



Solar Energy for Sustainable Solution

COMPANY PROFILE

EST. CHIANG RAI, THAILAND

Solar Energy for Sustainable Solution

Design, installation, monitoring and long-term care of solar power for homes, resorts, farms and factories across Thailand.

720+

Sites installed

70–100%

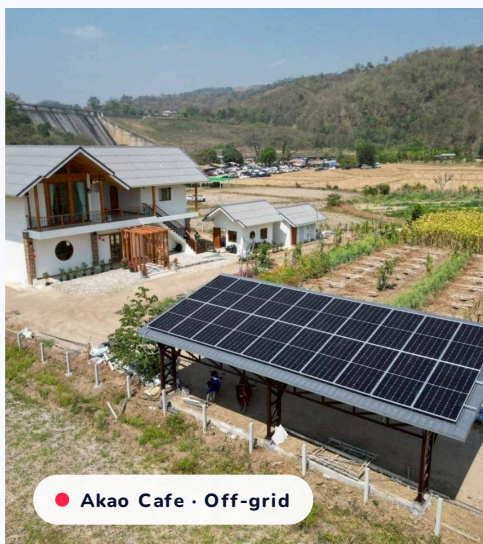
Electricity bill reduced

Lifetime

Support with customers



● Rayawadee Resort



● Akao Cafe · Off-grid



● Bangkok



01 — ABOUT US

Building energy independence, one roof at a time.

Solar ESS was founded to promote solar energy adoption and sustainable practice across Thailand, raising awareness of energy use at both the household and industrial level.

The sun's output is renewable and sustainable, expected to last as long as the sun itself — equally accessible to everyone, with no depletion of other resources required to use it. Solar remains one of the most affordable paths to energy independence for individuals, and with the right support and incentives, that independence is within everyone's reach. Solar ESS is committed to sustainable energy practice in business, learning from real experience on the ground in Thailand to better understand local energy challenges and empower the people we work with.

SOLAR ENERGY REACHING
EARTH

173,000^{TW}

Over 10,000× total human energy use
— renewable, and equally accessible
to everyone.



Sustainable & Renewable

Clean generation that reduces reliance on fossil fuels and grid strain.



Safe & Reliable Power

Engineered systems built to run safely through Thailand's climate, day after day.



Great Savings & ROI

Lower daytime electricity costs that pay the system down over time.

HEADQUARTERS

53 Phahonyothin Rd. Soi 4, Moo 2,
Nanglae, Amphoe Mueang, Chiang
Rai 57100

REACH

Residential, commercial,
agricultural, education & hospitality
projects across Thailand

ALLIANCE

Founding member, Thailand Solar
Installer Alliance (TSIA)



02 — WHAT WE OFFER

End-to-end solar, from first estimate to years of **upkeep**.

HOW WE WORK

One partner for the whole life of your system.

- 01 Survey
- 02 Design
- 03 Install
- 04 Monitor
- 05 Maintain

Every system stays connected to its maker's monitoring platform after commissioning.



01

Solar Panel Installation

Full design and installation of on-grid, hybrid and off-grid PV systems, sized to the site and load.



02

Standard Solar Packages

Pre-sized packages for the typical home, cutting daytime grid usage with a straightforward payback.



03

Solar Roof Rental

We lease usable roof space and install at our cost, sharing the generated savings with the owner.



04

Installer Cooperative

A network program for independent installers to access training, materials and shared project support.



05

Technical Consultation

Battery sizing, single-line diagrams and thermal scanning to catch faults before they cost money.



06

Education & Resources

Open technical guides — sizing tools, collector reviews, specs — for owners and fellow installers.

ON-GRID · HYBRID · OFF-GRID

Sized to your site and load — from a single home to a full factory.





03 — FLEET AT A GLANCE

Nine platforms, one fleet — monitored around the clock.

Solar ESS installs Huawei, Solis, Deye, Atmoce, Sigenergy, Sungrow, INVT, SolarEdge and Enphase hardware, and every site stays connected to its maker's monitoring platform after commissioning. The 720+ live systems below are the installed base of Solar ESS and its Affiliated Network across Thailand — an ongoing, verifiable record of how each one performs.

720+

Systems monitored
across nine platforms

450+

Online or normal
right now

9.0_{MW}

Known combined
installed/rated
capacity

10.0_{GWh}

Combined lifetime
generation, three
platforms

10_x

More real-time
visibility than an
unmonitored fleet

FusionSolar
HUAWEI

- 400+ plants, ≈8.2 MW rated power
- ≈9.6 GWh lifetime yield

**SolisCloud**
SOLIS

- 50+ plants, ≈796 kWp
- ≈134 MWh lifetime battery throughput

**DeyeCloud**
DEYE

- 30+ plants monitored
- ≈422 MWh lifetime yield

**AtmoceCloud**
ATMOCE

- 10+ plants, ≈20 kW microinverter power
- ≈518 kWh produced past 7 days

**Sigenergy**
SIGENERGY

- 5+ plants monitored

**iSolarCloud**
SUNGROW

- 5+ plants monitored

**INVT Solar**
INVT

- 5+ plants monitored

**SolarEdge Monitoring**
SOLAREEDGE

- 3 plants, 14.52 kW peak power
- 20.64 kWh produced yesterday

**Enlighten**
ENPHASE

- 2 plants — Hat Yai & Samut Prakan
- 33.4 MWh combined lifetime yield

**One Standard, Nine Brands**

Whether a site runs Huawei, Solis, Deye, Atmoce, Sigenergy, Sungrow, INVT, SolarEdge or Enphase hardware, Solar ESS holds it to the same install standard, live on each maker's own monitoring platform.

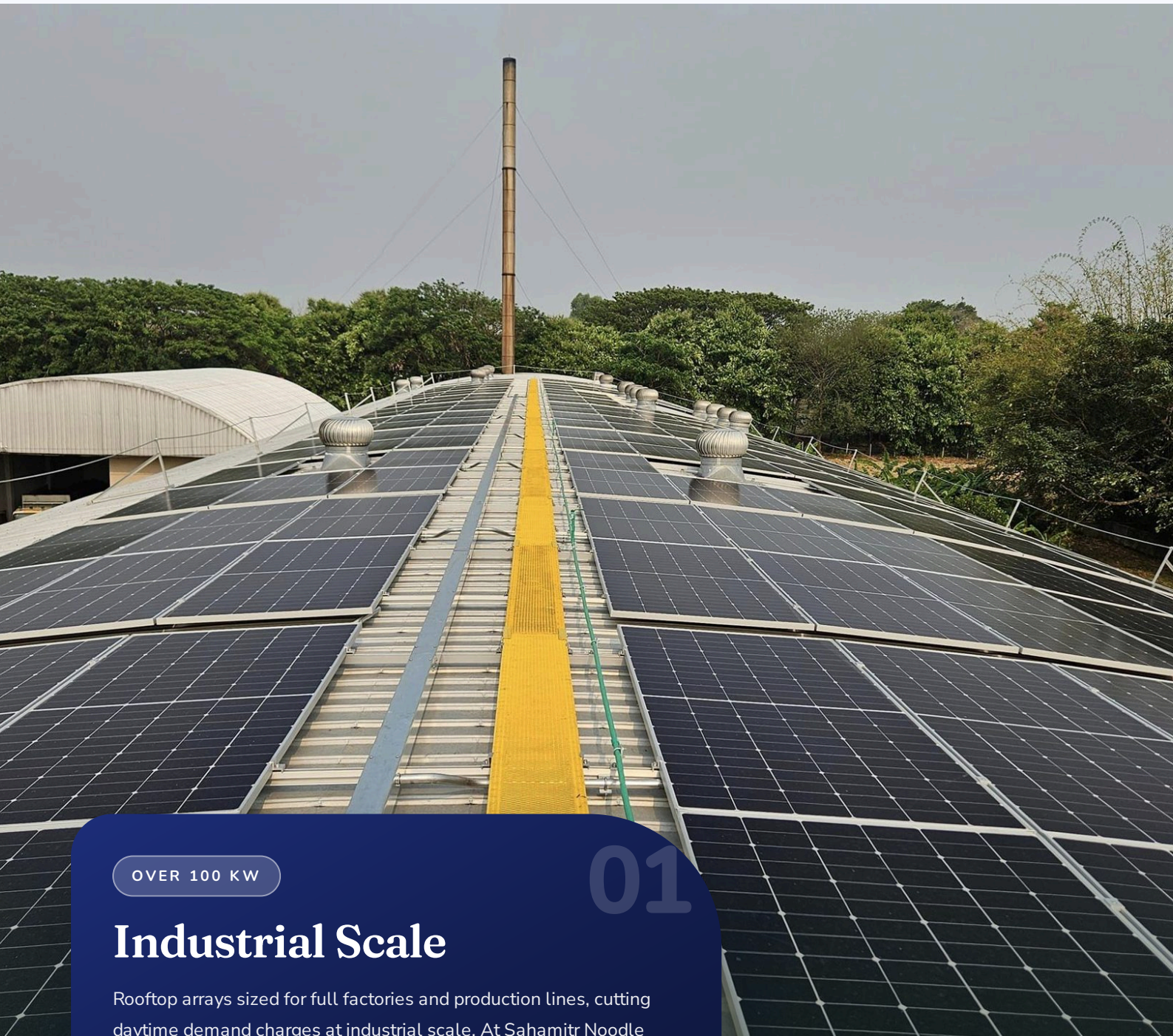
Top Lifetime Performer

A 20 kWp Solis system at Kai Maklong, Samut Songkhram has generated over 41 MWh since January 2025 — verified, ongoing output.

Round-the-Clock Oversight

Every platform reports back in real time, giving Solar ESS and each site owner the same live view of performance, day and night.

Plant counts updated September 2026. Capacity, energy and online figures for Huawei, Solis, Deye and Atmoce are scaled in proportion to the updated plant counts from the 16 September 2026 platform snapshots. DeyeCloud's and Enphase's capacity totals weren't available and are omitted rather than estimated; Huawei's, SolarEdge's and Atmoce's figures use rated/peak power as a proxy, and Atmoce's yield reflects its past 7 days, not lifetime, so it's excluded from the lifetime-generation total.



OVER 100 KW

01

Industrial Scale

Rooftop arrays sized for full factories and production lines, cutting daytime demand charges at industrial scale. At Sahamitr Noodle Factory, a 117 kWp rooftop array runs above the production line, backed by industrial-grade inverter rooms built for continuous duty.

117 kWp

Rooftop array above the production line

REFERENCE SITE

 **Sahamitr Noodle Factory**



20–100+ KW

02

Resorts & Large Residences

Systems for hotels, resorts and large private homes, where usage is high but self-consumption still makes the numbers work — installed and maintained across shaded, multi-angle rooftops that a standard residential crew wouldn't take on.

20–100+

kW systems for hospitality & large estates

REFERENCE SITE

 Rayawadee Resort



5-15 kW

03

Residential Scale

Home systems paired with battery storage, built to cover a household's own use first and lean on the grid least — from carport-mounted arrays to full rooftop coverage, with the electrical work walked through side-by-side with the homeowner.

5-15 kW

Home systems with battery storage

REFERENCE SITE

● KP House



FULLY INDEPENDENT

Off-Grid

For sites determined to leave the grid entirely — battery capacity and generation sized to carry the whole load, year-round, with a compact ground-mount footprint suited to remote, rural compounds.

04

100%

Of the load carried off-grid, year-round

REFERENCE SITE

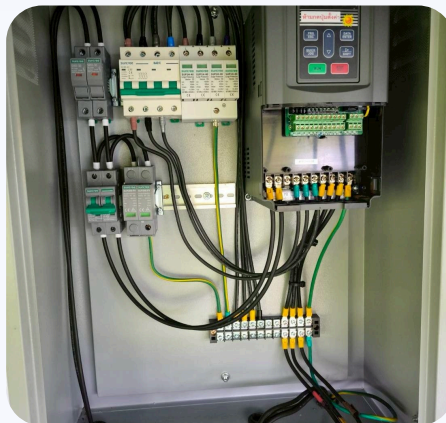
● Akao Cafe, Chiang Rai



05 · AGRICULTURE

Agriculture-Based Solar Applications

Site surveys map the distance and altitude change across the terrain between two points, the data used to size a solar-powered pump capable of moving water from source to destination — powering homes, outbuildings and irrigation on working farmland, off the main grid.



SITE SURVEY —

Distance + elevation =
the right pump, sized
to solar.



On-Farm Power

Rooftop and ground-mount arrays sized to run homes, storage sheds and equipment on-site.



Groundwater & Irrigation

Paired with ESS DEE Solar's pump systems to run irrigation and groundwater pumping off solar.



Village Water Supply

Solar-driven piped-water systems extending reliable water access to farm communities.



05 — LEADERSHIP

A core team built to cover every part of the build.



Behind each regional office sits its own team of installers, based in and connected to that region — putting a local crew within reach of every project, wherever in Thailand it's built.

INDUSTRY ALLIANCE

Thailand Solar Installer Alliance (TSIA)

Solar ESS is part of TSIA, a network of independent Thai solar installers built around shared training, technical standards and project support.



06 — AFFILIATED NETWORK

One shared vision, growing across Thailand.

Solar ESS's reach extends through an affiliated network of independent solar businesses. Each was built by a team with hands-on Solar ESS experience, now promoting solar energy in its own home region under the same vision and values.



SEVEN PARTNERS · ONE SHARED MISSION

Solar ESS sits in the network as an equal partner, not apart from it — every member shares the same training, technical standards and warranty terms, and can call on the others for support wherever a project takes them in Thailand.



SOLAR ESS

06 — AFFILIATED NETWORK

● CHONBURI

ESS DEE Solar

With 15 years installing mostly 300–1,000 kW sites, ESS DEE Solar connects over 30 installation teams across Thailand and contributes a significant share of Solar ESS's overall operation.

15 yrs

Installing large sites

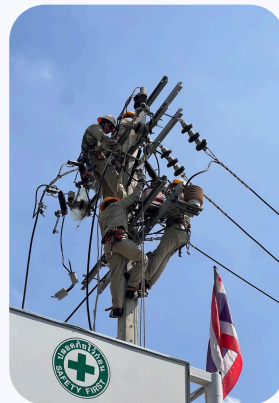
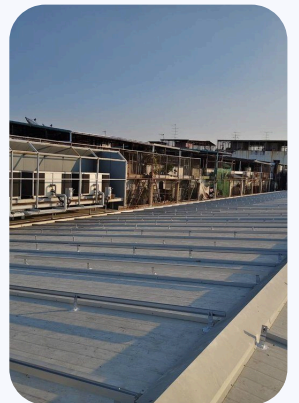
300–1,000 kW

Typical site size

30+

Installation teams

PROJECT GALLERY





SAP Group

Based in Phuket, SAP Group has driven much of Solar ESS's design and technical support work, focusing on knowledge-sharing that helps its customers become fully energy self-sufficient.

Design

& technical support hub

Knowledge

Sharing with every customer

Self-sufficient

The end goal for each home

PROJECT GALLERY





● BANGKOK

Bangkok Solar ESS

Recently established in Bangkok, Bangkok Solar ESS extends the company's mission to central Thailand while incubating young electricians, having installed up to 30 projects across the region.

Up to 30

Projects installed

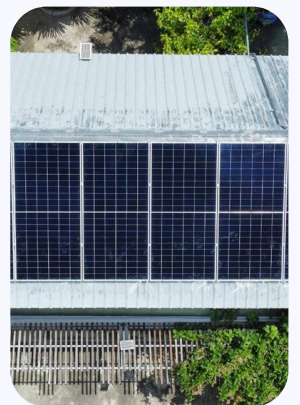
Central

Thailand coverage

Next-gen

Incubating young electricians

PROJECT GALLERY





● KRABI

Krabi Solar ESS

A key driver in promoting solar energy across the islands of Krabi, Krabi Solar ESS has also advocated for reducing environmental waste within its local community.

Islands

Across Krabi

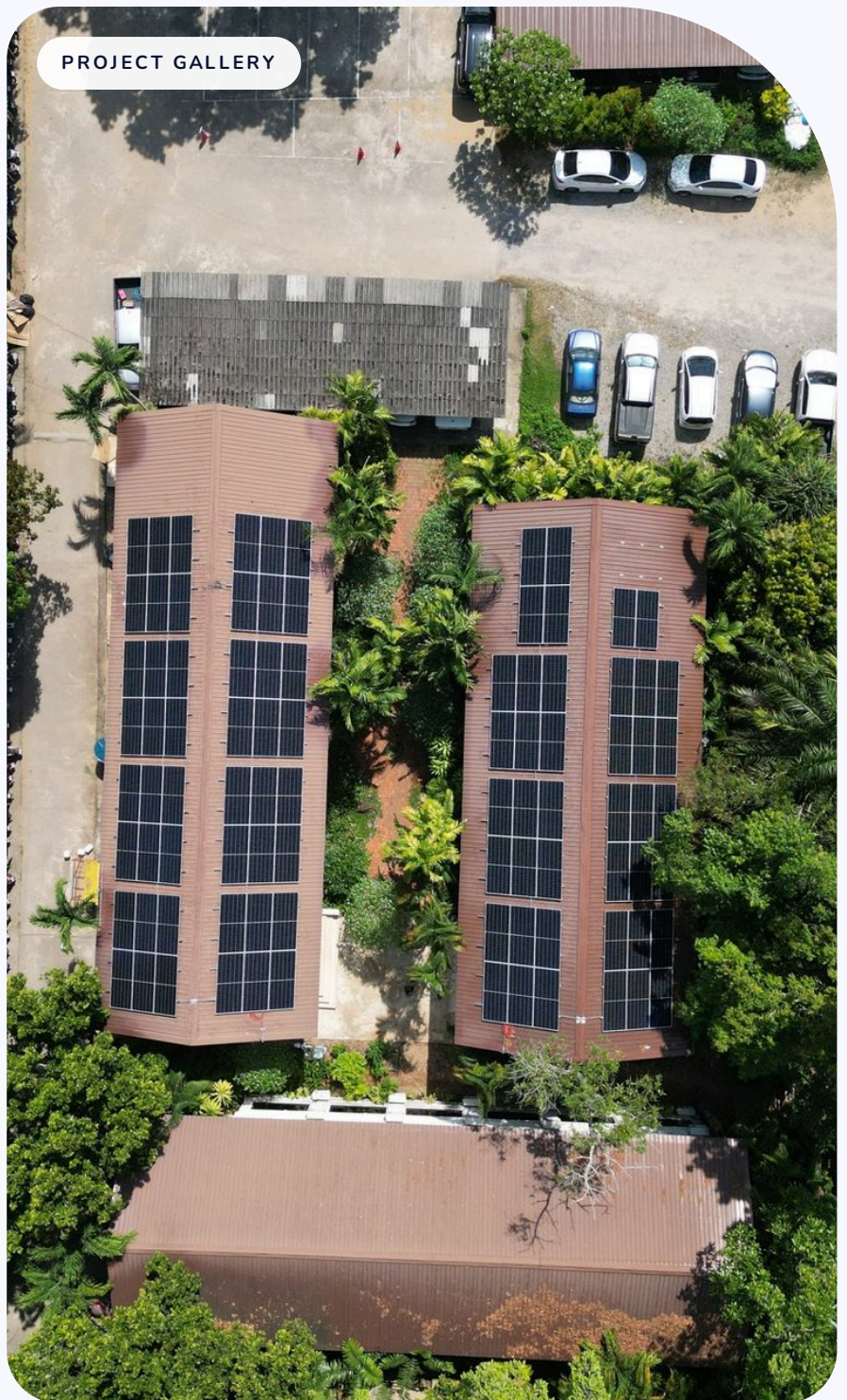
Solar

Promotion & installation

Community

Advocating waste reduction

PROJECT GALLERY





SOLAR ESS

07 — CONTACT

Let's put your roof to work.

Tell us about your home, business or farm — we'll size a system that fits.



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