COMPANY PROFILE / 2026

SOLAR PV · ESS · OPERATIONAL SUPPORT

From homes to factories, we design energy systems and support operations.

Solar PV & ESS installation and supply,
monitoring and factory energy management.

Residential Industrial O&M Monitoring FEMS

HO CHI MINH CITY
VIETNAM

SMARTGEN

ABOUT US

Solar PV, ESS and energy management for sites across Vietnam.

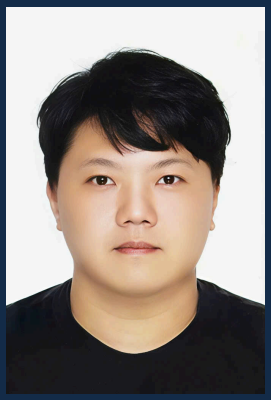
We install solar PV and energy storage systems (ESS) and supply related products.
We provide O&M monitoring and develop factory energy management systems (FEMS).

CÔNG TY TNHH SMARTGEN

Established	2025	**CEO**	LEE SEGWANG
Location	Ho Chi Minh City, Vietnam	**Enterprise code**	0319220257

For homeowners, we install solar PV and ESS and provide user guidance. For factories and commercial facilities, we supply products and provide on-site technical cooperation.

LEADERSHIP



LEE SEGWANG

CEO, SMARTGEN

World Urban Development · 2015–2023

Feasibility review and overall project development for the Jije Station Area urban development project.

Head of Bigtorage Vietnam · 2024–2026

Led the Vietnam subsidiary of a specialist in battery energy storage and energy management (BESS/EMS).

CEO, SMARTGEN · 2026–present

Leading solar PV, ESS and energy management business development.

- **Residential**
- **Industrial**
- **O&M Monitoring**
- **FEMS**

OUR CAPABILITIES

The right products, with installation and operational support.

We design systems for each site and supply products. We support installation and commissioning, and build interfaces for equipment status and maintenance work.

SYSTEM DESIGN

Systems matched to each site

We review electricity use and installation conditions, size the system, and select the solar PV, inverter and ESS combination and installation approach.

PRODUCT SUPPLY

Product supply & support

We supply POEN batteries and check voltage and communication compatibility with inverters. We support selection, installation and commissioning, with technical support after supply.

ON-SITE TECHNICAL SUPPORT

BESS technical cooperation

We joined the Long Hậu 261 kWh commercial BESS project as a specialist partner, supporting system configuration, installation management, commissioning and operations.

OPERATIONS & DATA

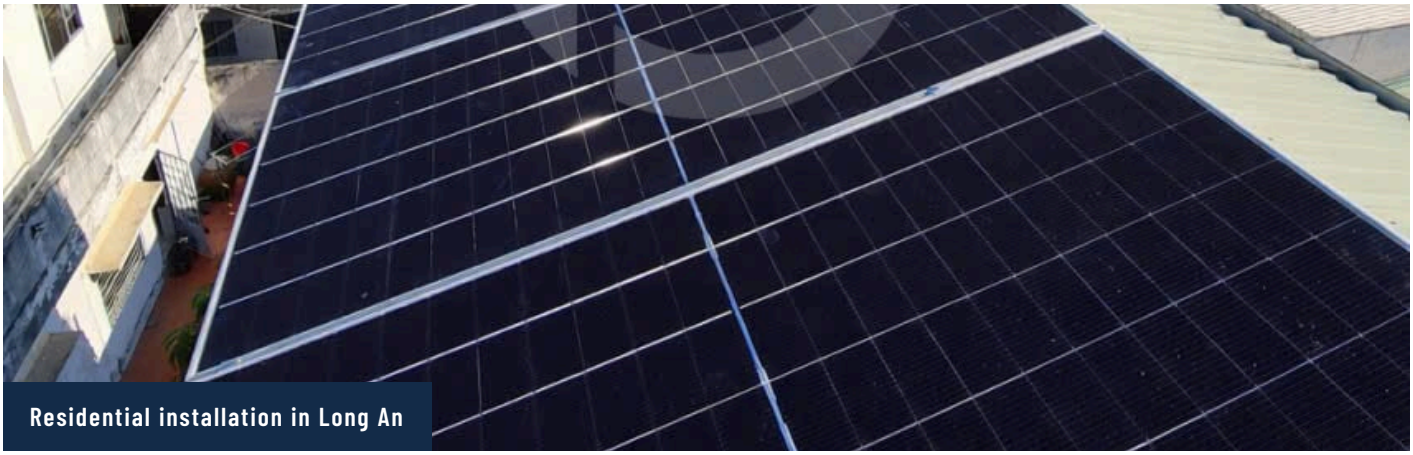
Data and service workflows

We build interfaces for operators and owners to review equipment status and maintenance history. We also develop FEMS for factory power analysis and equipment and document management.

RESIDENTIAL SOLAR PV & ESS

Energy for your home, designed around daily life.

We configure solar PV and ESS around a home's electricity use and installation conditions. We directly handle installation, commissioning and user guidance.



Residential installation in Long An

Site survey & configuration

We review electricity use and bills, inspect the roof and electrical equipment, and check space for batteries. System capacity and product combinations follow the loads to be supplied.

Installation & commissioning

We install and configure products, check system operation during commissioning, and explain how to use the system.

User guidance & technical support

We answer questions about use and settings after installation, and provide a technical support contact for inspection needs.

RESIDENTIAL PROJECT

Long An · Residential solar PV & ESS

Solar PV **5.58kWp** · Hybrid inverter **6kW** · LFP ESS

BATTERY SUPPLY

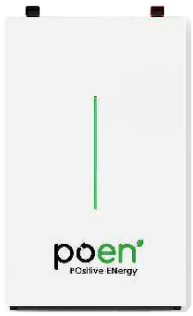
Products and configurations, backed by technical support.

We supply POEN batteries to EPC contractors, installers and distribution partners. We check inverter compatibility and support installation and commissioning.



POEN Rack

5.12 kWh



POEN 51200

10.24 kWh



POEN 51314

16.07 kWh

Rated energy (kWh)

POEN BATTERIES

BATTERY SUPPLY

As a POEN ESS distributor in southern Vietnam, we supply batteries selected for the required capacity and installation format, with after-sales technical support.

Product range	We supply the rack-mounted POEN Rack 5.12kWh and Standard ECO 51200 and 51314, selecting products for the required capacity and installation format.
Compatibility review	We check battery and inverter voltage and current compatibility, together with BMS communication and firmware.
Technical support	We advise on product configuration, check installation and settings, and provide technical support for on-site commissioning.

INDUSTRIAL SOLAR PV & ESS SUPPLY

Energy solutions, starting on the factory roof.

We supply integrated solar modules, inverters and ESS for factories and commercial facilities. We review configurations for each site and provide installation and commissioning support.

SYSTEM CONCEPT



1 Solar panels
Convert sunlight into direct-current (DC) electricity.

2 Solar inverter
Converts DC to alternating current (AC) and feeds the switchboard.

3 Battery system (ESS)
Connects to the switchboard to store and supply electricity.

CONNECTIONS

Solar panels → Inverter → Switchboard → Factory loads
ESS ↔ Switchboard

Industrial solar PV

We review the roof condition and electricity use pattern, then select solar modules and inverters for the installation environment.

Integrated product & system supply

We check compatibility across modules, inverters and ESS before supply, and provide technical support for installation, configuration and commissioning.

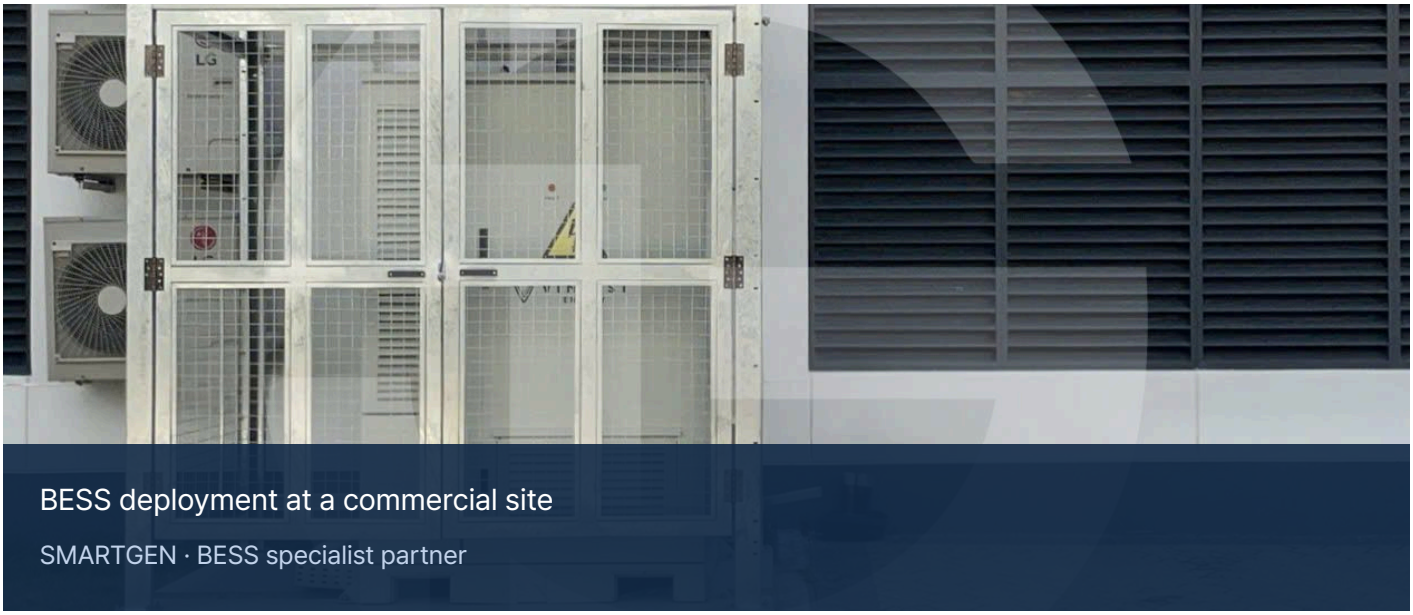
Solar PV & ESS integration

We review solar-only and solar-plus-ESS configurations, selecting an integration approach around electricity use times and installation conditions.

INDUSTRIAL ESS SOLUTIONS

Store electricity, use it when needed.

We review electricity use and time-of-use tariffs to size ESS energy and power capacity and charging/discharging conditions. Technical support spans configuration, installation management, commissioning and operations.



BESS deployment at a commercial site

SMARTGEN · BESS specialist partner

261 kWh BESS

Long Hậu project participation

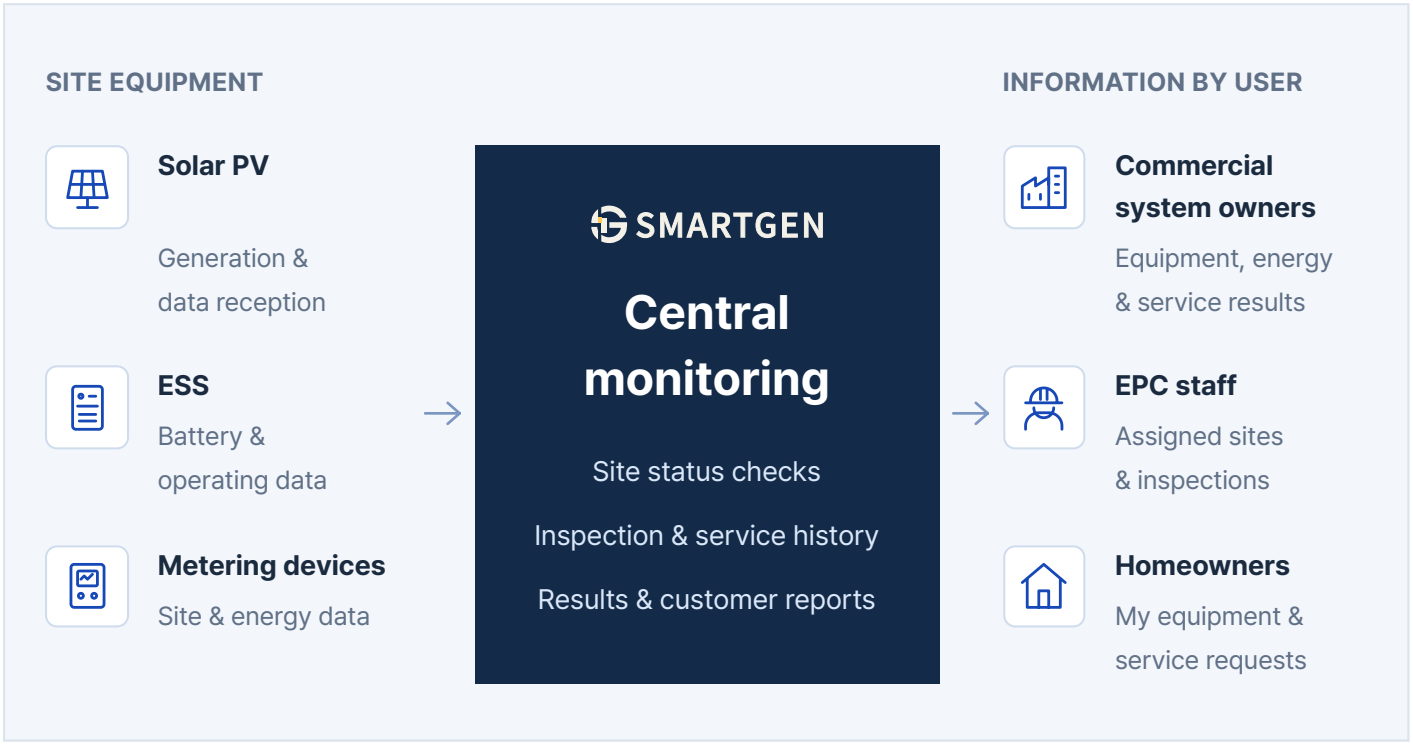
We participated as a specialist partner in a commercial BESS project at the expanded Long Hậu Industrial Park.

Configuration & installation	We reviewed the BESS configuration for the site and contributed to installation management and technical support.
Commissioning & operations	We supported commissioning and operational readiness after installation, and reviewed site-specific operating conditions.

CENTRALIZED O&M MONITORING

Multiple sites, one place to check their status.

Monitor solar PV and ESS status and data reception in one place. Our O&M service manages inspection requests, staff actions and result reporting.



Central overview

Compare equipment status and data reception across sites. Select a site to review its details.

Solar PV & ESS details

Review generation, electricity use and battery data. The last reception time shows when the data was received.

Service history & reports

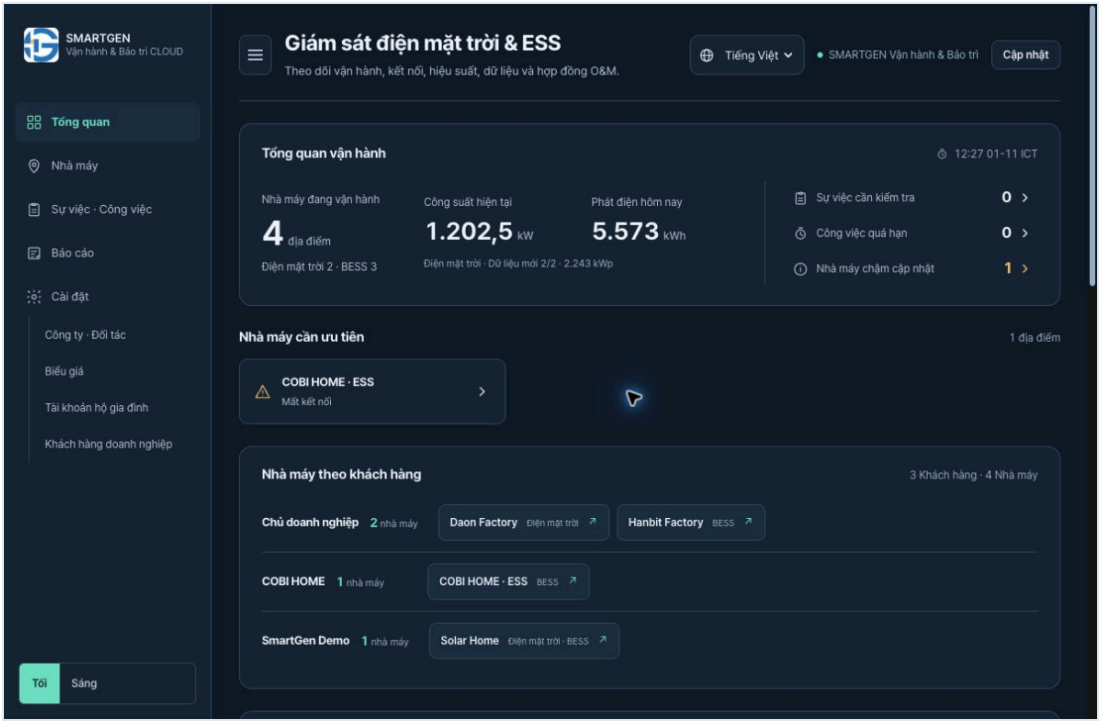
Check the person responsible and progress of each inspection request. Record service history and share reviewed results in customer reports.

Operator and owner portals, a clear view of each site.

Operators review generation across sites, while owners view their own energy and battery data.

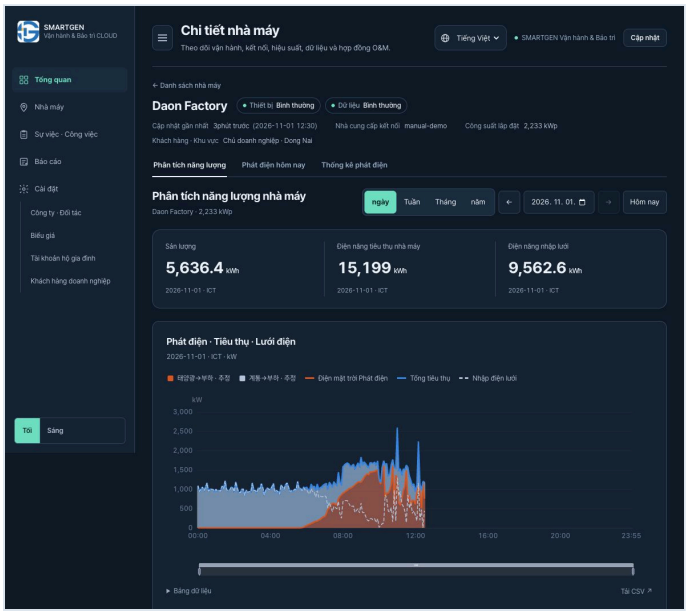
Operator portal · Overview

Compare site status and data reception to identify which sites to check first.



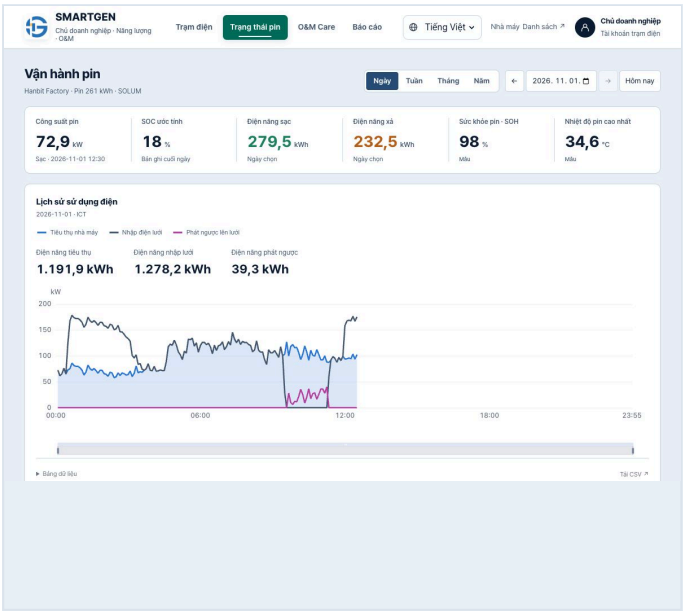
Operator portal · Site details

Review generation, electricity consumption and grid import trends for the selected site.



Owner portal · Battery monitoring

Owners can check their electricity use, battery power and state of charge (SOC).



RESIDENTIAL MONITORING

Home energy and service, in the palm of your hand.

A residential service for checking solar generation and battery status, submitting inspection requests and reviewing service results in one place.

ENERGY & EQUIPMENT

Check generation, batteries and equipment status.

View power flows between solar PV, batteries, your home and the grid. Check device status and alerts.



Residential mobile home

SERVICE REQUESTS & HISTORY

Track the progress and results of your request.

Submit a service request and track the assigned staff member's progress. Review inspection results and follow up with further questions.

From service request to results

01 Customer request

Enter a title and describe what needs to be checked.

02 Staff action

Check the assigned staff member and visit or inspection progress.

03 Review results

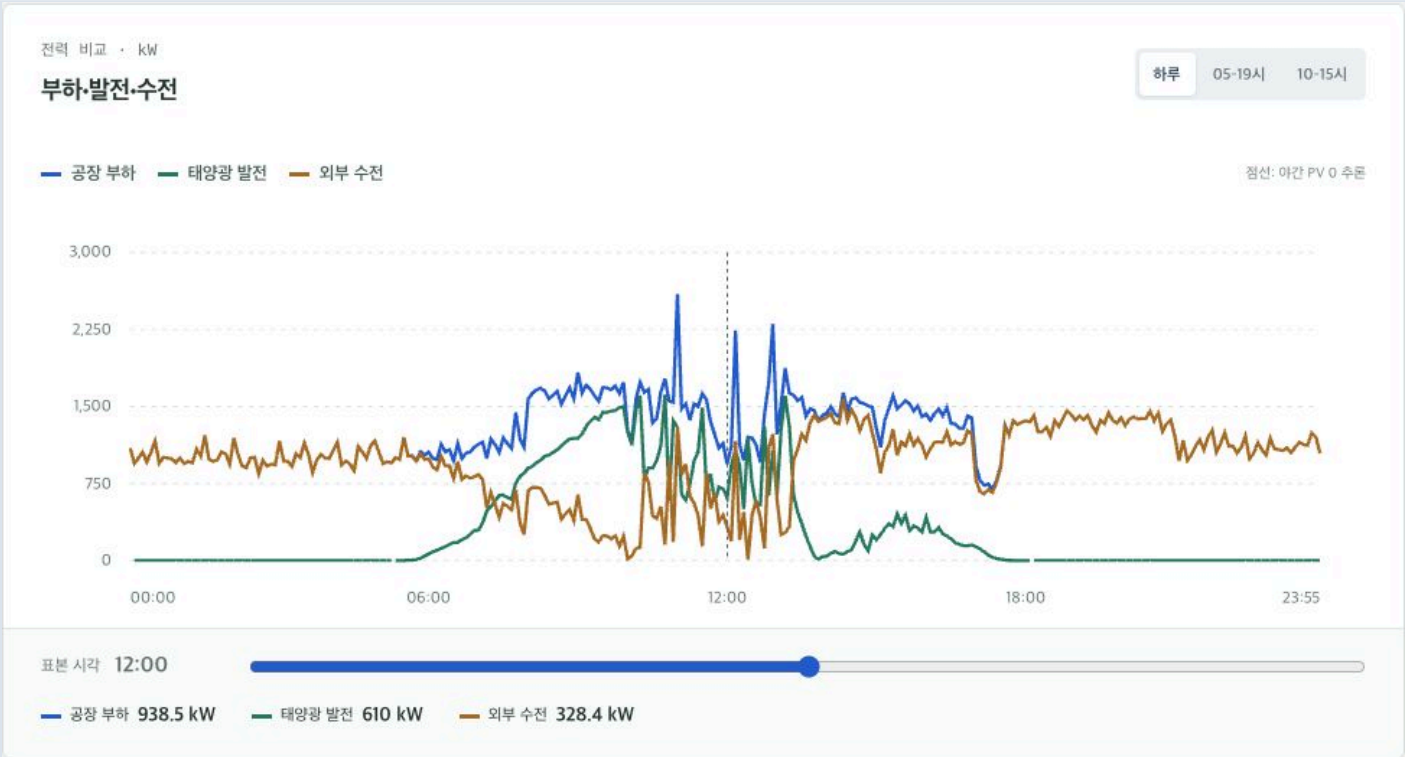
Review the inspection results shared by staff. Send a follow-up question if further checks are needed.

FACTORY POWER ANALYSIS

In development

Understand factory electricity use across the day.

We are developing FEMS to analyze factory electricity use patterns, solar generation and self-consumption.



Electricity consumption and supply by time of day

Power use patterns

Analyze electricity use by time of day and per unit of production. Check for electricity use while equipment is stopped.

Supply and consumption

Separate grid imports from on-site solar generation and self-consumption. Compare electricity supplied to the factory with its consumption.

Metering data quality

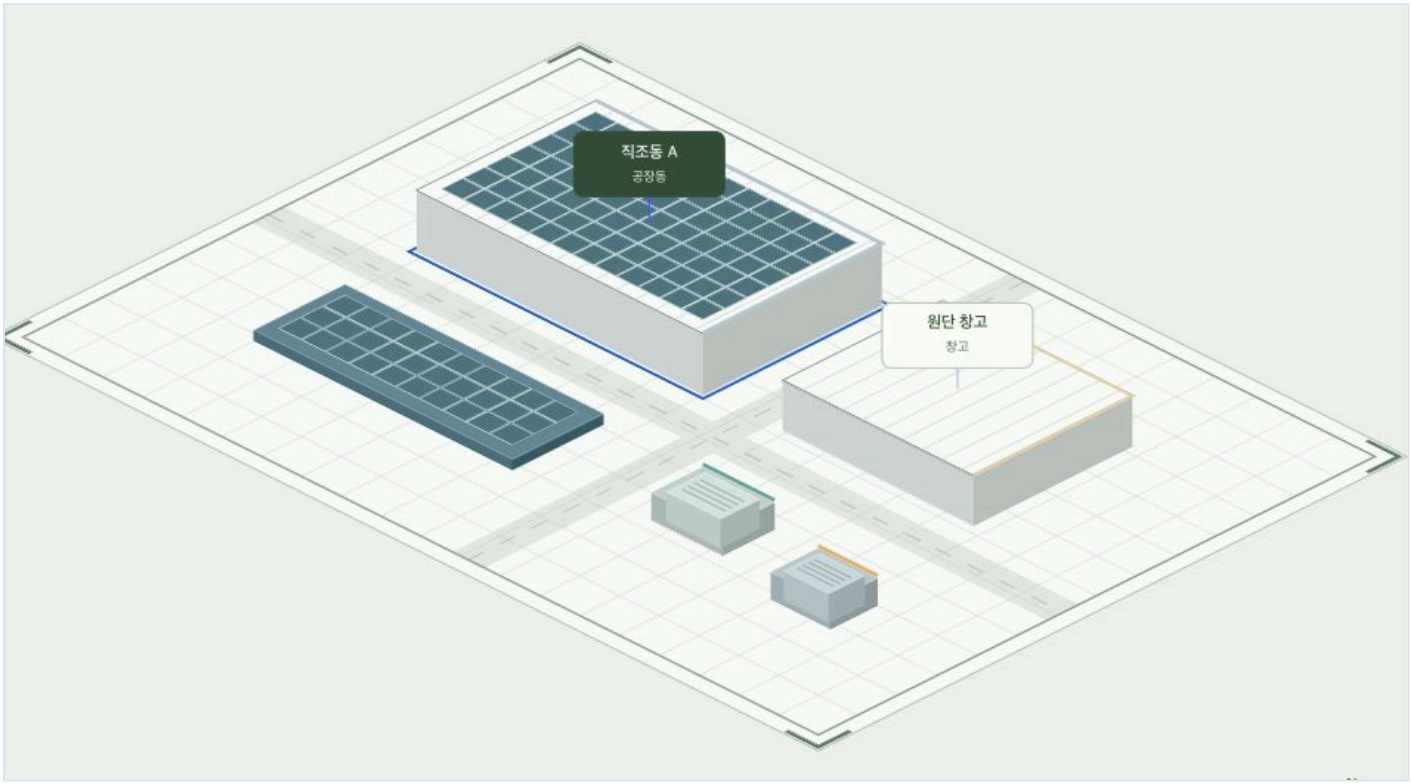
Identify missing, duplicate and estimated metering intervals. Review data reception to assess the data used for analysis and reporting.

FACTORY EQUIPMENT & DOCUMENTS

In development

Equipment, power data and records, managed together.

We are developing FEMS that links equipment and metering points to the factory layout, with related documents and review history.



Equipment layout and metering connections

01 Factory layout and equipment

Locate buildings and equipment on the layout. Select equipment to view linked metering points and documents.

02 Equipment-to-meter links

Review power data from metering points alongside linked equipment. Connect layout information with power analysis results.

03 Document review and revisions

Assign reviewers and deadlines, and record required revisions. Retain earlier document versions and review history when documents change.

04 Report evidence and history

Keep source documents, figures and review results with each report. Revisit past reports and the materials used to prepare them.

PROJECT DELIVERY & SUPPORT

From site survey to supply, installation and operational support.

We assess electricity use and installation conditions to select equipment. We supply products, carry out site work and continue with user guidance and technical support.

01 Site survey

We review electricity use and tariffs, inspect the roof, electrical equipment and installation space, and assess suitable solar PV and ESS configurations.

02 Configuration & selection

We select solar modules, inverters and batteries, check voltage and communication compatibility, and review operating conditions.

03 Installation & commissioning support

For homes, we directly install, configure and commission products. For industrial sites, we supply products and support installation management and commissioning.

04 User guidance & technical support

We explain how to use equipment and provide technical support during operation. Monitoring screens show equipment status and the progress of inspection requests.

Services by business area

Direct residential installation	We install solar PV, inverters and ESS, then provide commissioning and user guidance.
Product & integrated supply	We supply solar modules, inverters and batteries, with product selection and compatibility support.
O&M Monitoring	We provide operator and customer portals for equipment status, inspection requests, service history and result reports.
FEMS development	We develop factory power analysis and equipment, metering point and document management functions.

LET'S TALK

Let's start your next project.

From homes to factories.

Tell us about the equipment or services you are considering.

support@smartgen.vn

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Thành phố Hồ Chí Minh, Việt Nam

Residential

Solar PV & ESS installation

BATTERY SUPPLY

Industrial

Solar PV for factories and commercial sites

ESS and integrated product supply

O&M Monitoring

Solar PV & ESS status monitoring

Inspection requests and service history

FEMS

Factory electricity use analysis

Equipment, metering & document technology