store & Play Store.

“ PORTFOLIO

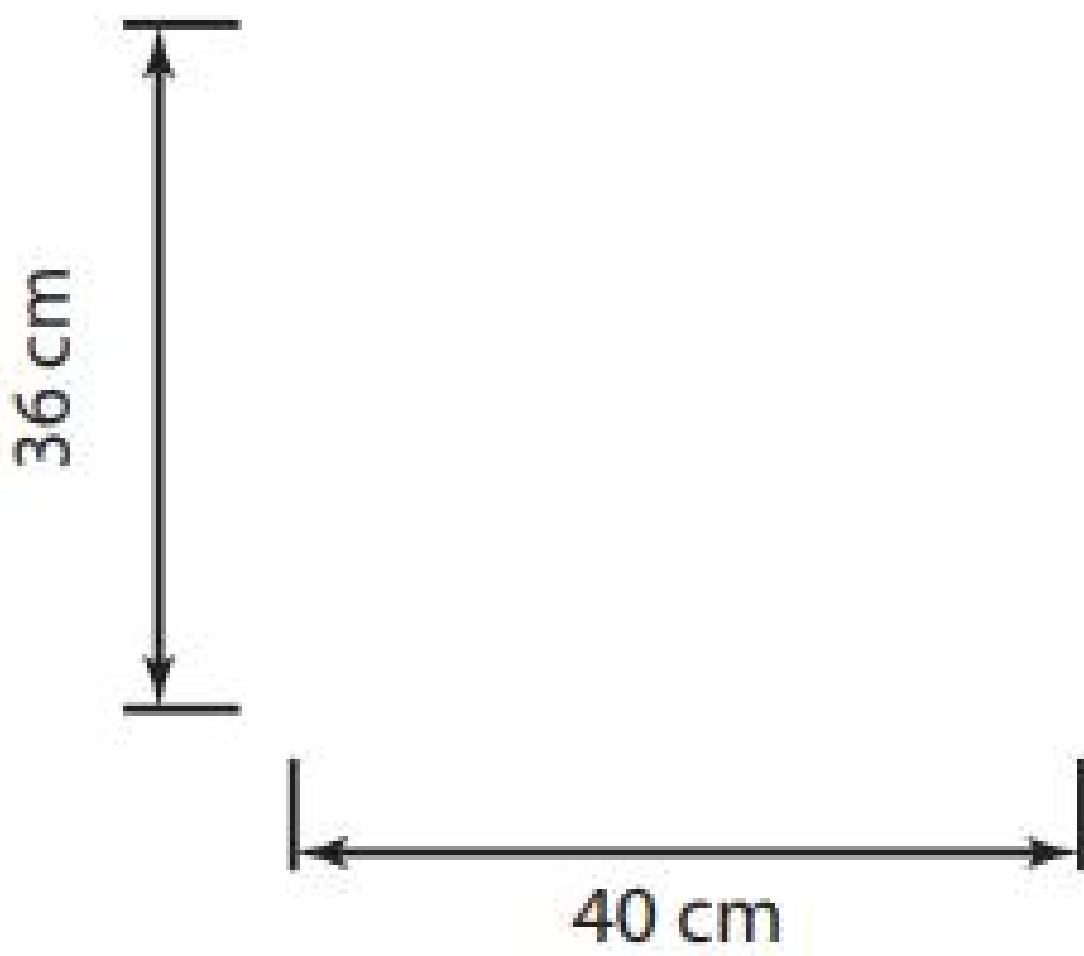


“ SOLAR KIT

ENERGY SYSTEM

Energy System, designed to replace Electrical Needs wherever there is no Electrical Supply, such as camping area, or even Remote Housing/Village area. It could be used for lighting, small electrical fan, Hand Phone, Laptop, and others. Compact and lightweight, it's perfect for outdoor enthusiasts and home use. Features include multiple ports for simultaneous charging, LED indicators for battery status, and durable construction for long-lasting performance. Embrace convenience and reliability with our innovative Energy system—your essential companion for staying connected and powered up wherever you are.

 550 Wh	Specification		150 Wh	Specification	
	Weight:	9 KG		Weight:	2.2KG
	Nominal voltage	12.8V		Nominal voltage:	12.8V
	Nominal Energy	550 Wh		Nominal Energy:	150 Wh
	Cell type	LiFePO4 /Lishen		Cell type:	LiFePO4
	AC Power output:	3x400w (1200W Total power)		AC Power output:	100W
	Output voltage:	220VAC-240VAC		Output voltage:	220VAC-240VAC
1000 Wh	Specification				
	Weight:	10 KG			
	Nominal voltage	12.8V			
	Nominal Energy	1000 Wh			
	Cell type	LiFePO4 /Lishen			
	AC Power output:	3x400w (1200W Total power)			
	Output voltage:	220VAC-240VAC			



FOLDABLE SOLAR

Foldable Solar : Harness solar energy on the go with compact, foldable design for easy transport and storage. Ideal for camping, hiking, and emergencies, providing renewable power for electronic devices. Features high efficiency and durability, ensuring reliable performance in various environments. Enhance your outdoor experience with our Foldable Solar Panel, offering sustainable energy solutions wherever you need energy

Specification	
Rating	40 Wp - 100 Wp - 200 Wp



44

PORTFOLIO



HSBC, DENPASAR (2022)
10.800 WP



WIJAYA KUSUMA, DENPASAR (2021)
2.460 WP



PEJENG, GIANYAR (2021)
5.400 WP



BATUR, BANGLI (2021)
3.000 WP



SPBU HAYAM WURUK, DENPASAR (2021)
11.880 WP



LOVINA, BULELENG (2022)
17.280 WP

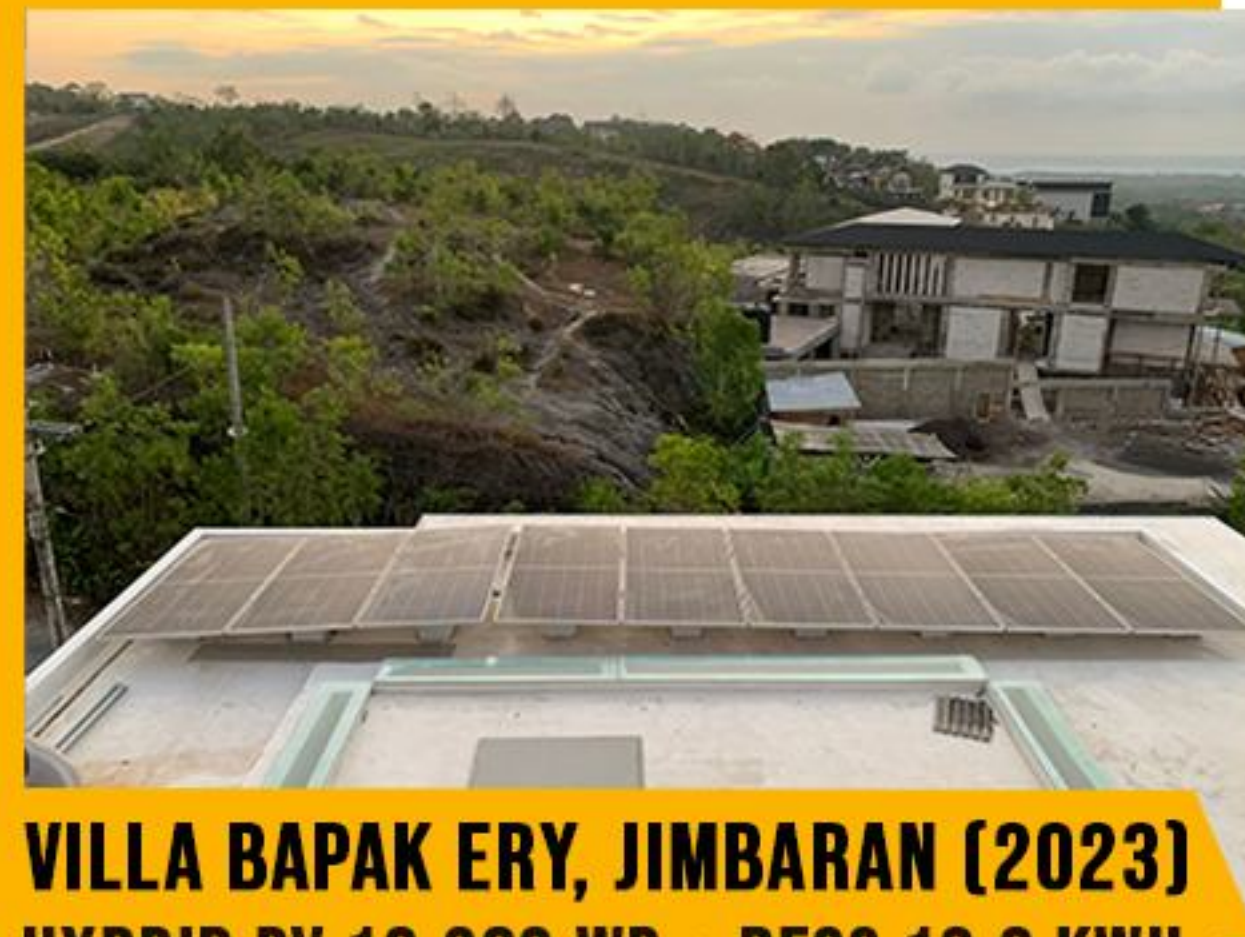


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PORTFOLIO



BPBD - PUSDALOPS (2022)
25.000 WP



VILLA BAPAK ERY, JIMBARAN (2023)
HYBRID PV 10.260 WP + BESS 12,8 KWH



RSUD KARANGASEM (2022)
50.000 WP



BPSDM, HAYAM WURUK (2022)
25.000 WP



ULP PLN KLUNGKUNG (2021)
15.000 WP



PLN AREA BALI SELATAN (2021)
31.500 WP



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PORTFOLIO



VILLA HARLEY, CANGGU(2023)
2.180 WP



LOCAVORE, UBUD (2023)
94.600 WP



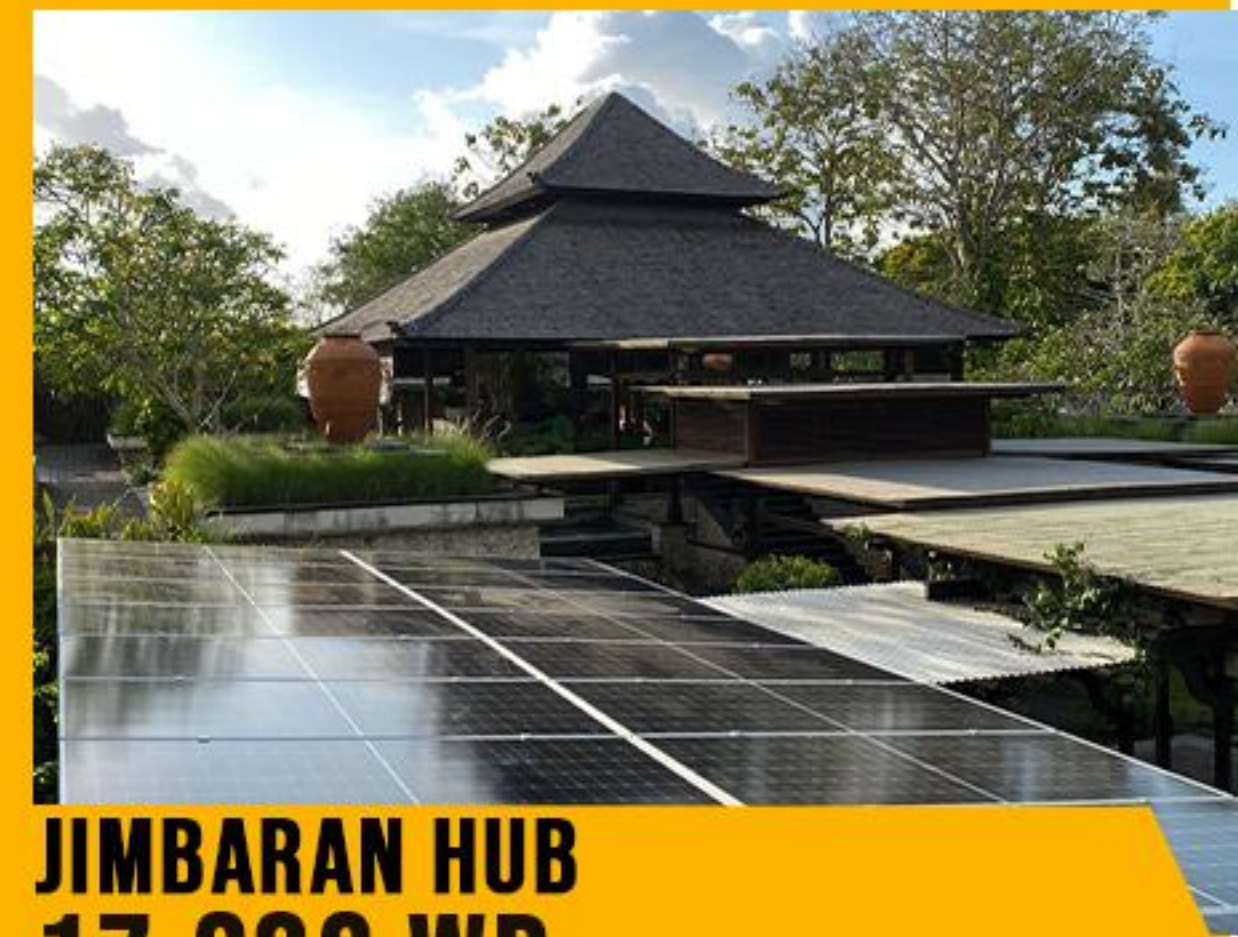
PAON CAKE, TABANAN (2024)
3.000 WP



PASAR KLUNGKUNG (2023)
25.380 WP



RUMAH BUMN
3.000 WP



JIMBARAN HUB
17.280 WP

44

PARTNERSHIP



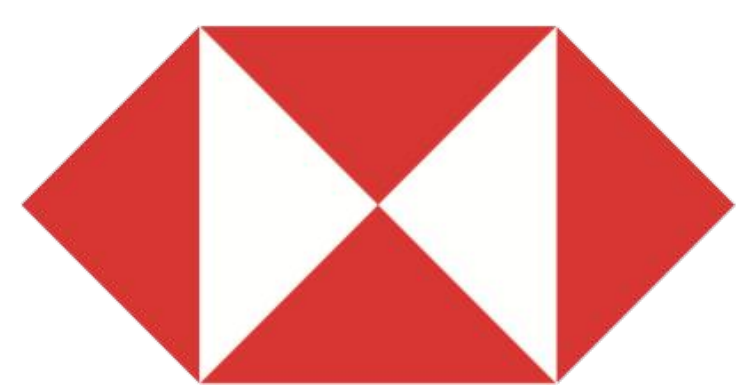
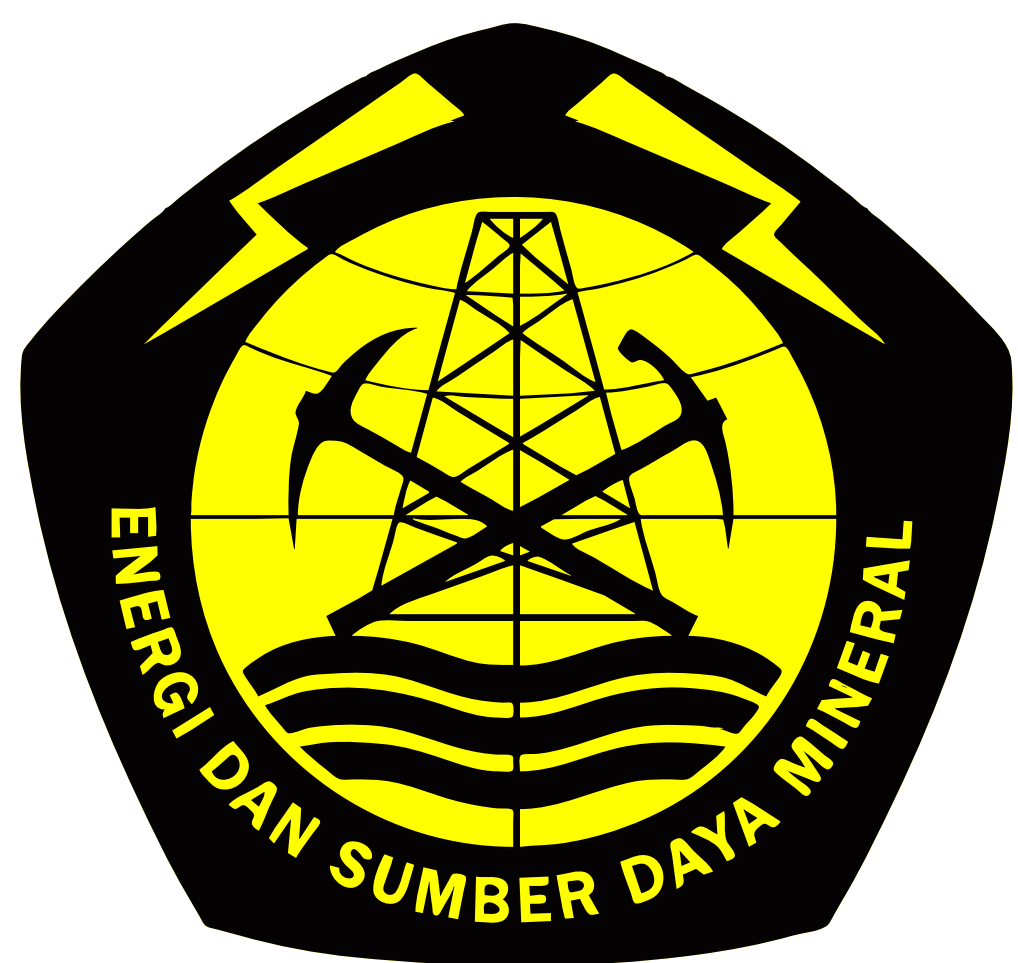
PLN



PT PEMBANGKITAN JAWA-BALI
Produsen Listrik Terpercaya Kini dan Mendatang



PERTAMINA



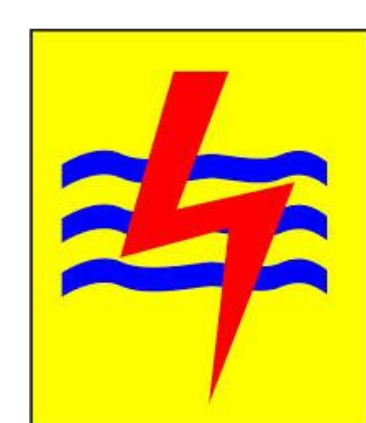
HSBC



Agra Surya Energy
RENEWABLE ENERGY COMPANY



SYNTEK
Energy & Control



INDONESIA
POWER



UNTUK
INDONESIA



Cahaya Power Indonesia

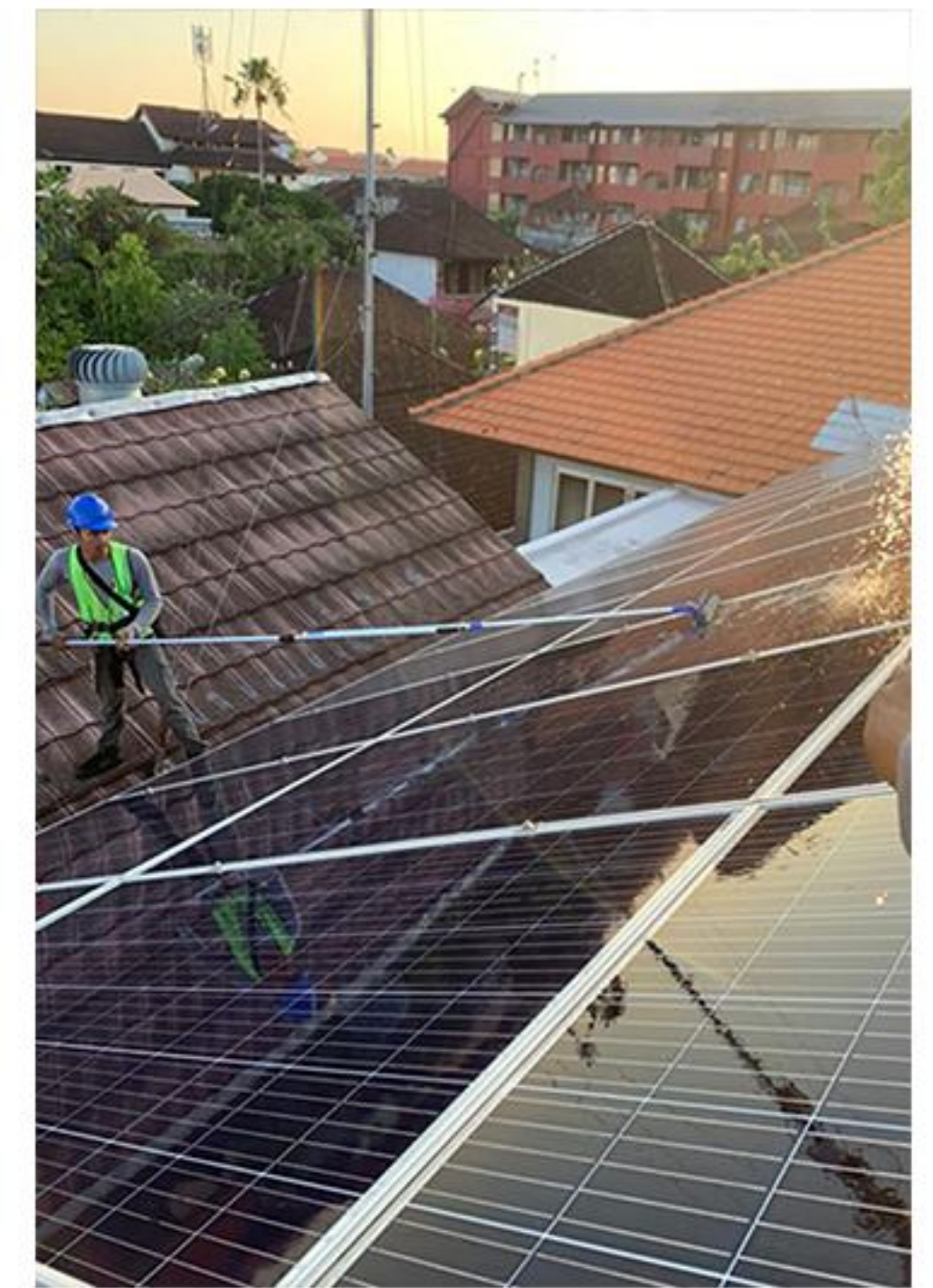


PT SURYA ENERGI INDOTAMA
A Len Industri Company

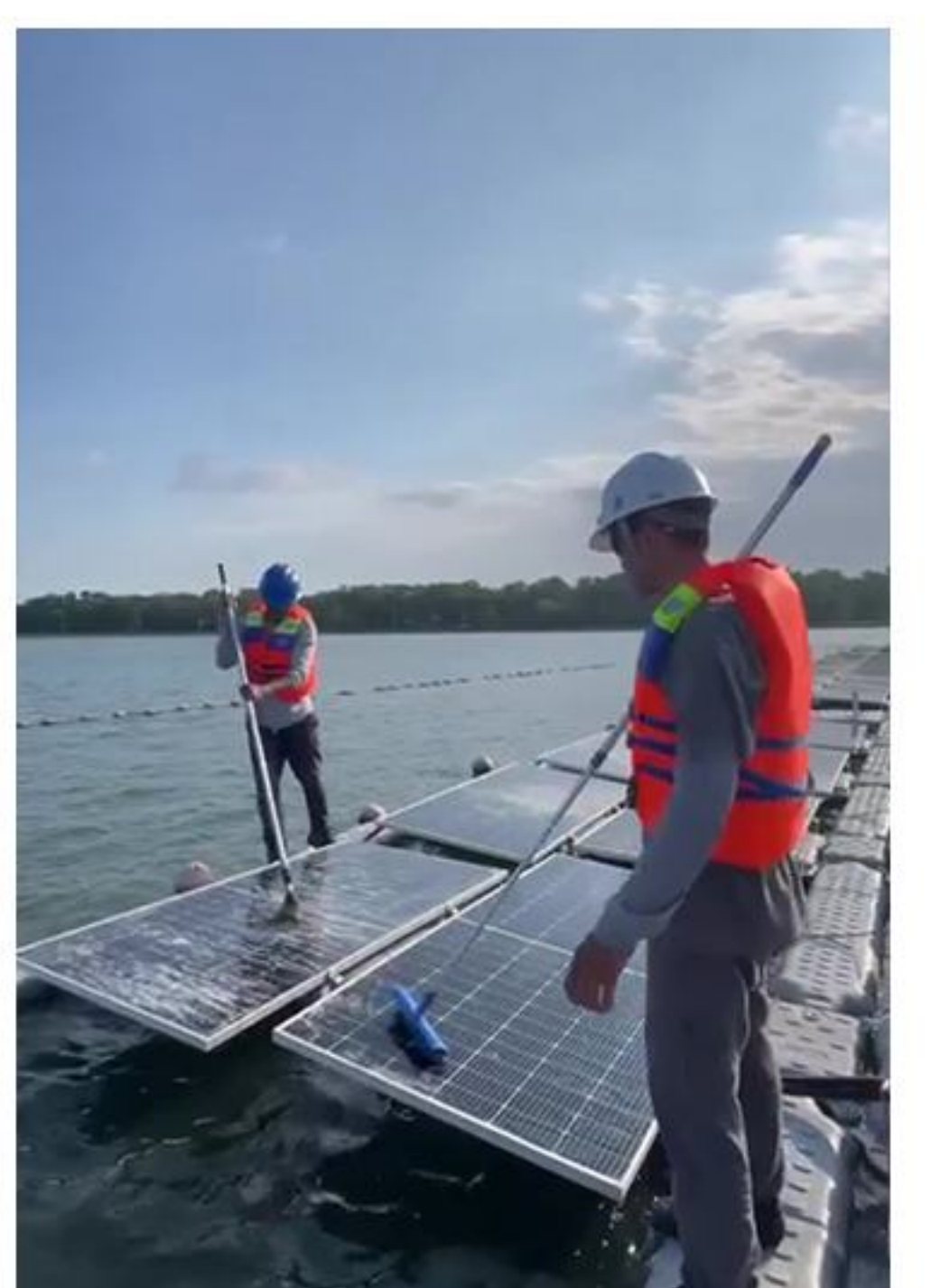
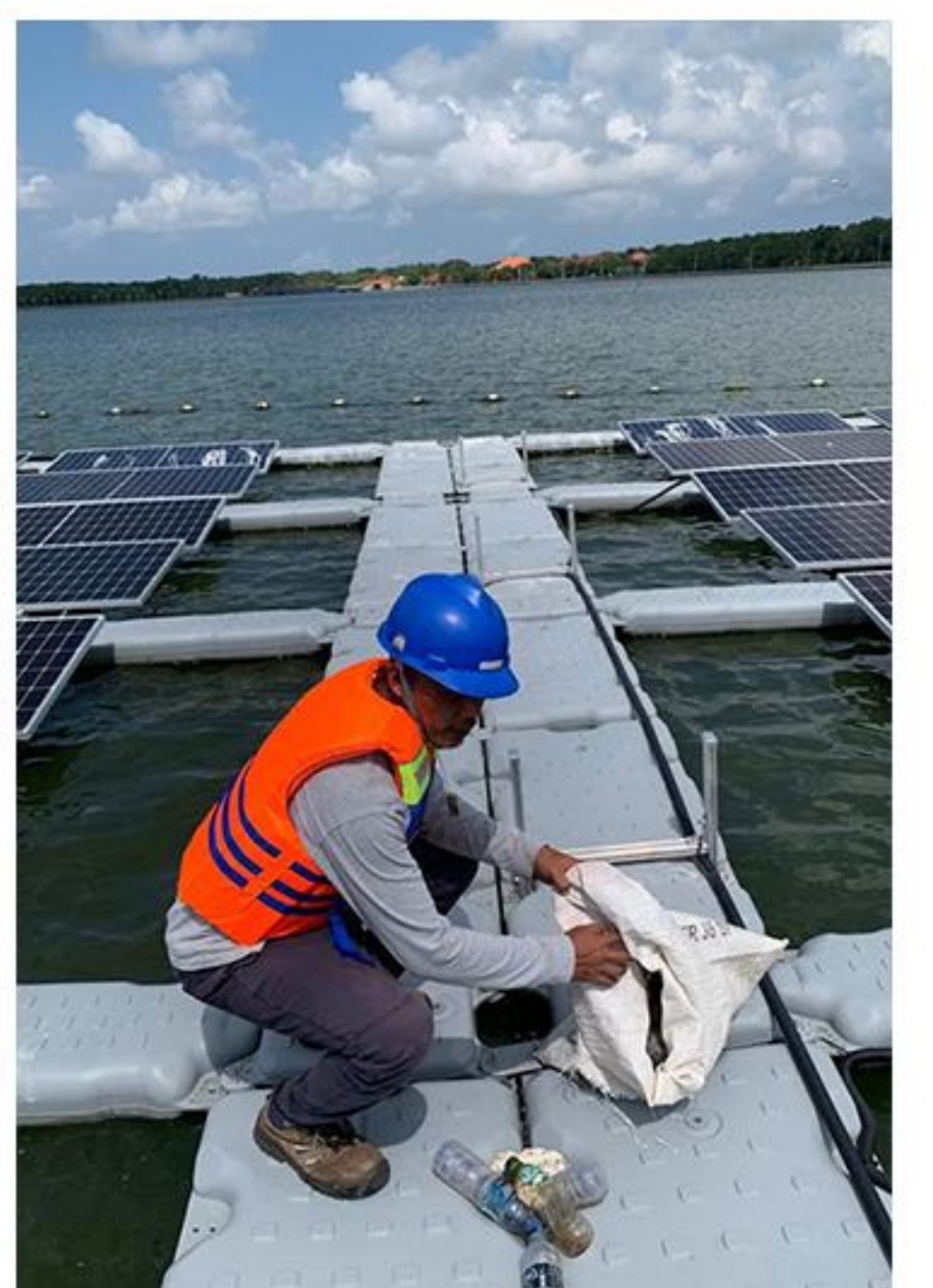


“ OPERATION & MAINTENANCE

O&M WATERBOOM BALI 156 KWP

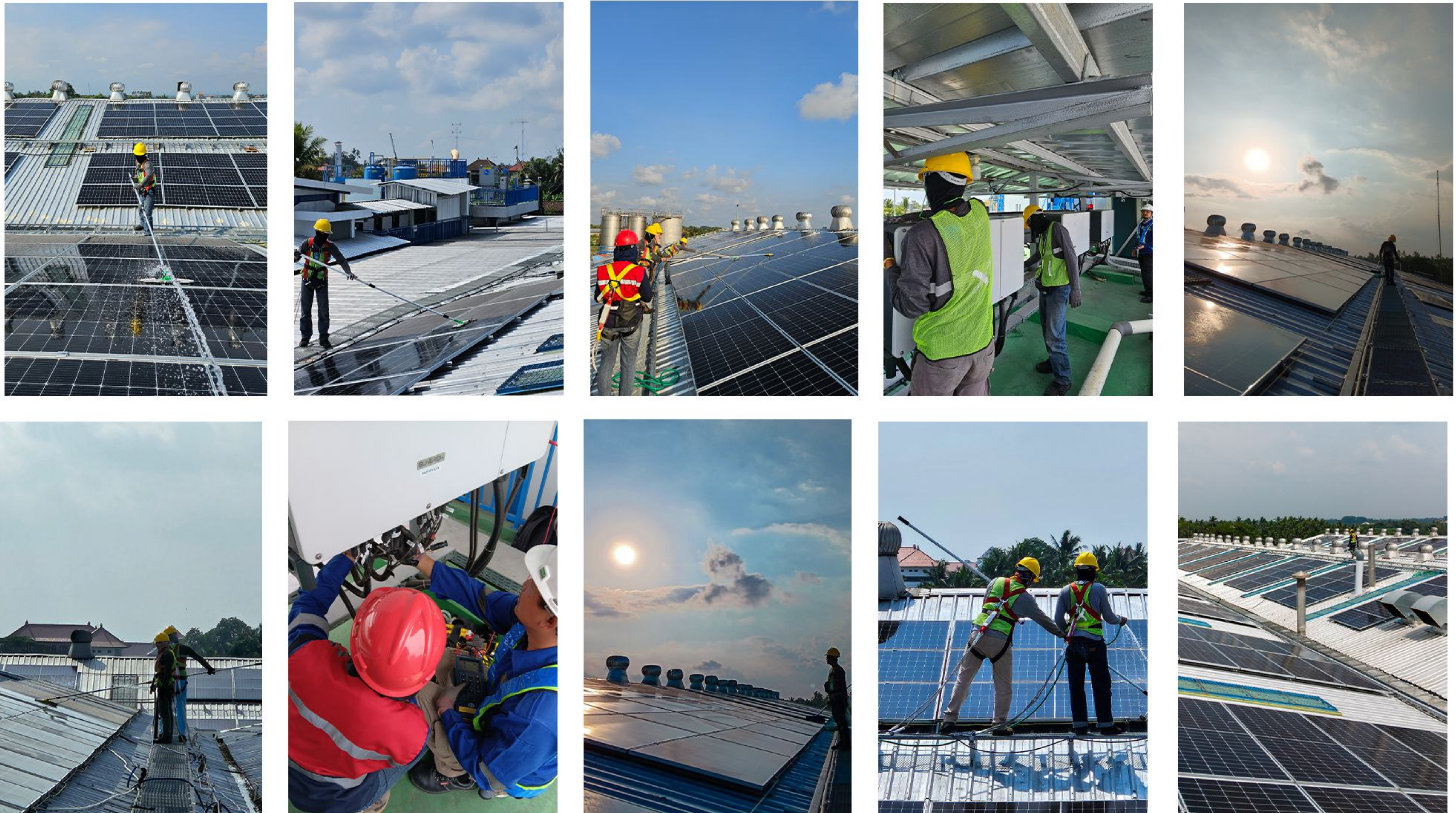


O&M PLTS TERAPUNG MUARA TUKAD, BALI 100 KWP

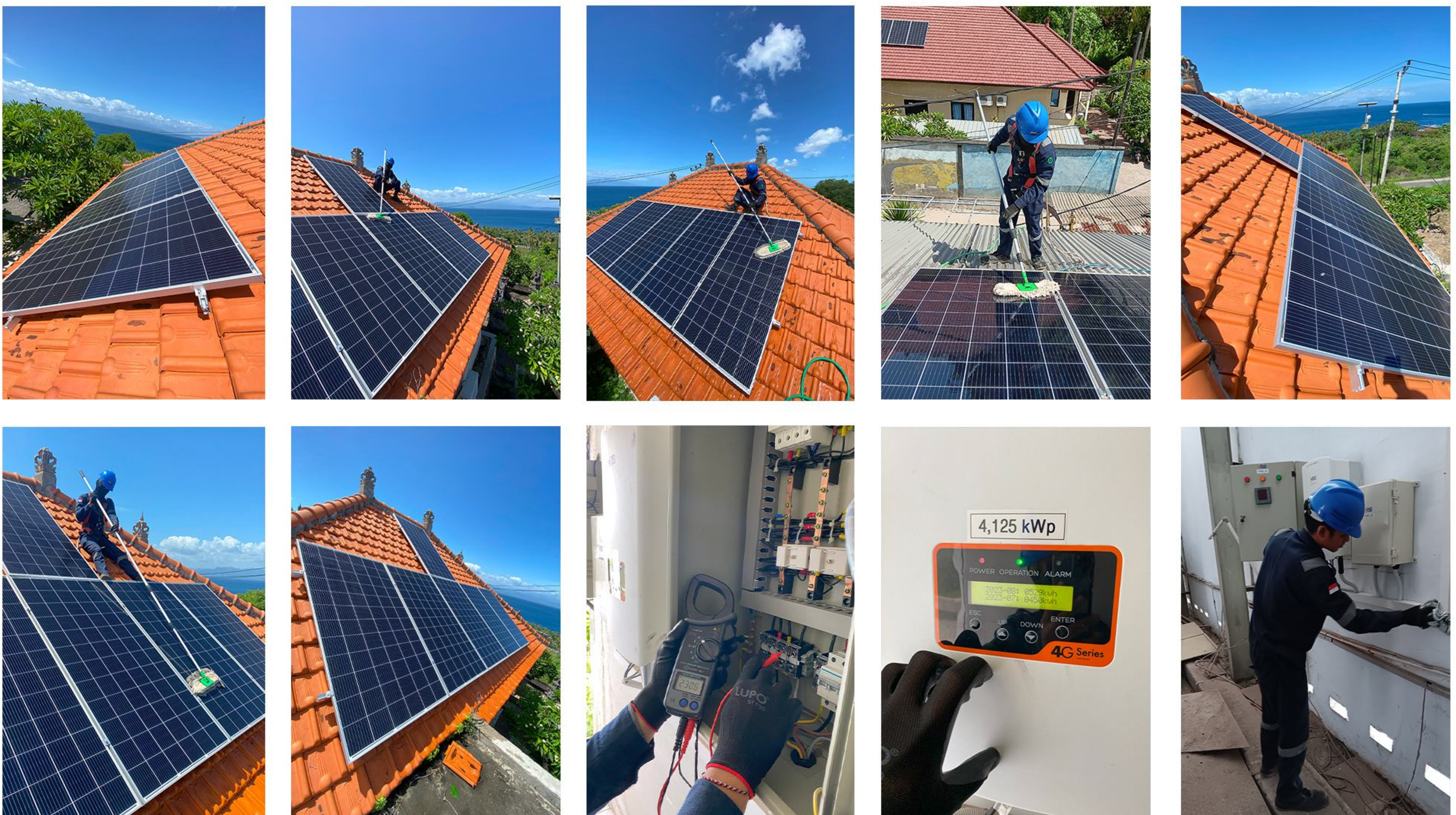


“ OPERATION & MAINTENANCE

O&M MAMBAL, BADUNG 700KWP



O&M NUSA PENIDA 7,9KWP



“ OPERATION & MAINTENANCE

O&M SAMPOERNA, SURABAYA 7MW

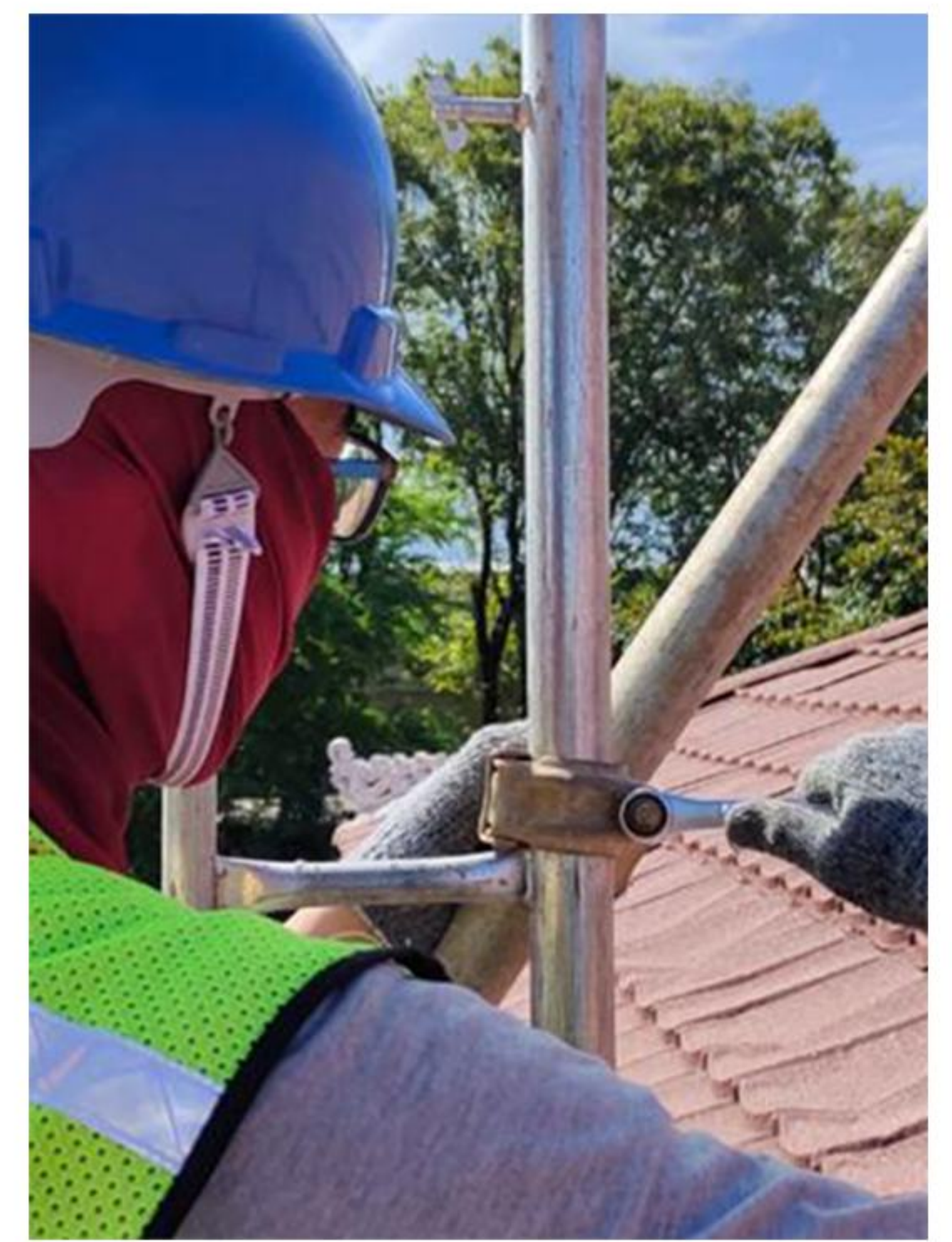


O&M HSBC, DENPASAR 10KWP





“ INSTALLATION



CERTIFICATION

Internasional Standardization Organization



Izin Usaha Jasa Penyedia Tenaga Listrik



Sertifikasi Kompetensi Pelaksana Senior Pembangunan dan Pemasangan Peralatan PLTS



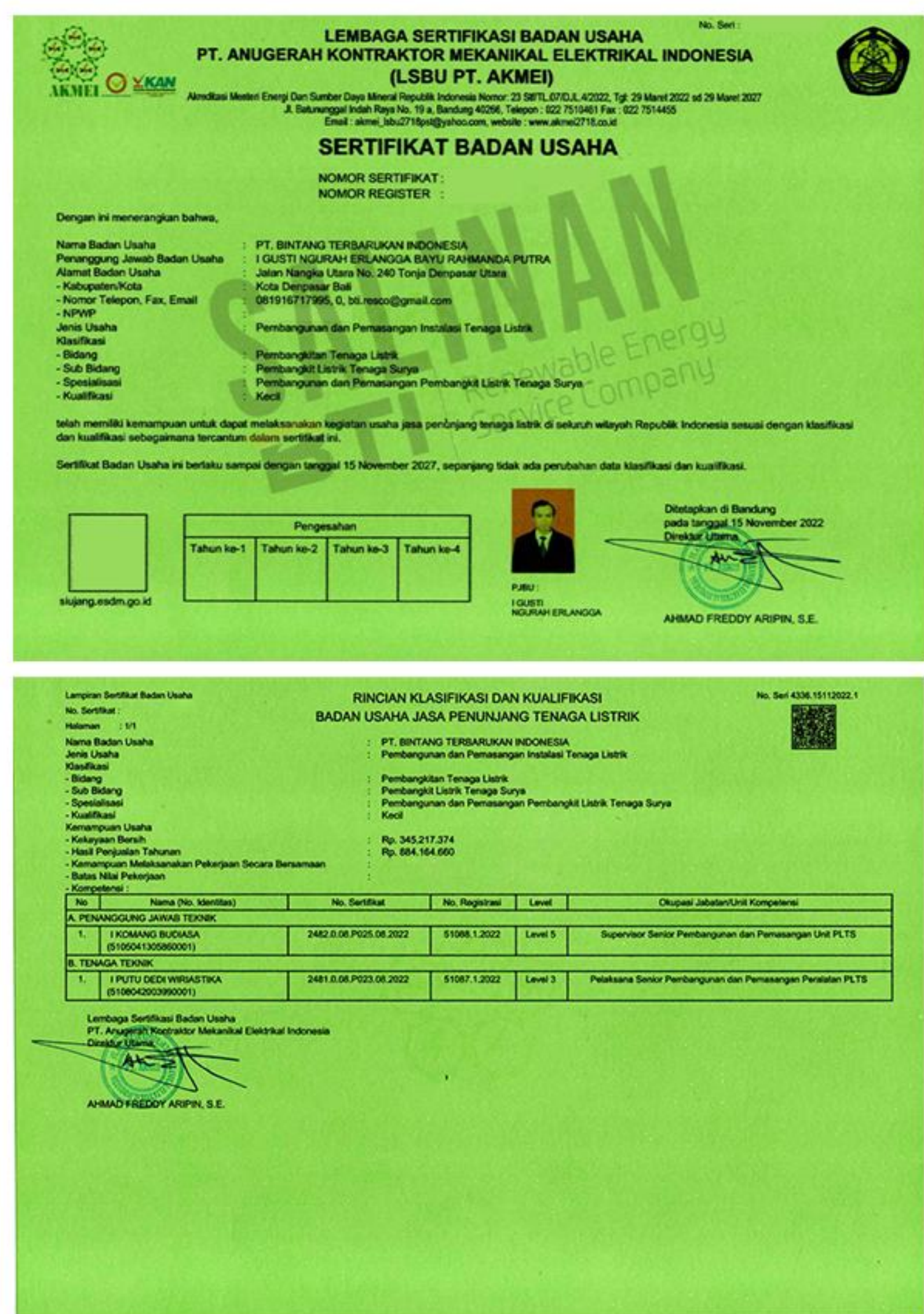
Sertifikasi Kompetensi Pelaksana Senior Pembangunan dan Pemasangan Peralatan PLTS



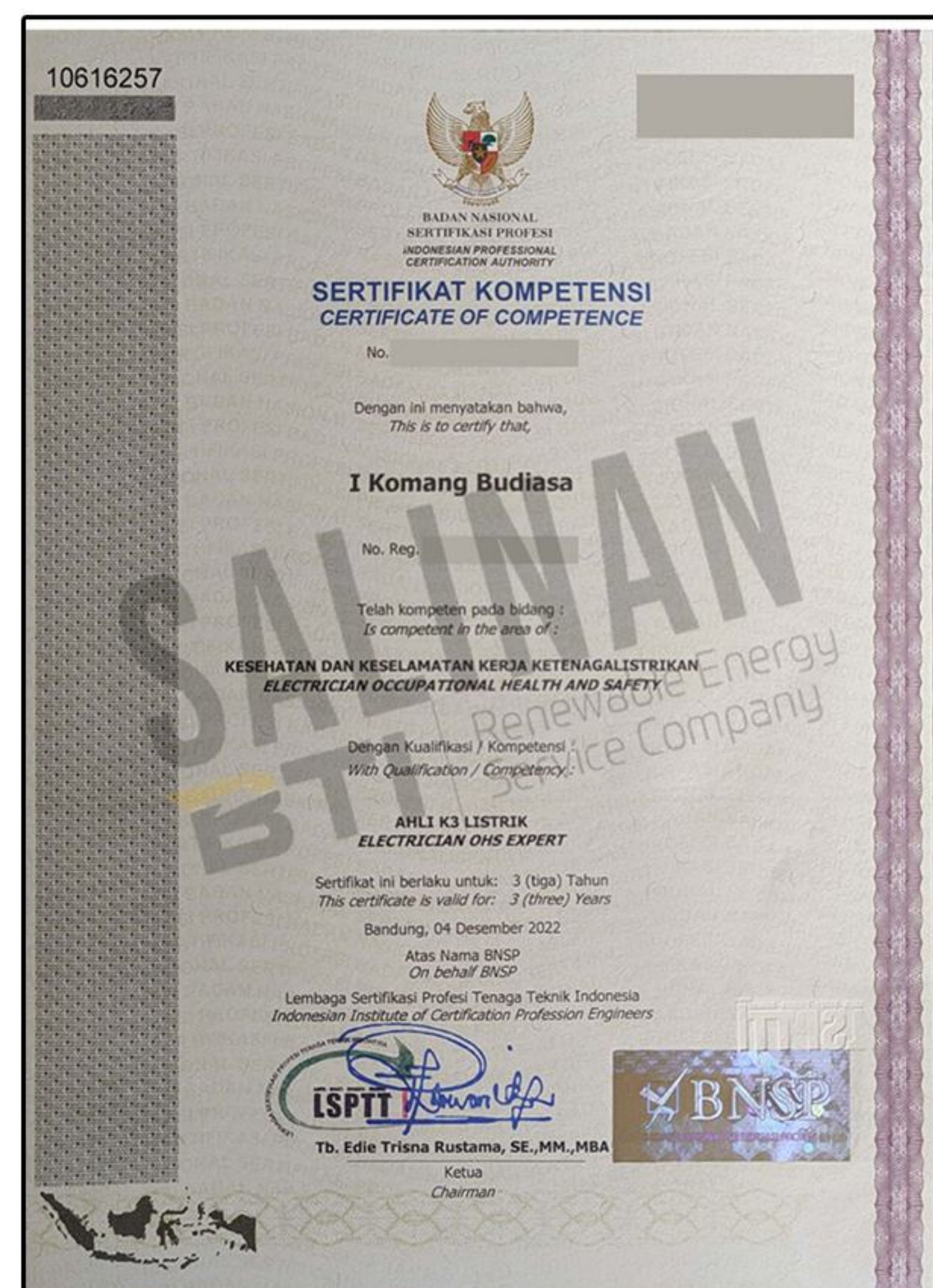
Sertifikasi Tenaga Kerja Bangunan Tinggi Tingkat 2 (TKBT) Kemaker RI



Sertifikasi Badan Usaha



Ahli K3 Listrik



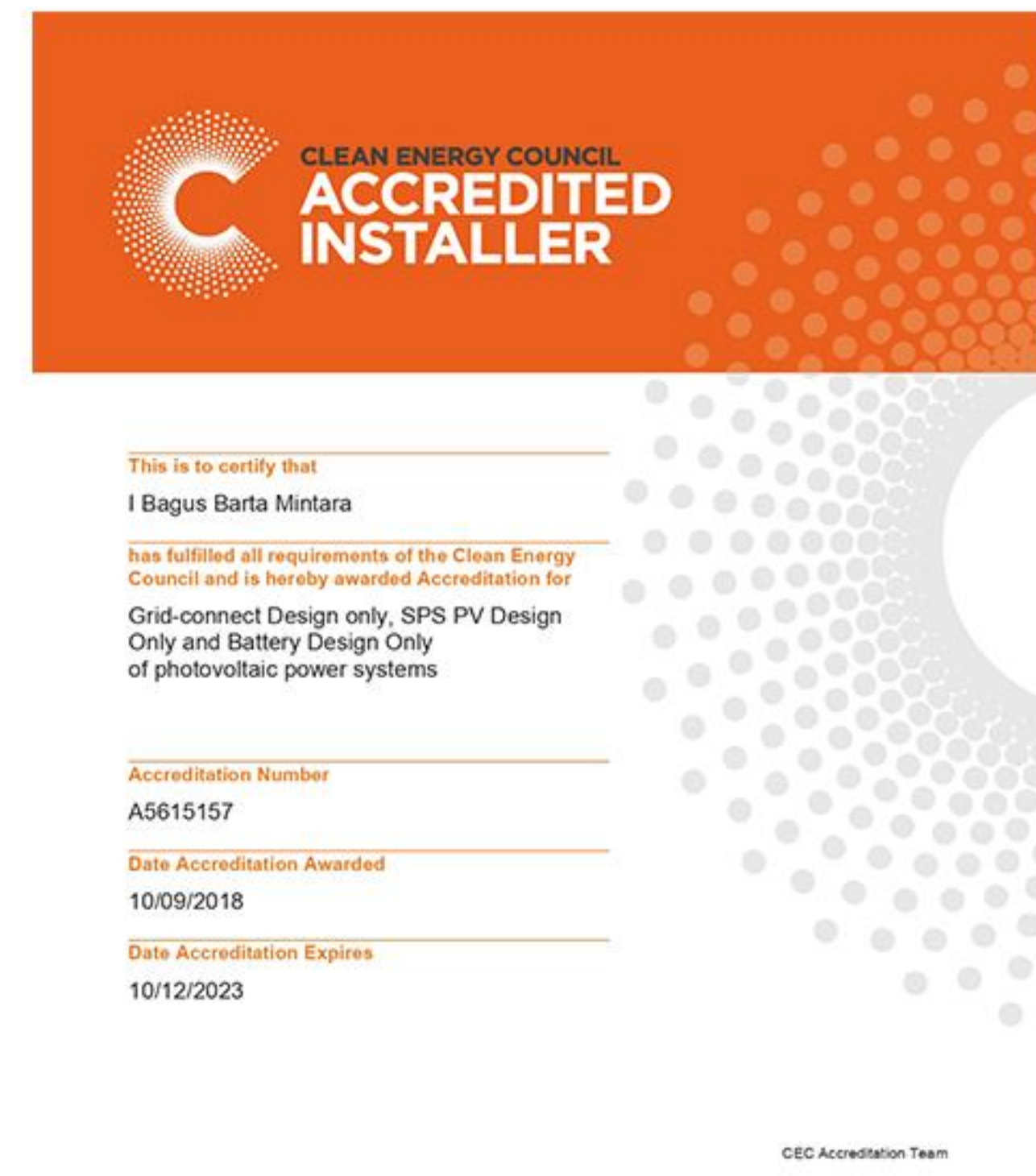
Sertifikasi Tenaga Kerja Bangunan Tinggi Tingkat 2 (TKBT)



Sertifikasi Kompetensi PPSDM KEBTKE



Sertifikasi Accredited Installer



“ FINANCIAL PLAN OPTION

Installment Scheme for residential installation with a maximum value of Rp 100 Million

1%
INTEREST
up to 5 years



Leasing scheme without upfront investment costs, only need to pay every month at a rate 5-20% cheaper than the PLN electricity rate.

5-20%
DISCOUNT



Garansi performa
hingga 30 tahun



Skema pembiayaan
bervariasi dan ringan



After Sales
services terjamin



Bisa dengan DP 0%



Teknisi berpengalaman



Top Quality Brand

LONGi Solar

Trinasolar

JA SOLAR

HUAYU
new energy

solis

SUNGROW
Clean power for all

Hanwha
Q.CELLS

SMA

hoymiles

SANKELUX
Solar Panel & Lighting

Growatt
powering tomorrow

HUAWEI

OTHER PRODUCTS



HomeBiogas is an innovative waste treatment system that converts organic waste into renewable energy, providing an eco-friendly solution to household energy needs.

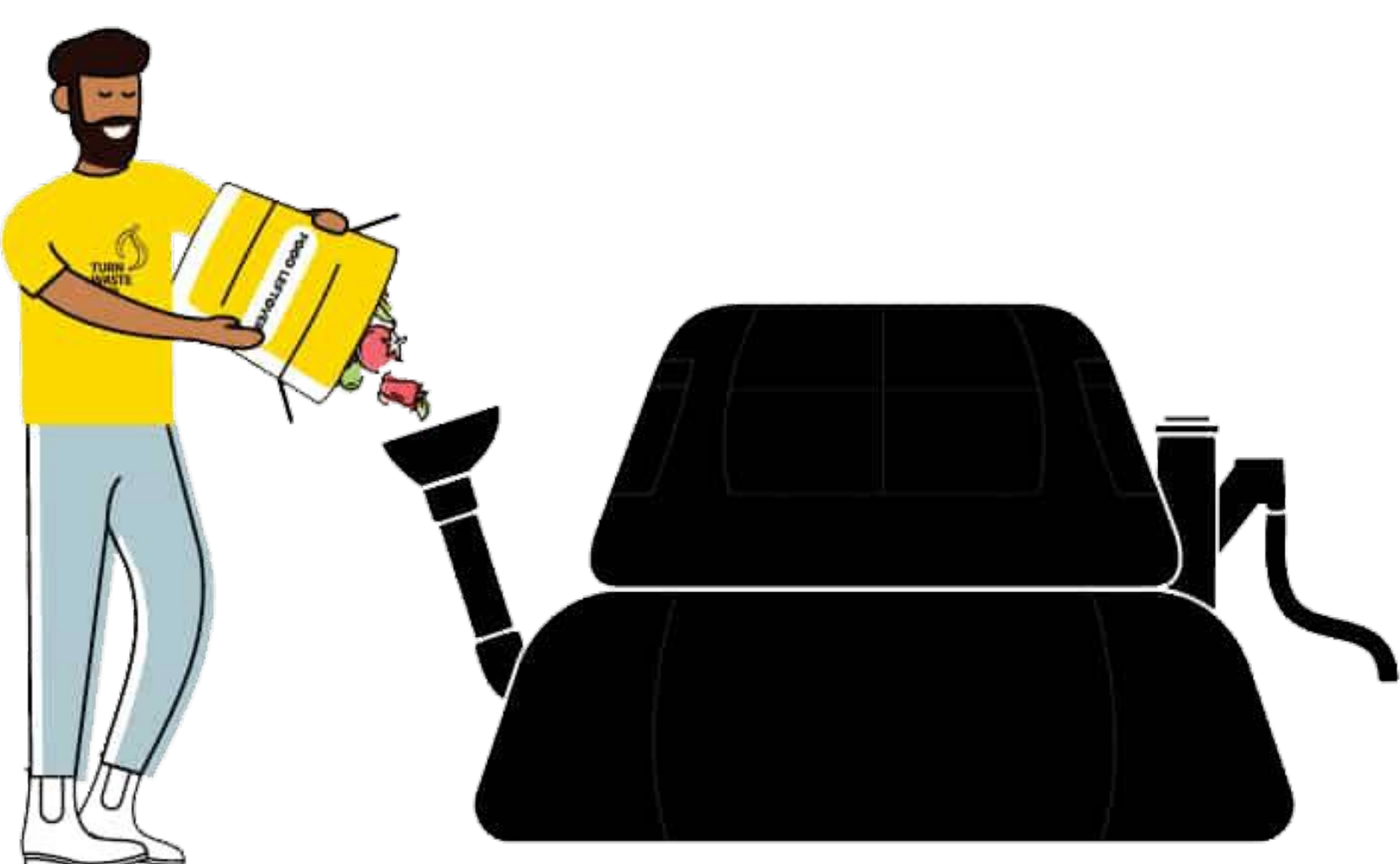
You can turn wet kitchen waste and animal/pet waste into a useful energy source.



TECHNOLOGY SPECIFICATIONS

- 01 SYSTEM DIMENSIONS 210X115X130 CM / 83X45X49 INCHES
- 02 GAS TANK VOLUME 700 LITERS / 185GAL
- 03 DIGESTER TANK VOLUME 1200 LITERS / 317 GA
- 04 MAXIMUM DAILY AMOUNT OF KITCHEN WASTE UP TO 6 LITERS / 1.5 GALLONS
- 05 MAXIMUM DAILY QUANTITY OF ANIMAL MANURE 45 LITERS/12 GALLONS OF SLURRY: 15 LITERS / 4 GALLONS OF MANURE + 30 LITERS / 8 GALLONS OF WATER
- 06 STOVE COOKING TIME (SINGLE BURNER) UP TO 2 HOURS DAILY

HOW HOMEBIOGAS WORKS



1

INSERT FOOD WASTE

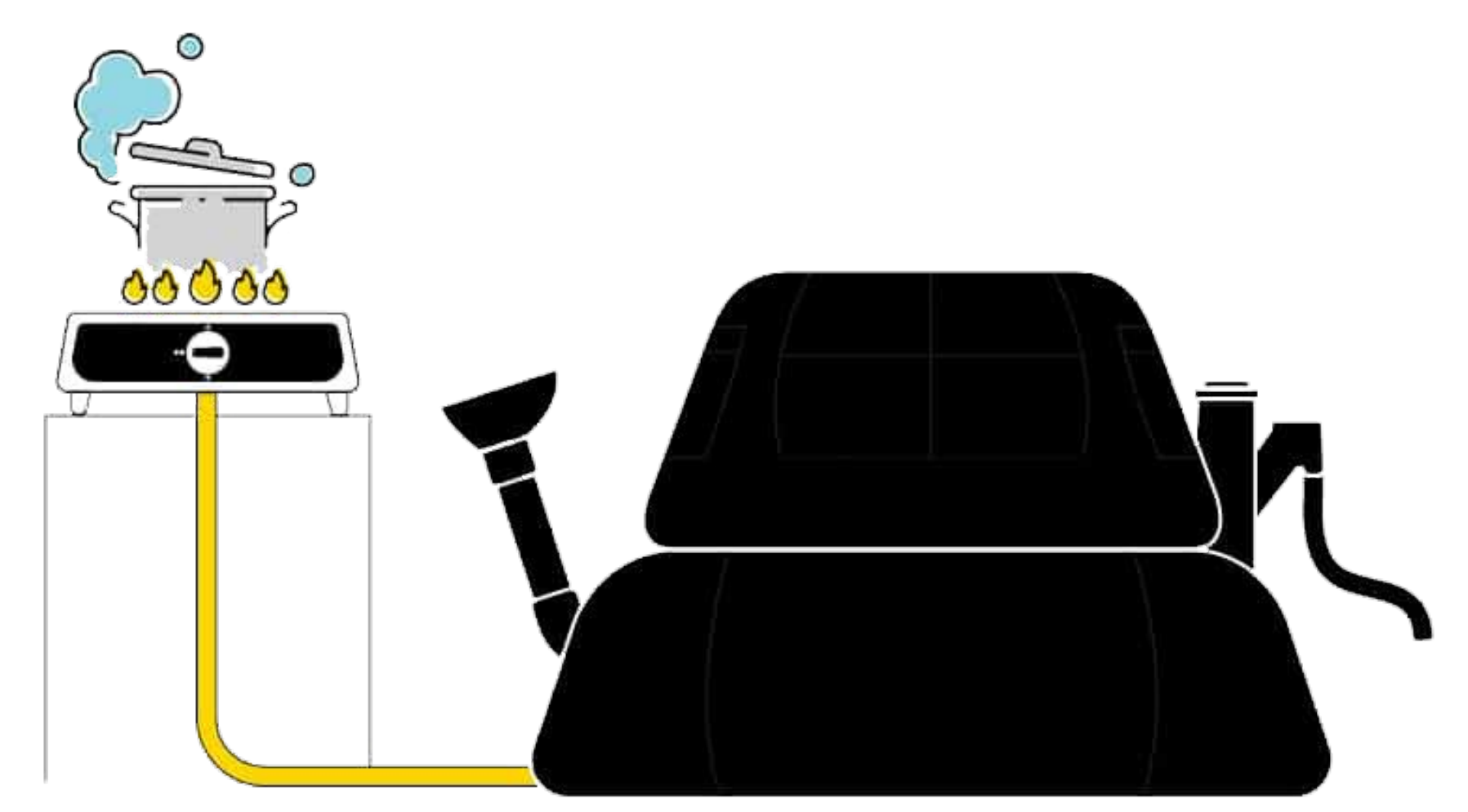
Simply drop your food scraps into the HomeBiogas anaerobic digester system.



2

ANAEROBIC DIGESTER

Give it a few hours and let the micro-organisms work their magic to produce clean cooking gas and liquid fertilizer.



3

CLEAN COOKING GAS AND BIO-FERTILIZER IS GENERATED DAILY

The system generates renewable biogas for your cooking needs and bio-fertilizer for healthy plant growth.

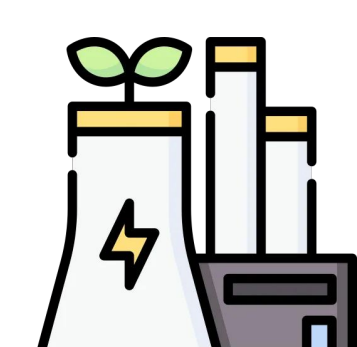
OTHER PRODUCTS



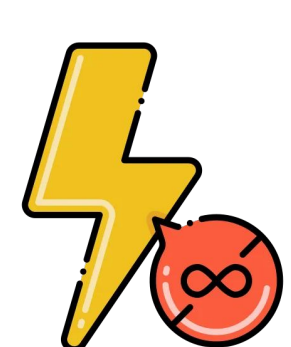
WOOD PELLET & WOOD CHIPS

Offering an efficient energy solution with low moisture content and high heating value, making wood pellets ideal for a variety of heating applications and industrial needs. Its superior combustion ensures optimal heat output and low carbon emissions while providing economic benefits at an affordable price.

BENEFITS OF WOOD PELLETS

- 

1 RENEWABLE ENERGY SOURCES
Wood pellets are made from biomass derived from wood residues, making them a renewable energy source
- 

2 WASTE REDUCTION
Wood pellets utilize wood waste and by-products from the wood processing industry, which can reduce the amount of waste disposed of in landfills
- 

3 ENERGY SOURCE DIVERSIFICATION
By using wood pellets, we can reduce dependence on fossil energy sources and contribute to the stability of energy supply

REPORT OF ANALYSIS WOOD CHIPS

Parameters	Unit	AR	DB
Total Moisture	%wt	11.83	--
Ash Content	%wt	2.30	2.60
Volatile Matter	%wt	68.16	77.30
Fixed Carbon	%wt	17.71	20.10
Total Sulfur	%wt	0.04	0.04
Gross Calorific Value	Kcal/Kg	4208	4772

REPORT OF ANALYSIS WOOD PELLET

Parameters	Description
Total Moisture	8.21
Ash Content	0.47 - 0.7
Volatile Matter	76.29 - 83.12
Fixed Carbon	15.03 - 16.36
Total Sulfur	<0.4
Gross Calorific Value	4468 - 4867 Kcal/kg
Diameter	6-8 mm
Origin	Indonesia
Capacity	2000 metric ton / month
Sertification	SVLK, FSC & ROA SUCOFINDO
Material	Sengon Wood, Acacia Wood, Meranti Wood, Bengkirai Wood

OUR TEAM

COKORDA GDE DWIPA SUSILA

Bachelor of Computer Science
BINUS University Jakarta

Magister of Management
BINUS University Jakarta

NAUFAL RIYANDI

Bachelor of Physics
Padjadjaran University Bandung

Master of Mechanical
Engineering ITB Bandung

I G.N. ERLANGGA BAYU R.P.

Bachelor of Management
Udayana University

Master of Business
Administration ITB

SOON LEE

+10 experienced in electricity
equipment business

ANDHITA TYAS

Bachelor of Physical
Engineering UGM Yogyakarta

Master of Mechanical
Engineering ITB Bandung

KOMANG BUDIASA

+9 Years in Solar PV installation all
over Indonesia

MUHAMMAD FAHMI

Bachelor of Civil Engineering
UGM Yogyakarta

Master of Ocean
Engineering ITB Bandung

WIJI PURWATMO

Bachelor of Electrical
Engineering UGM Yogyakarta

Master of Business
Administration ITB

WAHYU KRISNA AJI FEBRIANSYAH

Diploma of Electronical,
Universitas Negeri Jakarta

BTI RENEWABLE SERVICE COMPANY

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