

COMPANY PROFILE



EIEN

**PT. ENERGI
INDONESIA
ENVIROTAMA**

SMART HOME SYSTEM AND
RENEWABLE ENERGY SOLUTIONS



EIEEN

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RENEWABLE ENERGY SOLUTIONS

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Company Overview



EIEN

PT. Energi Indonesia Envirotama (EIEN) is a company engaged in Smart Home System and collaborates with PT. Energi Terbarukan Internasional (ETERNAL) which is engaged in Solar Photovoltaic Systems. By combining these two technologies, we offer smart solutions for your home or office building electrical applications.

PT. Energi Indonesia Envirotama (EIEN) adalah sebuah perusahaan yang bergerak di bidang sistem Smart Home dan berkolaborasi dengan PT. Energi Terbarukan Internasional (ETERNAL) yang bergerak dalam bidang sistem Solar Photovoltaic. Dengan menggabungkan kedua teknologi tersebut, kami menawarkan solusi cerdas untuk aplikasi kelistrikan bangunan kantor atau rumah anda.

Vision and Missions

VISION:

To be the leader in green energy company and smart home installer in Indonesia, with capability providing international standard quality products and also consistently providing satisfaction for consumers.

MISSIONS:

- Fulfill customers satisfaction in terms of quality, price, and timelines.
- Update to every latest technological developments in order to provide maximum service to customers.
- Provide education to customers regarding the benefits of green energy and energy saving.
- Provide employees personal involvement in any kind of the company development projects.
- Maintain the consistency of product quality, service, and improving company performance.

VISI:

Menjadi perusahaan energi hijau dan instalator rumah pintar yang terkemuka di Indonesia, dengan menyajikan produk berstandar mutu internasional dan secara konsisten memberikan kepuasan bagi konsumen.

MISI:

- Memenuhi kepuasan konsumen dari segi kualitas, harga, dan ketepatan waktu.
- Mengikuti perkembangan teknologi terkini agar dapat memberikan pelayanan maksimal kepada konsumen.
- Memberikan edukasi kepada konsumen terkait manfaat energi hijau dan penghematan energi
- Meningkatkan peran karyawan dalam pengembangan perusahaan.
- Mempertahankan konsistensi kualitas produk, pelayanan, serta peningkatan kinerja perusahaan.



Our Commitment

Referred to the company's vision and missions, we consistently provide guarantees to our customers, in context of:

Mengacu pada visi dan misi perusahaan, kami secara konsisten memberikan jaminan kepada pelanggan kami, berupa:

-  **Excellent product and service quality**
Kualitas produk dan mutu pelayanan yang baik
-  **Competitive price**
Harga yang kompetitif
-  **Punctuality based on project timeline**
Ketepatan waktu sesuai *schedule* proyek
-  **Fast and responsive after-sales team**
After-sales yang cepat dan tanggap
-  **Provision of maintenance and repair services**
Penyediaan jasa pemeliharaan dan perbaikan
-  **Certified by official institutions**
Sertifikasi oleh lembaga resmi



EIEN

Business Introduction

Smart Home Integrated System is an exclusive network that integrates any electronic devices in your home or office such as TV, lights, Air Conditioners, door access, and other devices.

The integration make all electronic devices to be connected to each other and to be controlled remotely via internet.

Smart Home is a smart solution that provides convenience and security for its users.

Sistem Smart Home merupakan sebuah jaringan yang mengintegrasikan semua perangkat elektronik di rumah atau kantor seperti TV, lampu, AC, akses pintu, serta perangkat lainnya.

Dengan adanya integrasi tersebut, perangkat elektronik di rumah dapat saling terkoneksi dan dapat dikontrol dari jarak jauh melalui jaringan internet.

Smart Home adalah sebuah solusi pintar yang menyajikan kenyamanan serta keamanan bagi para penggunanya.

Indonesia is a tropical country with abundant solar radiation. Energy from sunlight can be converted and utilized into electrical energy by using Photovoltaic modules.

Solar energy is one of the renewable resources, where the energy source is unlimited, low emission, and environmental friendly. The energy that generated by Solar Power Plant also has a relatively low on Levelized Cost of Energy (LCOE) and equals to the LCOE of Coal Power Plant.

With the installation of a PLTS system, we get electrical energy that has almost no CO₂ emissions and the production costs tend to be cheap, so it can reduce monthly electricity bills.

Indonesia merupakan negara beriklim tropis dengan tingkat radiasi cahaya matahari yang berlimpah. Energi dari cahaya matahari dapat dikonversikan dan dimanfaatkan menjadi energi listrik dengan menggunakan modul Photovoltaic.

Energi cahaya matahari adalah salah satu dari sumber energi terbarukan, dimana sumber energinya tidak terbatas, rendah emisi, dan ramah lingkungan. Energi yang dihasilkan PLTS juga memiliki Levelized Cost of Energy (LCOE) yang relatif rendah dan setara dengan LCOE PLTU Batubara.

Dengan pemasangan sistem PLTS, kita mendapatkan energi listrik yang hampir tidak memiliki emisi CO₂ dan biaya produksinya cenderung murah, sehingga dapat mengurangi tagihan listrik bulanan.

SMART HOME

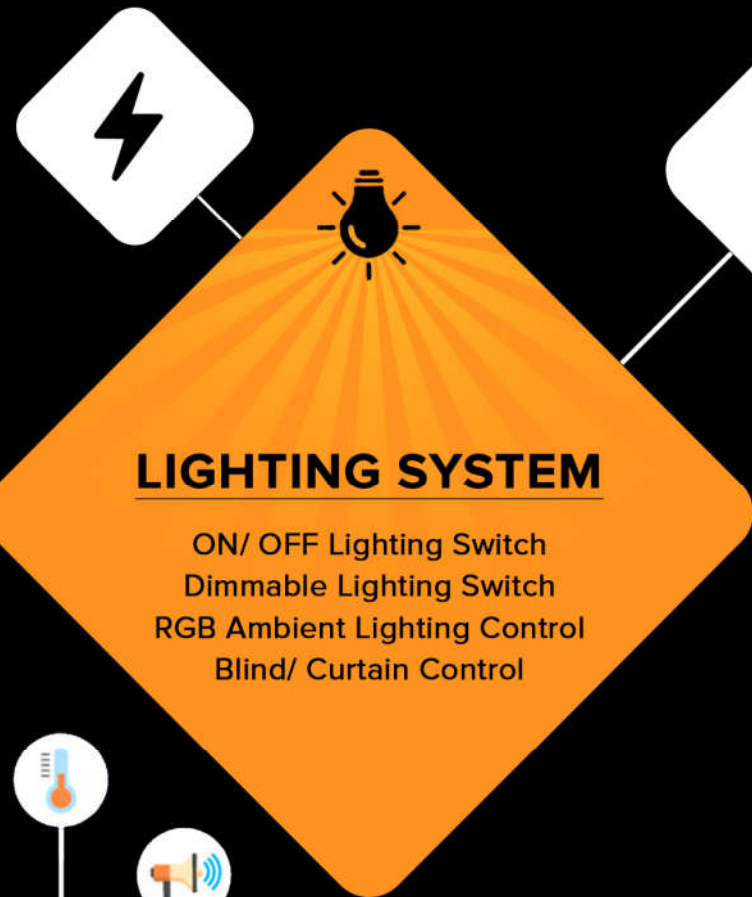


SOLAR PANEL

Overview

Smart Home system applications may vary based on preferences. There are lighting systems, air conditioning, audio & multimedia, security & safety systems, and automation systems. The integration makes Smart Home a reliable system that creates a simple way to monitor and control your home.

Terdapat beragam jenis pengaplikasian sistem Smart Home. Mulai dari sistem tata cahaya, tata udara, audio & multimedia, sistem keamanan, sampai dengan sistem otomatisasi. Pengaplikasian sistem tersebut menjadikan Smart Home sebagai sistem andal dan menciptakan cara yang mudah untuk memantau dan mengontrol rumah anda.



AIR CONTROL SYSTEM

Temperature & Humidity Monitoring
Air Conditioner Control
Fan Control
VRV Control



AUTOMATION SYSTEM

Remote Control by Mobile Phone
Programmable Preset Control
Home Appliances Control
Motion Detection Control
Motorized Door Gate
Power Monitoring



SAFETY SYSTEM

Water Leakage Alarm
Gas Leakage Alarm
Fire Alarm



AUDIO & MULTIMEDIA

TV & Speaker Control
Voice Command



SECURITY SYSTEM

Door & Window Sensor
Door Lock & Door Bell
CCTV and IP Camera



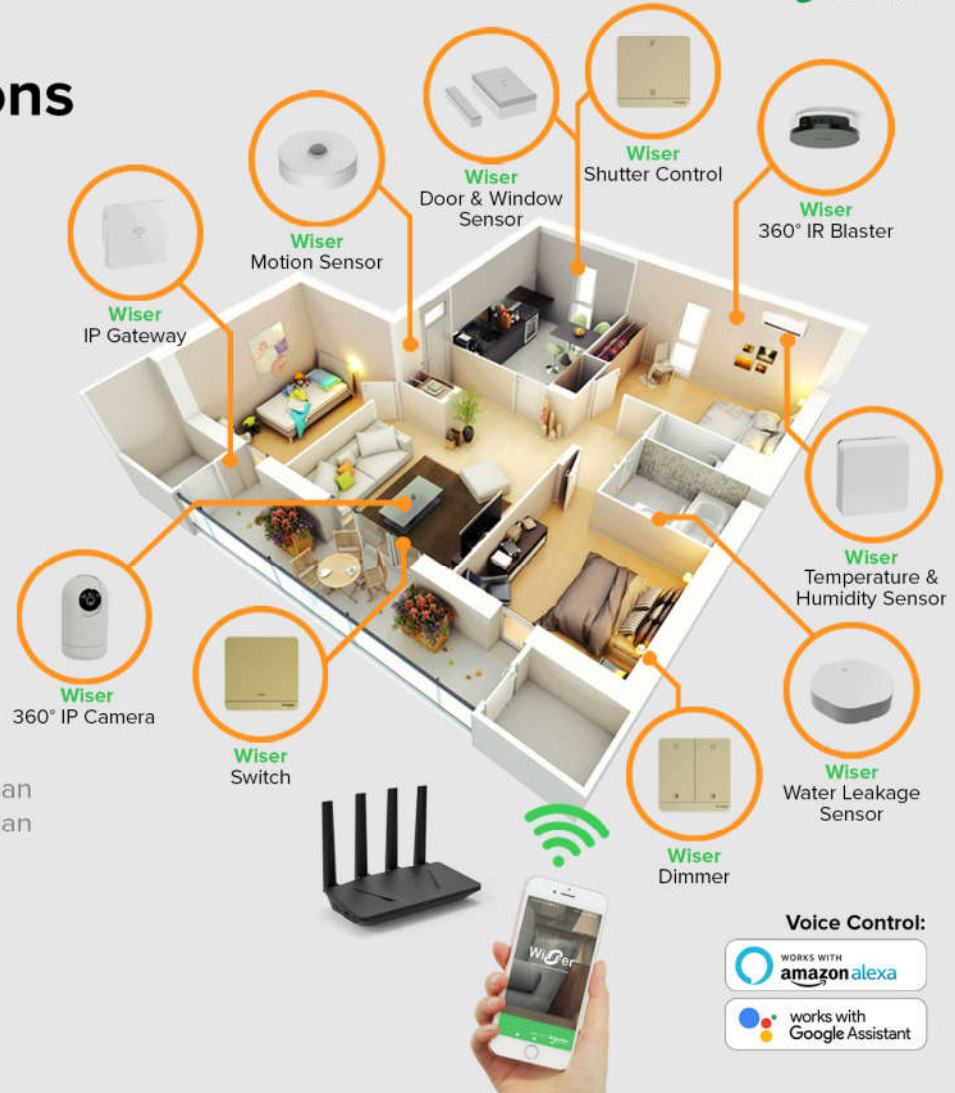
Products and Applications



Meet Wiser

Wiser gives you unparalleled control over your home's critical needs, delivering comfort, convenience and peace of mind.
A perfect system of connected home experience.

Wiser memberi anda kontrol yang terbaik atas kebutuhan rumah anda, memberikan kenyamanan, kemudahan, dan ketenangan pikiran.
Sistem sempurna untuk rumah yang nyaman dan aman.



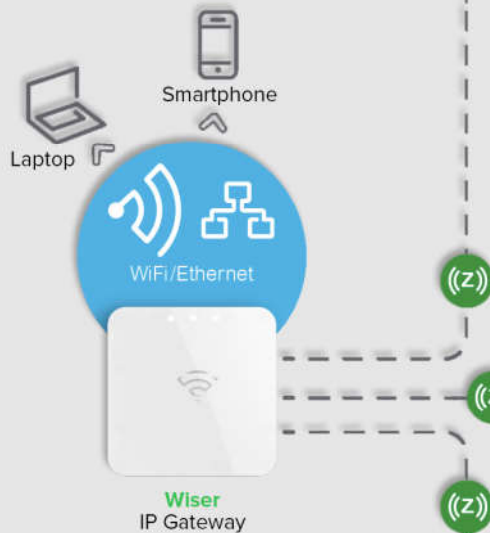
Voice Control:



Configuration

Wiser Network Topology

The latest technology of zigbee 3.0 network, in every wiser device provides better connection in every area.



Available Color:



This panel displays four Wiser Switch and Dimmer devices:

- Wiser Switch 1G/2G/3G** (Lightbulb icon)
- Wiser Dimmer 1G/2G** (Lightbulb icon)
- Wiser Curtain Switch 1G/2G** (Curtain icon)
- Wiser Freelocate 2K/4K** (Person icon)

It also shows **Mechanical Switches** with **Wiser Micro-module Switch** and **Wiser Micro-module Dimmer**.

This panel displays four Wiser sensors:

- Wiser Motion Sensor** (Person icon)
- Wiser Water Leakage Sensor** (Water drop icon)
- Wiser Door & Window Sensor** (Door icon)
- Wiser Temperature & Humidity Sensor** (Thermometer icon)

This panel displays two Wiser devices:

- Wiser 360° IR Blaster** (Snowflake icon)
- Wiser VRV Controller** (Snowflake icon)



AvatarOn



Push Your Imagination

With AvatarOn, your interiors can evolve along with your needs. Whether you are undergoing a quick refresh or an all-out renovation, AvatarOn is ready to help you switch things up.

The range includes six fashionable, classic appearances, which can be matched to your hotel's unique style. You can also design your own cover for themed events or festivals being held at your hotel's restaurant or function room.

Additionally, with one-hand cover removal and easy-mount covers, customizing rooms is quick and easy.

Examples of personalized covers



Dengan AvatarOn, interior rumah anda dapat dikembangkan sesuai dengan keinginan anda.

Anda juga dapat mendesain sendiri cover saklar dan disesuaikan dengan tema nuansa ruangan anda.

Selain itu, cover dapat dengan mudah dilepas dan dipasang, sehingga mudah melakukan penyesuaian ruangan.

Switches



1 Gang
1 Way & 2 Way
Switch with LED



2 Gang
1 Way & 2 Way
Switch with LED



3 Gang
1 Way & 2 Way
Switch with LED



4 Gang
1 Way & 2 Way
Switch with LED



20 / 32 / 45A 1 Gang
Double Pole Switch
with LED



20A 2 Gang
Double Pole
Switch with LED



1 Gang
Momentary Switch



2 Gang
Momentary Switch



3 Gang
Momentary Switch



1 Gang Bell
Press Switch



Curtain Switch

Dimmer



1 Gang Dimmer
and Switch

Accessory



International Socket
2 x 2.1A USB Charger



USB Charger
Type A + Type C



Night Foot Lamp



3 Gang
with Keyholder



2 Gang
Data Socket



1 Gang TV &
Data Socket

Available Color:



White



Wine Gold



Dark Wood



Black

Hotel SKUs



1 Gang Bell
Switch with
"Do Not Disturb",
"Please Clean Up"
& "Please Wait"
Symbols



3 Gang
Switch with
"Do Not Disturb",
"Please Clean Up"
& "Please Wait"
Symbols



Electric Key
Card switch



Universal
Shaver Unit



KNX Push-button Pro

High-quality design and intuitive operability - the new KNX Push-Button Pro concentrates on what is essential. The individual touch-sensitive zones on the sensor cover are shown using illuminated function icons that shine through the translucent surface and emphasize the high-quality look of the new push-button.



Desain berkualitas tinggi dan pengoperasian intuitif - KNX Push-Button Pro yang baru berkonsentrasi pada hal-hal yang penting. Zona sensitif sentuhan pada setiap penutup sensor ditampilkan menggunakan ikon dengan backlight LED.

KNX Multitouch Pro

The new KNX Multitouch Pro with an exceptional design with functional control that similar to smartphone or tablet. Swiping is used to achieve between eight possible main functions. The unit offers a choice of two interface designs, vertical or rotary, which can also be used in combination.



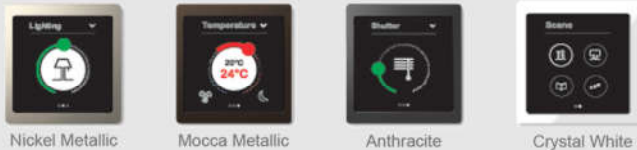
KNX Multitouch Pro memiliki desain yang luar biasa, dengan fungsi kontrolnya mirip dengan smartphone atau tablet. Unit ini menawarkan dua pilihan desain *interface*, vertikal atau putar, serta kombinasi antara keduanya.



Comfort and Convenience

Modern design in many forms sleek looking devices that provide simple, looks great and intuitive ways to control your home, and also available in a wide selection of materials, shapes, colors, and comes in perfect System Design size (71 x 71 mm).

Desain modern dalam berbagai bentuk perangkat tampak ramping yang menyediakan cara sederhana, tampak hebat, dan intuitif untuk mengontrol rumah anda. Perangkat ini tersedia dalam berbagai pilihan bahan, bentuk, warna, dan hadir dalam ukuran Desain Sistem yang sempurna (71 x 71 mm).



Nickel Metallic

Mocca Metallic

Anthracite

Crystal White



D-Life Metal



D-Life Metal
Nickel Metallic



D-Life Metal
Champagne Metallic



D-Life Metal
Mocca Metallic



D-Life Metal
Nickel Metallic

D-Life Thermoplast



D-Life Thermoplast
Lotus white



D-Life Thermoplast
Sahara



D-Life Thermoplast
Anthracite



D-Life Thermoplast
Lotus white

D-Life Glass and Stone



D-Life Glass
Crystal White



D-Life Glass
Onyx Black



D-Life Stone
Slate Polished



D-Life Glass
Crystal White

EIEN | SMART HOME SYSTEM

Business Partners

Our company is one of the authorized dealers of **Schneider Electric** for Smart Home products, and cooperates as a business partner with **PT. Trinity Solusi Powerindo** and **PT. Muliamakmur Elektrikatama**.

Perusahaan kami ditunjuk sebagai salah satu dealer resmi **Schneider Electric** untuk produk Smart Home, serta bermitra bisnis dengan **PT. Trinity Solusi Powerindo** dan **PT. Muliamakmur Elektrikatama**.

Life Is On

Schneider
Electric



PT. TRINITY SOLUSI POWERINDO



PT. MULIAMAKMUR ELEKTRIKATAMA
SWITCHBOARD & MAINTENANCE



Project References

Our company has been successfully installed several Smart Home projects including houses, hotels, apartments, and office buildings.

Sampai dengan saat ini, perusahaan kami telah berhasil mengerjakan proyek Smart Home diantaranya di rumah, hotel, apartment, dan gedung perkantoran.

La Maison Barito



Rimba Hotel Bali

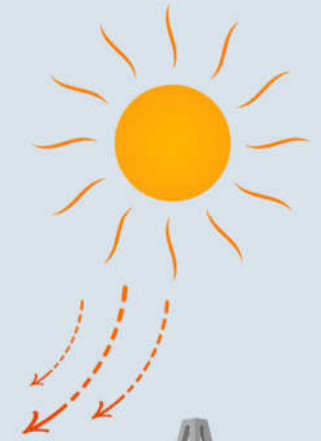


Ayana Hotel Jakarta



Ayana Resort Hotel Bali

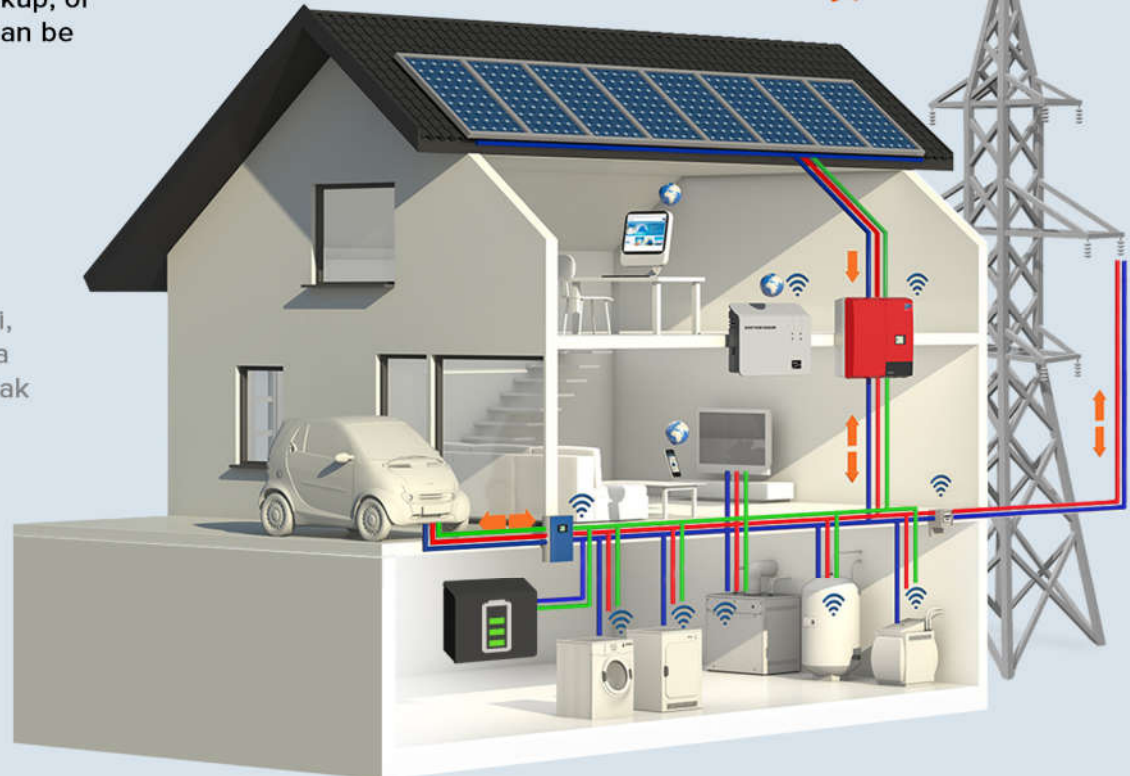




Overview

EIEN provides various renewable energy systems for energy solutions in your property. Energy saving problems, energy backup, or generating energy in remote areas can be provided by EIEN.

EIEN menyediakan berbagai sistem untuk solusi energi yang sesuai dengan kebutuhan energi listrik di bangunan anda. Solusi energi yang diberikan EIEN meliputi perihal penghematan energi, penyediaan cadangan energi, hingga penyediaan listrik di daerah yang tidak terjangkau jaringan listrik PLN.



- ON GRID
- OFF GRID
- HYBRID

■ ON GRID SYSTEM

Giving energy saver solution for PLN grid-connected areas. No battery required for this system. Therefore, Payback Period become shorter.

On Grid System generates electricity from Solar Energy which works together with PLN Grid System. Priorities is given to the Solar Energy to be consumed first, so it can cut the electricity bills.

Sebuah solusi penghematan energi untuk daerah yang mempunyai jaringan listrik PLN. Sistem ini tidak memerlukan baterai, sehingga dapat mengembalikan nilai investasi lebih cepat.

Sistem On Grid terhubung langsung dengan listrik PLN dan memprioritaskan energi dari PLTS, sehingga dapat mengurangi tagihan listrik tanpa mengganggu jaringan listrik PLN.

■ OFF GRID SYSTEM

Solution for remote areas where PLN Grid is not available.

Off Grid System can work standalone without PLN Grid. Batteries are required to store energy for continuous electricity supply.

Alternatif solusi untuk daerah yang belum terjangkau oleh jaringan listrik PLN. Sistem Off Grid dapat berdiri sendiri tanpa membutuhkan jaringan PLN dengan menggunakan baterai sebagai media penyimpanan energi listrik.

■ HYBRID SYSTEM

Backup Energy System when the PLN Grid is off.

Hybrid System is connected to the PLN Grid together with the batteries to store energy, so the risk of blackout in this system is low.

Merupakan solusi untuk penyediaan cadangan energi ketika jaringan listrik PLN padam.

Sistem Hybrid terhubung langsung dengan jaringan listrik PLN dan baterai sebagai tempat penyimpanan energi, sehingga resiko pemadaman listrik menjadi rendah.



Standard and Certifications

We used some international and local standards for building and installing PV systems:

Berikut adalah standar yang kami terapkan dalam pemasangan sistem PLTS:

Standar Konstruksi Proyek PLTS	
Pemasangan sistem PLTS	IEC 62548: "PV Arrays –Design Requirement"
Sistem kelistrikan	Persyaratan umum instalasi listrik 2011
Aturan pembebanan gedung untuk PLTS	SNI 1727-2020 Beban desain minimum dan kriteria terkait

Standar Komponen	
PV Module	IEC 61215: Terrestrial photovoltaic (PV) modules –Design qualification and type approval for Crystalline Silicone
	IEC 61730/UL 1703: PV module safety qualification
Inverter	IEC 61727: Characteristics of the Utility Interface
	IEC 62109: Safety of Static Inverters
	IEC 62116: Testing procedure of Islanding Prevention Methods for Utility-Interactive Photovoltaic Inverters
Baterai	IEC 61427: Secondary Cells and Batteries For Renewable Energy Storage –General Requirements and Methods of Test

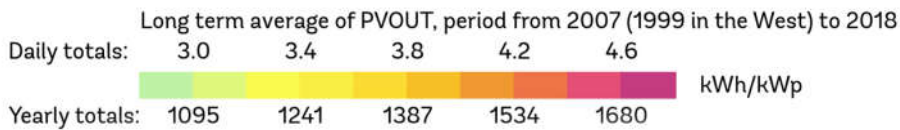
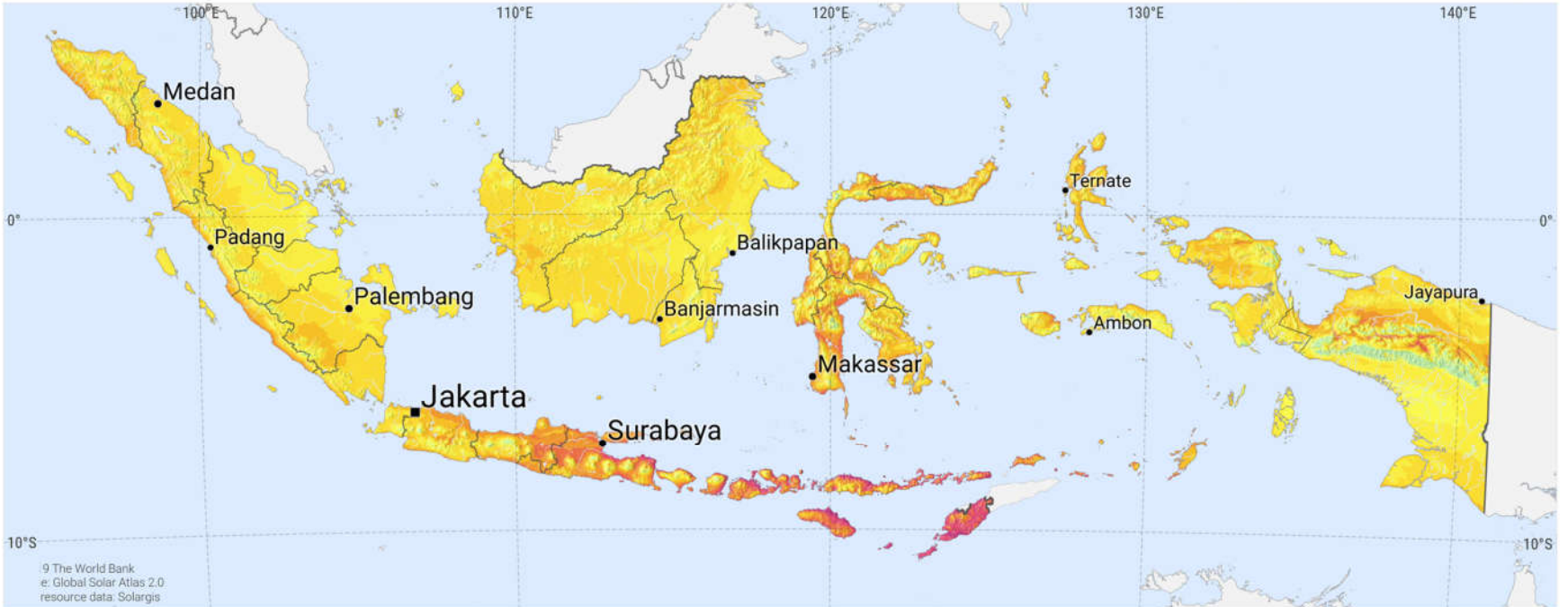
Our company has many certified and competent experts in PV systems construction.

Perusahaan kami memiliki tenaga ahli yang bersertifikasi dan berkompeten di bidang pembangunan PLTS.



in conjunction with:
ETERNAL
 Energy Services International

PHOTOVOLTAIC POWER POTENTIAL INDONESIA



Business Partners

EIEN is in partnership with some companies with experience in the renewable energy sector. We use international standard quality products all over the world.

EIEN bermitra kerja dengan perusahaan-perusahaan yang sudah berpengalaman di bidang energi terbarukan. Produk-produk yang digunakan memiliki kualitas bertaraf internasional.



Project References

EIEN has been successfully built and installed Solar PV System in residential buildings, commercial building, and industrial scale buildings.

EIEN telah berhasil membangun dan memasang Sistem Solar Panel pada bangunan tempat tinggal, bangunan komersial, dan bangunan skala industri.

Residential (6.3 kWp)



PV Street Light



Commercial (19.4 kWp)



Industrial (232 kWp)





EIEN


**PT. ENERGI
INDONESIA
ENVIROTAMA**

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