# ESG and Energy Transition with Renewables

Since 1993



# Welcome to Sundaya



# About Sundaya

**Sundaya** was established in 1993 by a team of passionate people who believed in commercializing solar energy in Indonesia. We wanted to develop and manufacture Solar energy solutions including storage for the 25 million rural households in Indonesia that had no connection to electricity grids. We started out slow, but quickly grew into the needs of the developing market.

All **Sundaya** products are developed by a team of highly professional, creative and passionate engineers based in Indonesia, Singapore, Sweden and China. **Sundaya** products are sold worldwide, with an emphasis on countries with poor electrical infrastructure where the needs of electrical lighting are high. **Sundaya** is presently expanding its sales around the world and we welcome everybody to join building our sales network.

At **Sundaya** we are always striving at developing new, fun and innovative products, that will help our customers gain energy independence and become energy literate at the same time.

Manufactures a complete range of renewable energy products including PV, Integrated inverters, Batteries and standalone products.



# The Sundaya Group



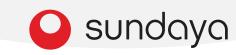
### Certification

The company is certified with

- ISO 9001 2015
- ISO 14001 2015







Solar off-grid kits – earlier development Signature Products

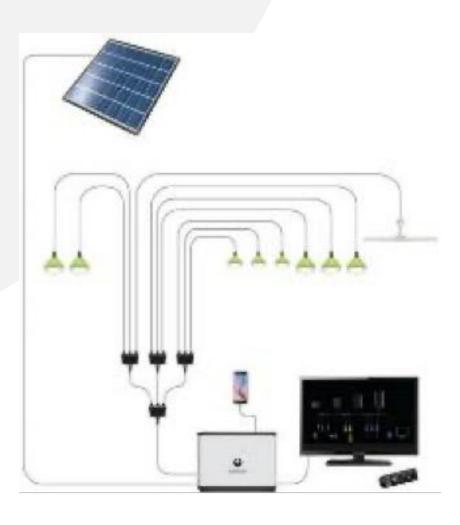
#### **Portable**

kits



#### **JouleBox**

Advanced kits



## **Lighting & Day-charging**Kits



#### **Notes:**

- All Sundaya kits are 100% Plug & Play.
- Expandable Universal Systems (within product groups).
- Extremely high quality and long lasting.
- An accessible & affordable solution for everyone, everywhere to a healthy, high quality clean energy lifestyle.



Battery Energy Storage manufacturing

#### **Other Products/Suppliers**



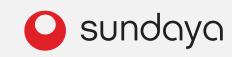
Solar Charge Controller Grid Inverter Battery Bank

#### **Our Products**





Compact unit – Plug and Play – Fast/ Easy Installation

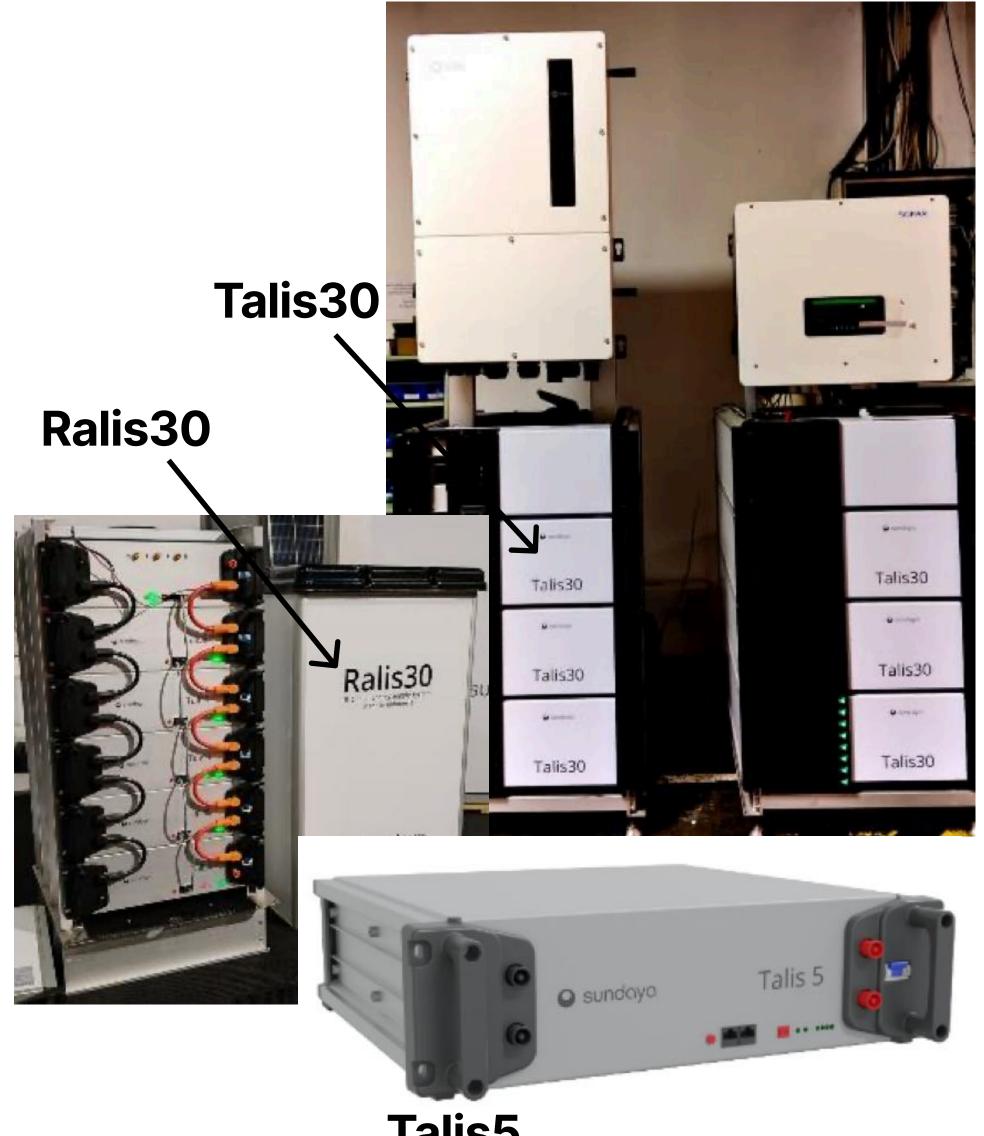


Battery Storage Manufacturing

Battery Pack: Lithium ion 5,5 kWh to 30kWh and higher. With design life of 10+ years (5000 cycles) the Talis can store energy from the solar PV and discharge when there is cloud cover or at night time.

Fully integrated product: Sundaya systems are engineered to be fully integrated plug and play products including grid inverter. This reduces installation time, removes failure points and results in elegant and reliable products.

Remote Monitoring: We provide 24/7 remote monitoring at our Network Operation Centre with 24/7 technical support.







Carport with PV and rain water collection capabilities

Off grid carport design with PV Installation for future golf cart charging station, the design incorporated the ability to collect rain water as parts of Golf course pledge on saving water,







PV installations with integrated battery backup





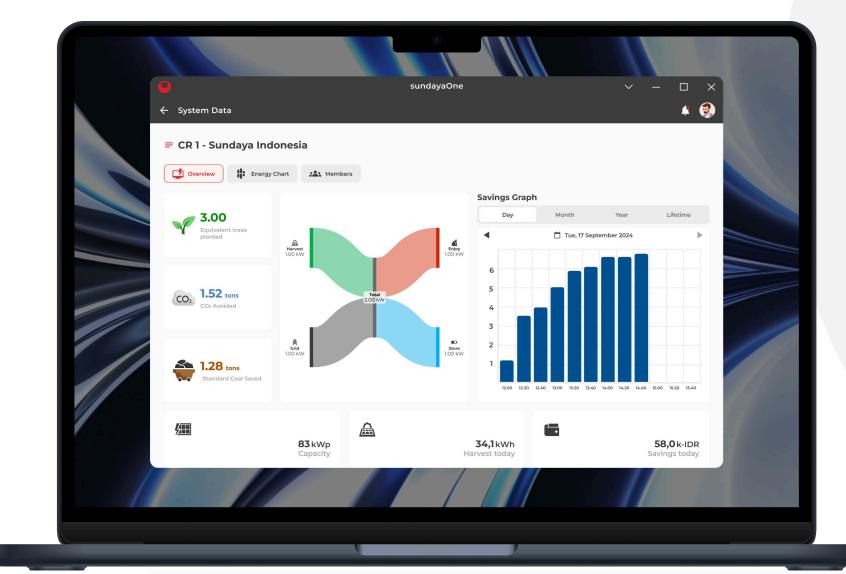


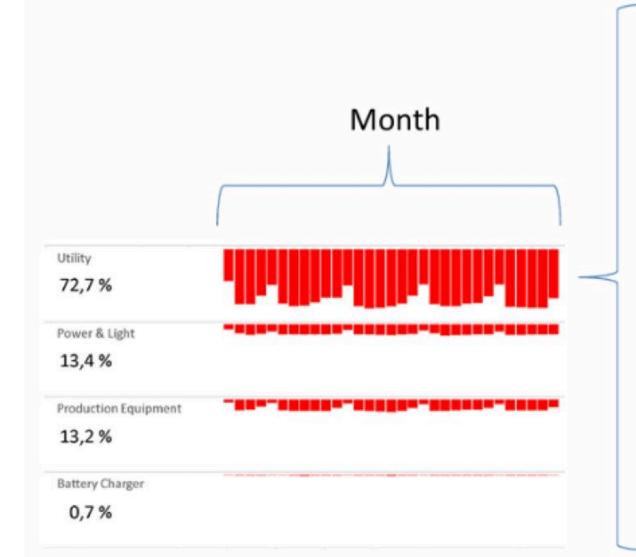
#### **Energy Accounting System**

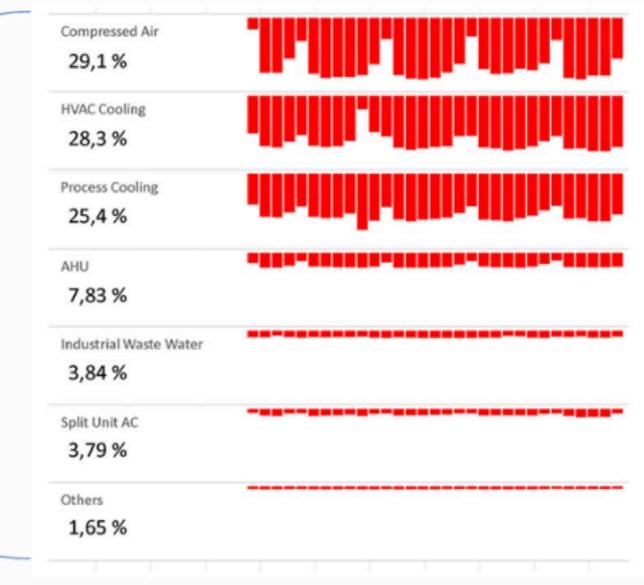
Sundaya can support you with the transition to the clean energy age and met your ESG target through our 3 step "CSR-methodology" which stands for:

**Count - Save - Replace** 

We have hardware and software to help Energy Manager Capturing their energy footprint,

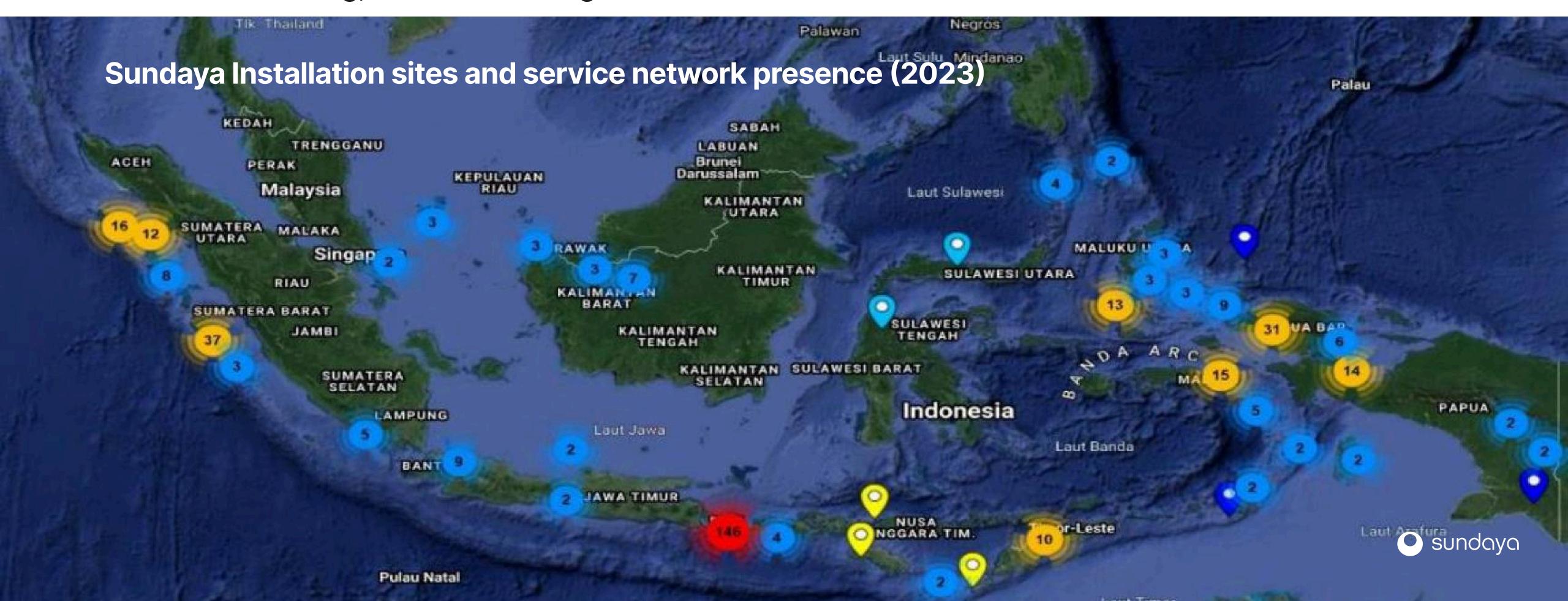








Full operation and maintenance across Indonesia Remote Monitoring, Service Level Agreements & Maintenance



# Engineering Capabilities

In-house Design, Research and Development









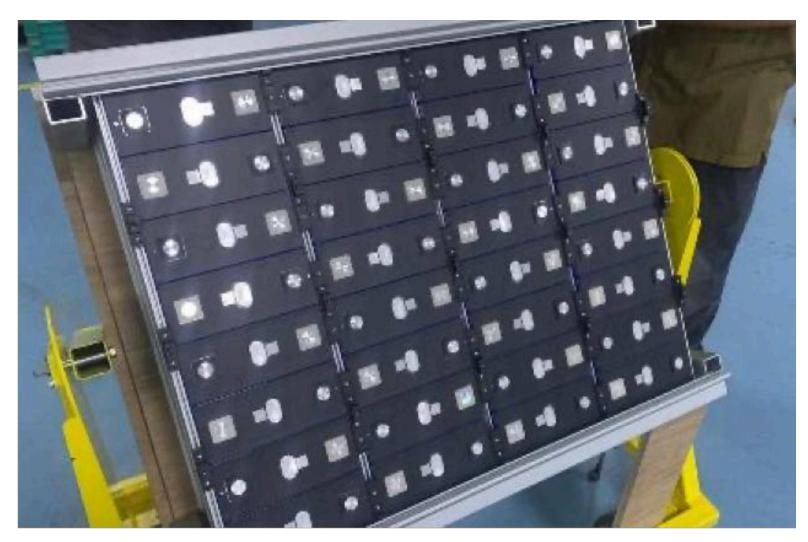


# Manufacturing Facilities

Latest technology equipment

Our facility is periodically upgrade to meet latest Technology demanded by the market.









# Sundaya CSR

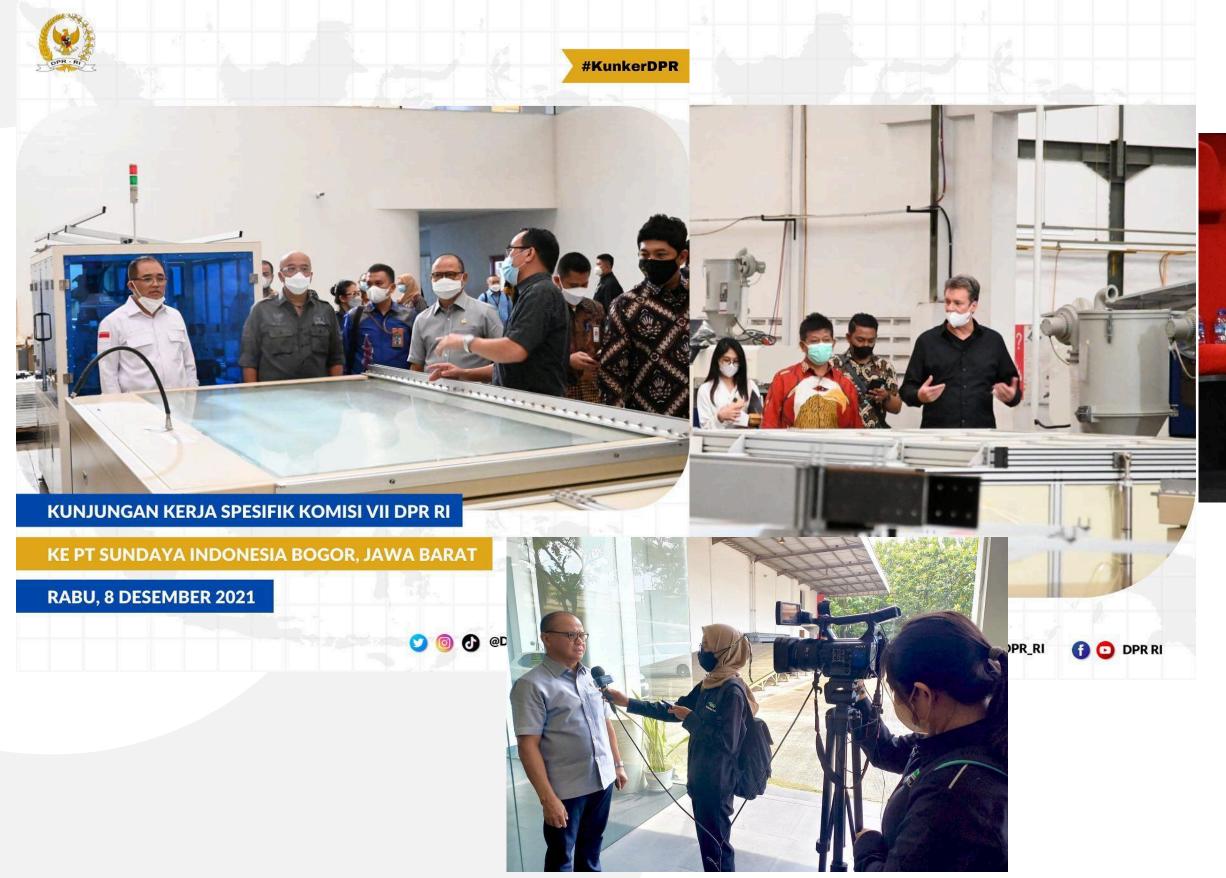
Giving back to society

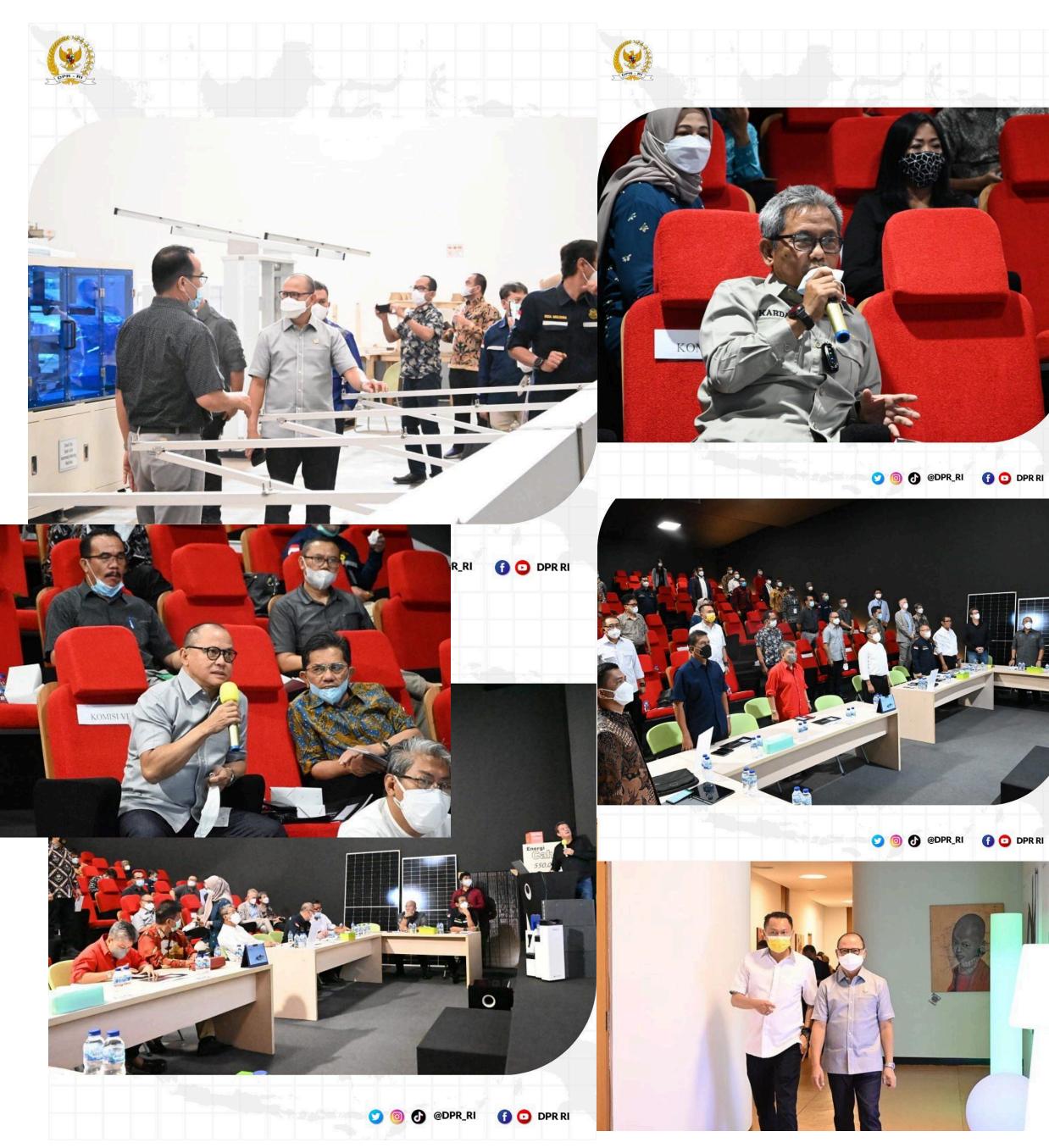
Inside **Sundaya** there is an Auditorium use as training facility, products presentation and market education where students, customers and public can learn and study **Sundaya** innovative Energy solutions and knowledge sharing.



# Sundaya CSR

In Dec 2021, we welcome Commission 7 from house of representative (DPR Komisi 7) visiting us and share **Sundaya** Capabilities and contribution in Energy Transition





# SundayaOne

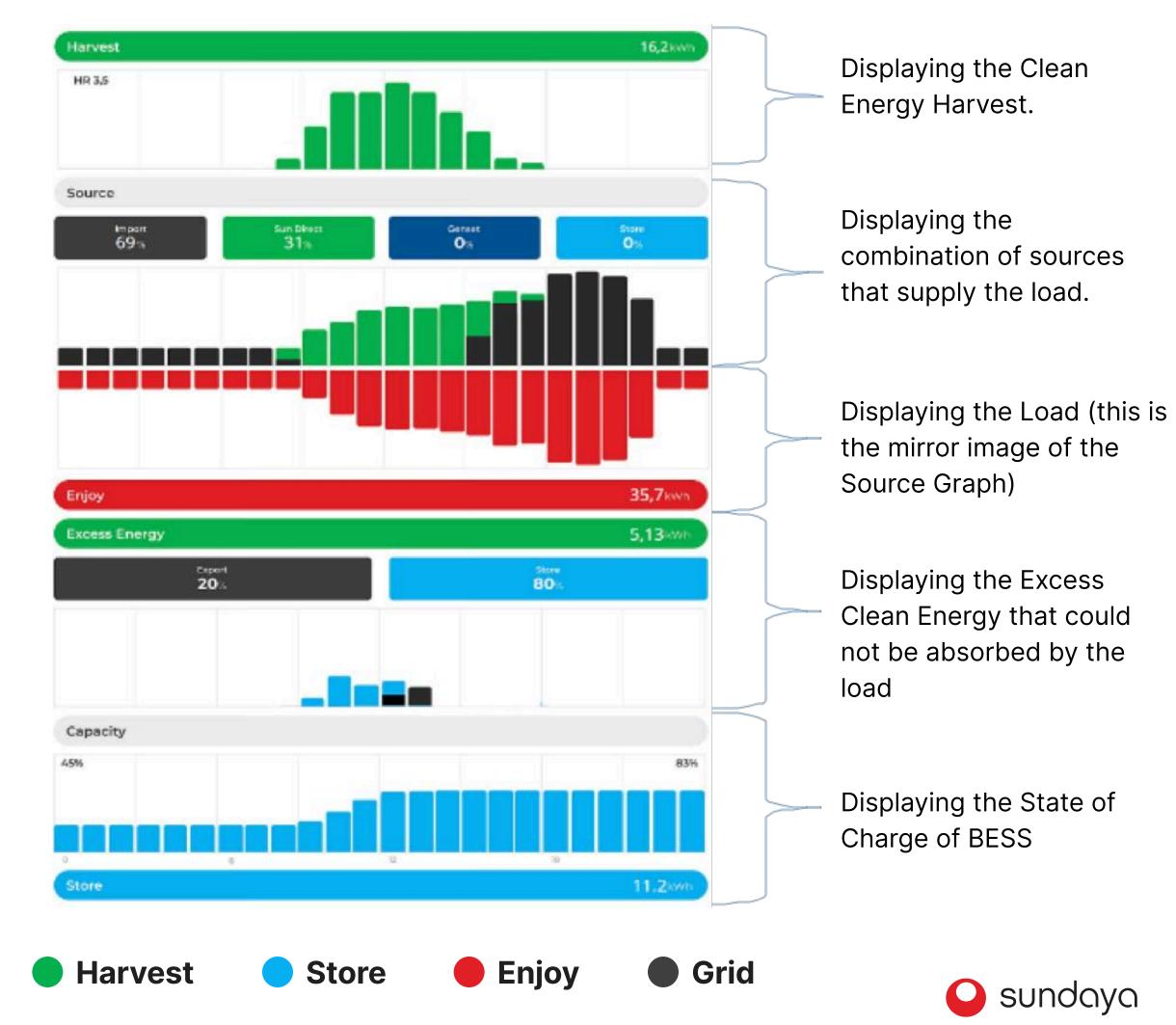
Monitor anywhere in our app

The **Sundaya** EHUB is Sundaya's proprietary Energy Management System that is specifically developed to create a clear and easy understanding about energy flows of simple up to very complex energy systems with multiple generation sources.

The Ehub is the hardware device (or combination of multiple devices) that takes care of reliable collection of all data from all energy devices in an Energy System.

All the energy flow data are stored into **Sundaya** Cloud system for access by multiple authorized users through an APP that can be viewed on PC, Tab, or Mobile Phone.

For time line we can select either day, month or year.



# Commercial

Sundaya Group provide Capex and Leasing scheme for Solar PV Installation.

We provide manage service for providing power on remotes areas throughout Indonesia for telecommunication Base Transceiver Station.

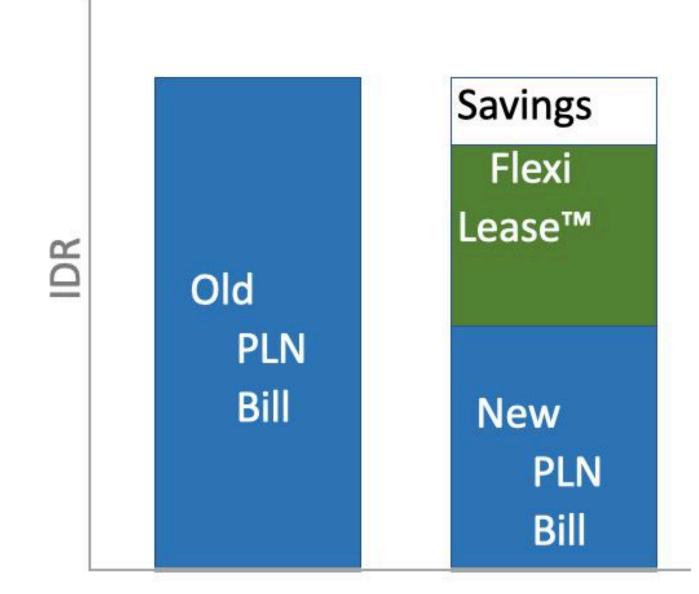


# Sundaya FlexiLease<sup>TM</sup>





Sundaya FlexiLease<sup>™</sup> leasing options are available on solar energy installations and/or including JouleStore energy storage platform. FlexiLease<sup>™</sup> gives you the ultimate flexibility is leasing options enabling choice of different lease durations (5 to 25 years) and the amount of down payment (0% down to 75%).



Commercial, Industrial, Hotels and Resorts: Typical savings over PLN tariff for the energy generated from PV is 10%. FlexiLease™ can be of variable duration up to 25 years with 0% down payment giving business instant savings over their PLN billing.

System Installers: Using the Sundaya product range system installers can obtain FlexiLease™ finance for their customers through an easy on-line application process.



### Flexilease

#### For Example PLN Billing IDR 800 juta per month

#### This proposal is an example only. Formal proposal will require site survey.

PLN Monthly Billing : IDR 800 million

PLN Estimate Connection Rating: 1,500 to 2,000 kV

Estimate average power usage : 1,350 kV

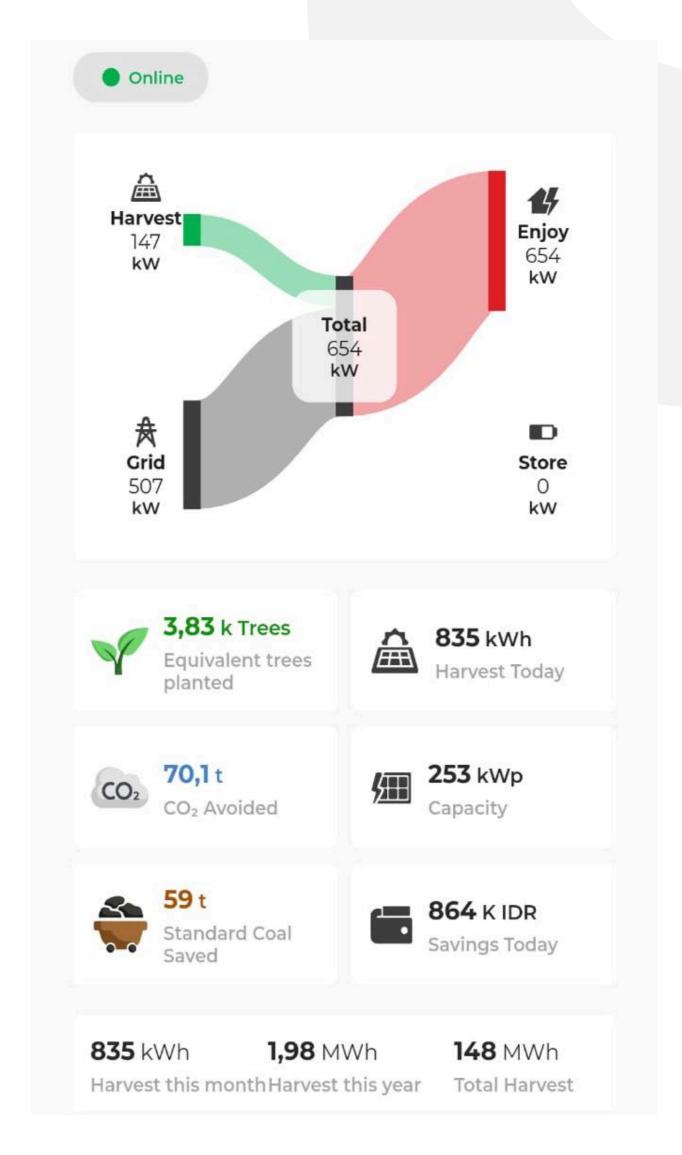
PV array to be installed : 1,000 kWp

Average Monthly PLN usage : 772,000 kWh

Average Monthly PV generation: 162,000 kWh

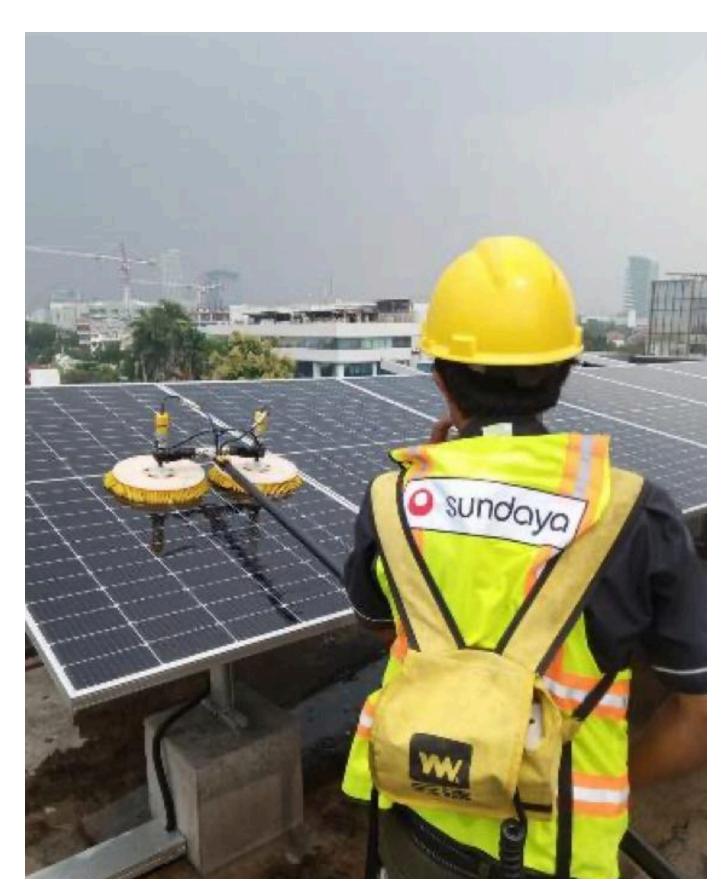
#### **Standard Commercial Terms:**

- Customer pays for energy from PV at PLN tariff less with agreed discount rates.
- Contract terms is 25 years.
- Customer pays 0% up front cost.
- Customer must obtain approvals from PLN including for export of electricity to PLN Sundaya will assist in this process.
- Customer pays monthly for electricity generated at the discount rate shown compared to current PLN tariff for that month.
- FlexiLease includes all costs of supply of equipment, installation and integration, ongoing operation and maintenance.
- FlexiLease retains ownership of the equipment throughout the term.
- Any proposal will be subject to mutual acceptance of all detailed terms and conditions.





# 0 & M Solar PV Plant



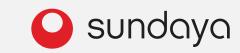
Sundaya provide skilled and trained operator for conducting Operation and Maintenance of Solar PV Plant.

From Sundaya Apps we can monitor the plant productivity and performance. From data capture then we make a schedule plan and maintenance activity.









### Solar PV Installation

Sundaya Group

Up to June 2024 Sundaya Group have installed nearly 2,7 MWp Solar PV Energy through out Indonesia.

We are known for our Off-grid DC solutions

And we are also entering On Grid roof top Installation









Sundaya Projects



















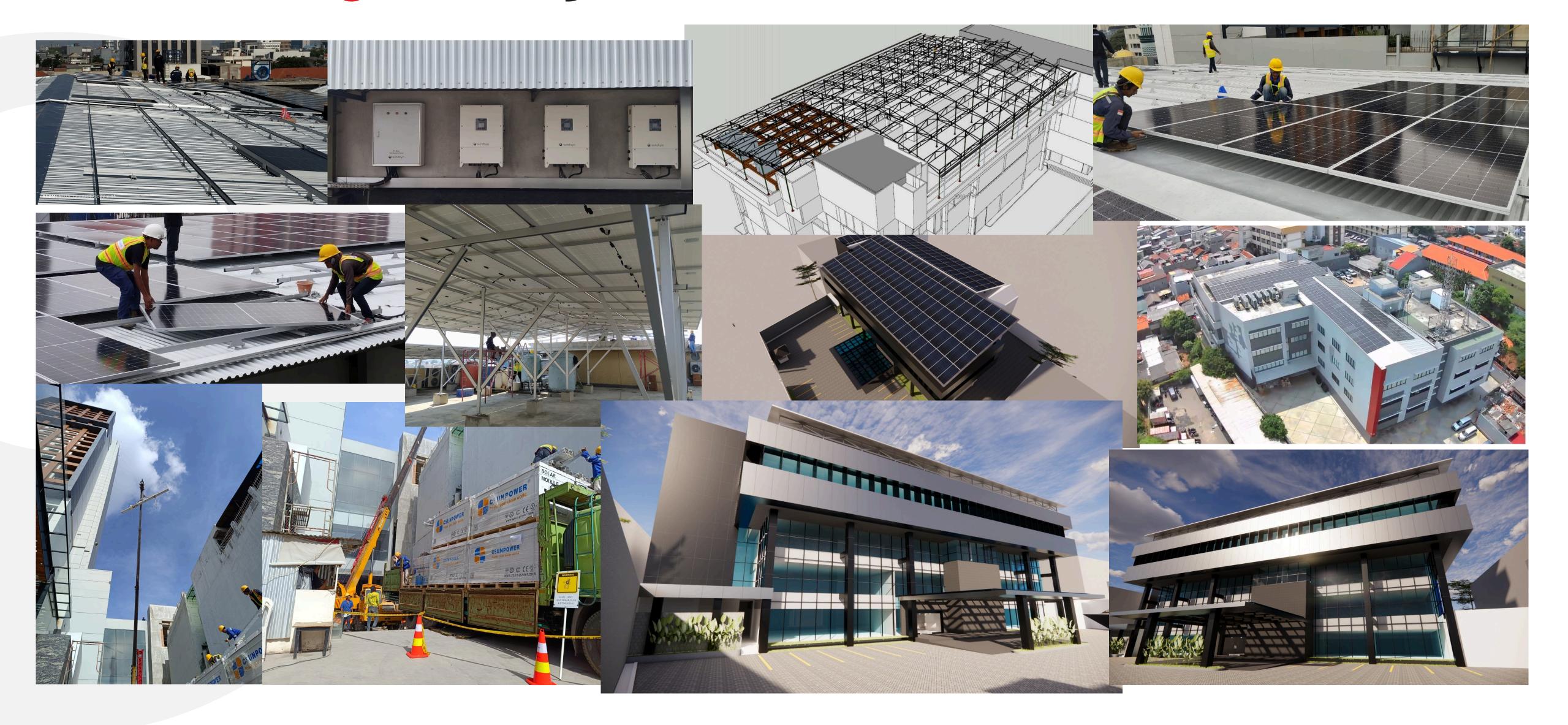








# Sundaya Projects



# Thank You

#### **Contact Us**

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