elekeeper Introduction

Smart Energy Management System

Smater Energy
More Profit

01

System Overview

02

Energy Management

03

Service and Ecology

04

Case

Energy solution provider that integrates software and hardware

Solution

=

IoT Platform

+

Hardware

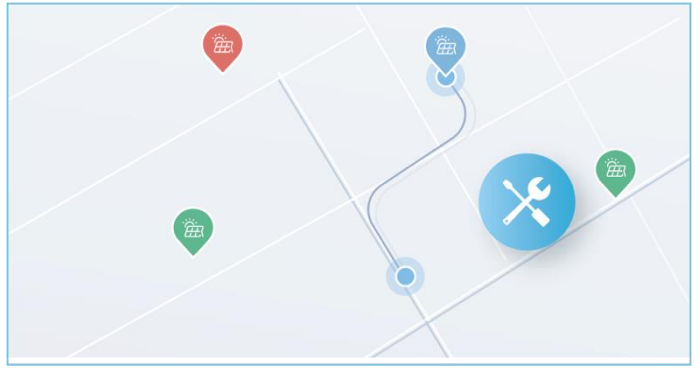
Customer Value

Make energy storage more valuable

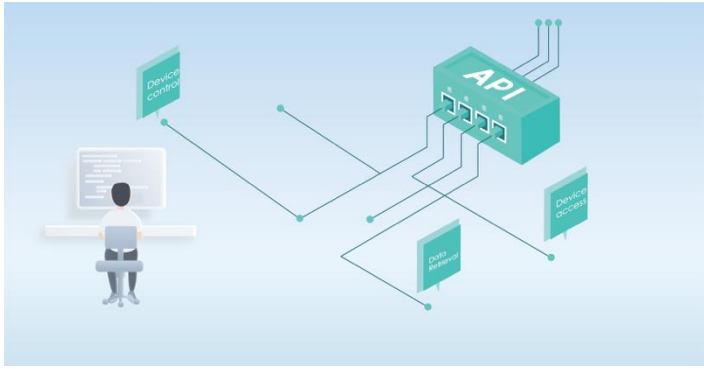
- Ultimate Experience
- AI Empowerment
- 7*24h Service
- Open ecology

All In One Scene-based energy management

Smart Energy Management



O&M Services



Open Ecosystem Collaboration

The Smart Energy Integrated Management Platform combines power plant design, energy monitoring, optimization, services and dispatch. It offers AI-based forecasting and dispatch, diagnostic analysis, monitoring of power plants and equipment, energy statistics and analysis, alarm management, and report generation. It provides efficient and high-quality energy services for residential and commercial sectors.

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Smart Home Energy Management

01 Saving More: AI Saving 20% Solution

20+%

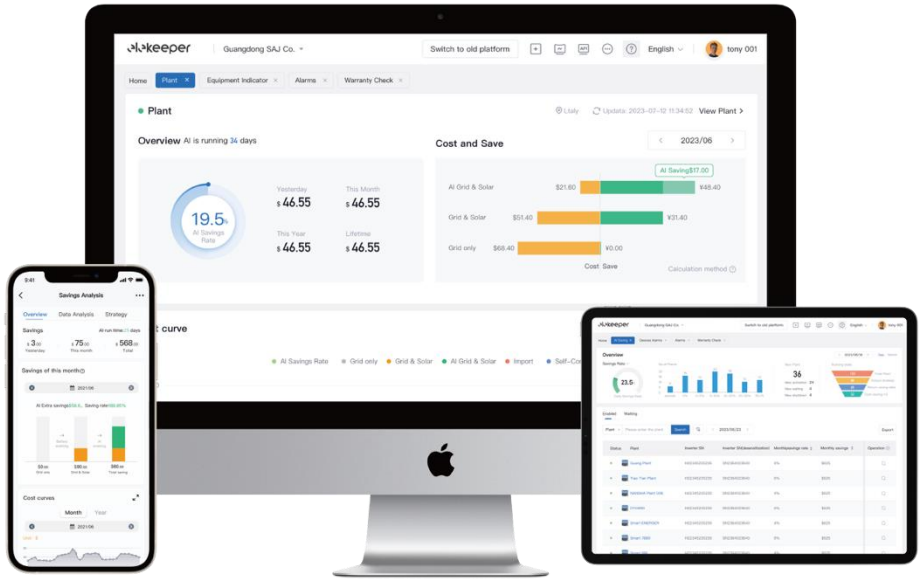
Average percentage of savings

1 Prediction accuracy of over 80%
2 Tariff spreads of €0.2 or more
3 More than 10 kWh of electricity per day
4 Installed with PV and energy storage systems
5 .....

A large amount of empirical case data

1	3	10	85+%
Economic Model	Algorithm	Core technology	Prediction accuracy

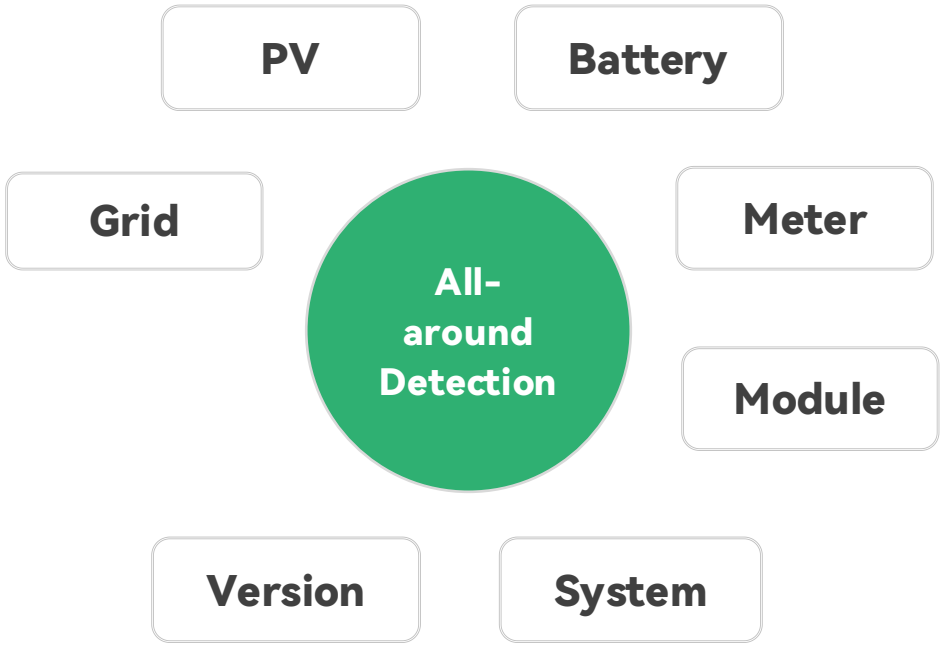
Maximizing customer revenue through AI algorithms

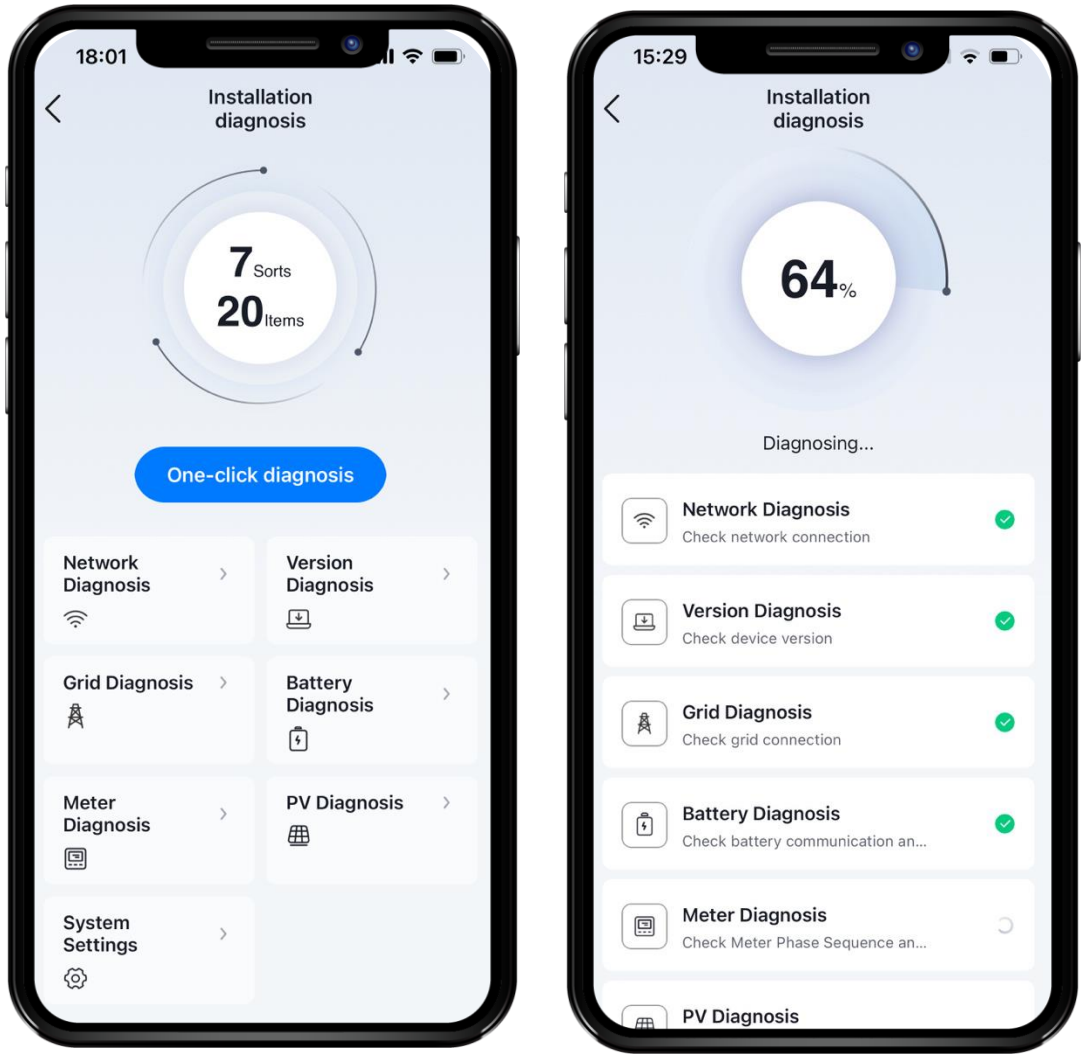


AI Saving Solution

02 More efficient: One Click Diagnostic Solution

7 major testing items: **One click operation diagnosis, on-site quick positioning of problems, assisting installers in installation and debugging, reducing debugging time and saving costs.**





03 More Aggregation: One Platform Control All

EV-Charger

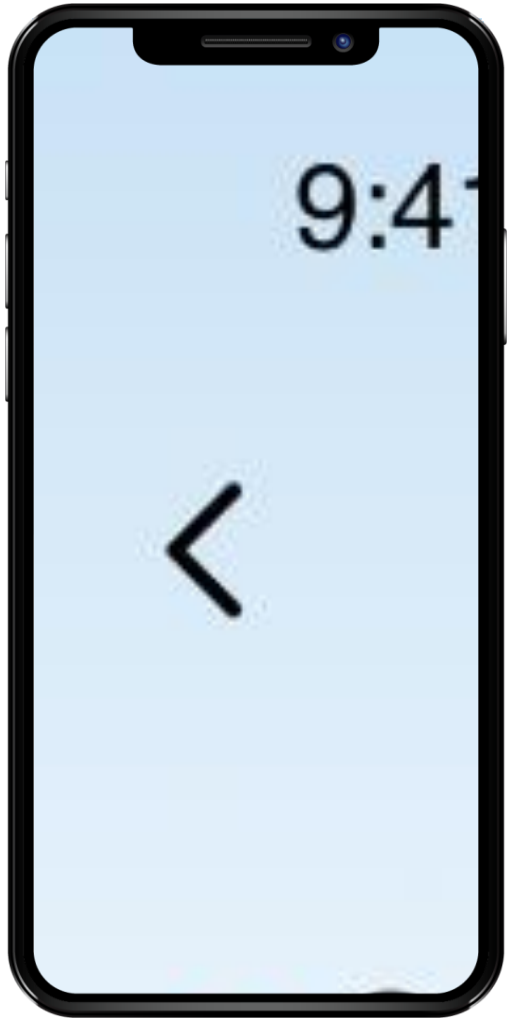
Heater

Smart socket

Unified control

Direct connection

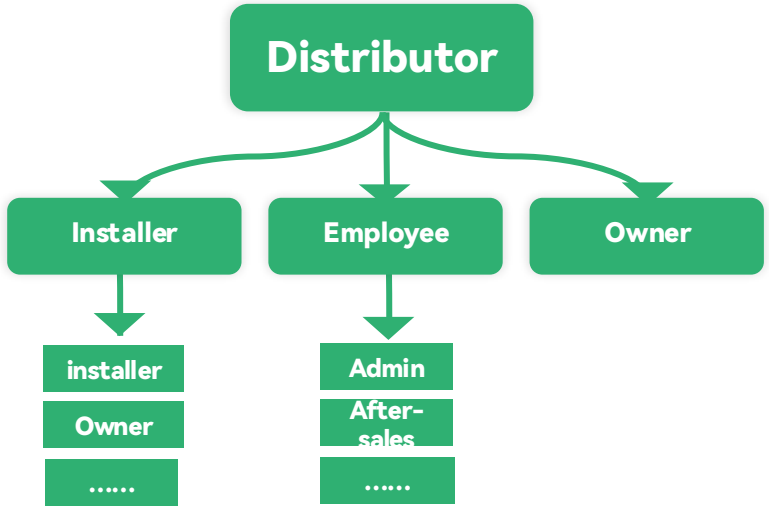
Cloud to Cloud

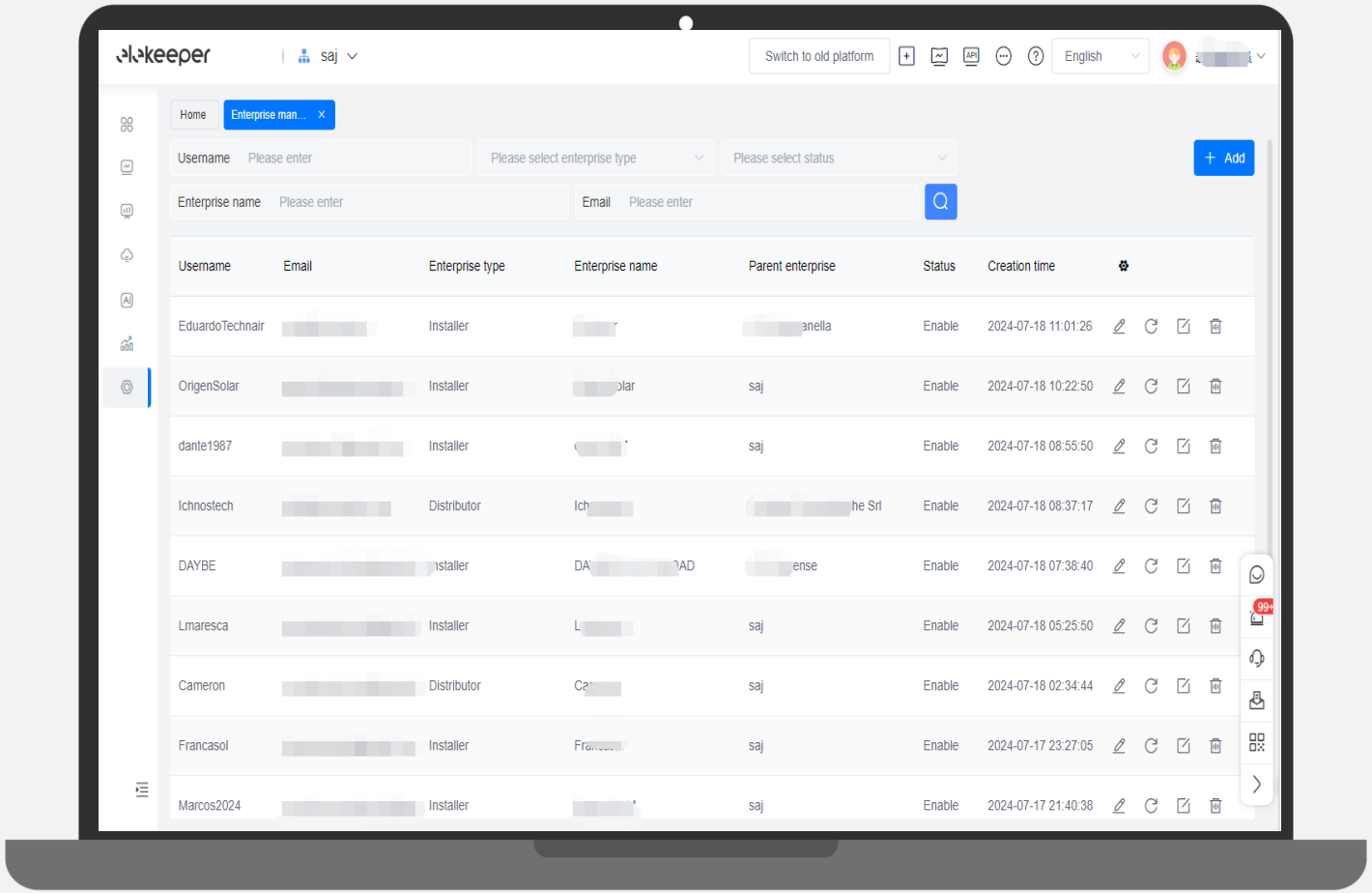


- **Excess PV:** Charging or heating when there is excess photovoltaic power.
- **Timing strategy:** Free control of self selected time.
- **Electricity pricing strategy:** Time of use electricity pricing or intelligent control of dynamic electricity pricing.

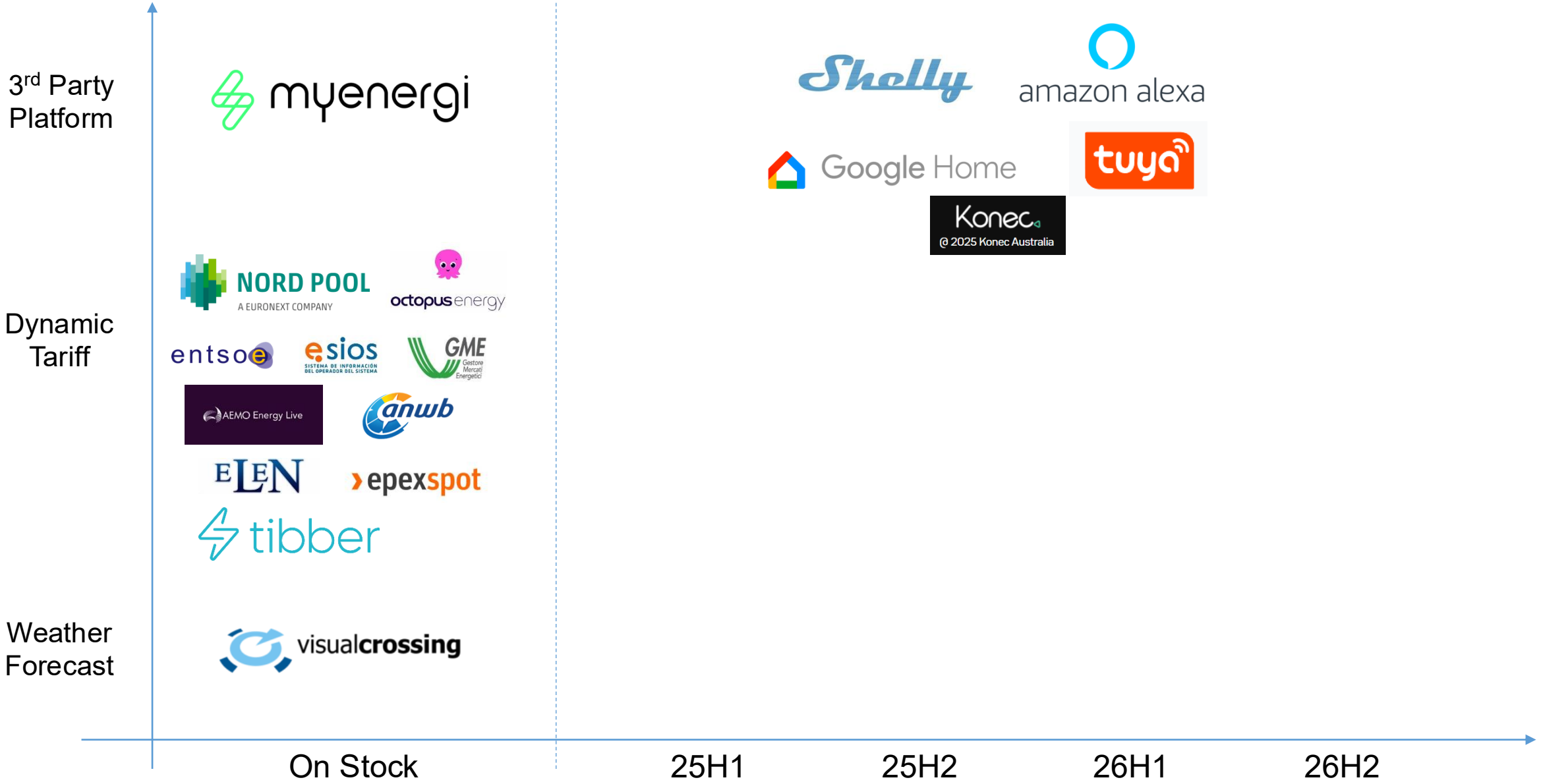
04 Easy to manage: hierarchical management and separation of data permissions

Relying on a strong organizational structure, installers, distributors, and lower level networks achieve comprehensive operation, maintenance, and monitoring on a unified platform.



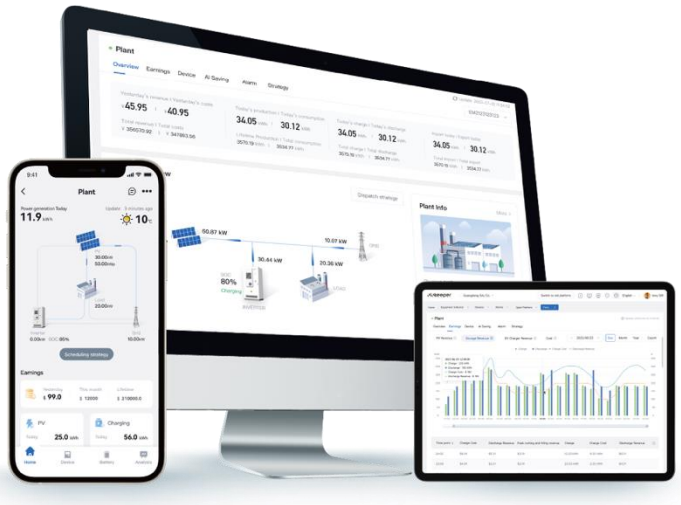


05 Road Map


3rd Party Platform
myenergi
Shelly
amazon alexa
Google Home
tuya
Konec
@ 2025 Konec Australia
Dynamic Tariff
NORD POOL
A EURONEXT COMPANY
octopus energy
entsoe
esios
SISTEMA DE INFORMACIÓN DEL OPERADOR DEL SISTEMA
GME
Gestore Mercati Energetici
AEMO Energy Live
anwb
ELEN
epexspot
tibber
Weather Forecast
visualcrossing
On Stock
25H1
25H2
26H1
26H2

Smart C&I Energy Management

01 More cost-effective: flexible configuration of multiple strategies



Platform scheduling model

- Max self-comsumption mode
- Mircro-Grid mode
- Vpp mode(frequency modulation)
- Time of use mode(Multi-Use)

Multi strategy distribution

Information Interaction

EMS

- Data acquisition
- Data forwarding
- Strategy execution
- ……

Multiple instruction issuance

Information Interaction

On-grid and storage inverter

Storage inverter

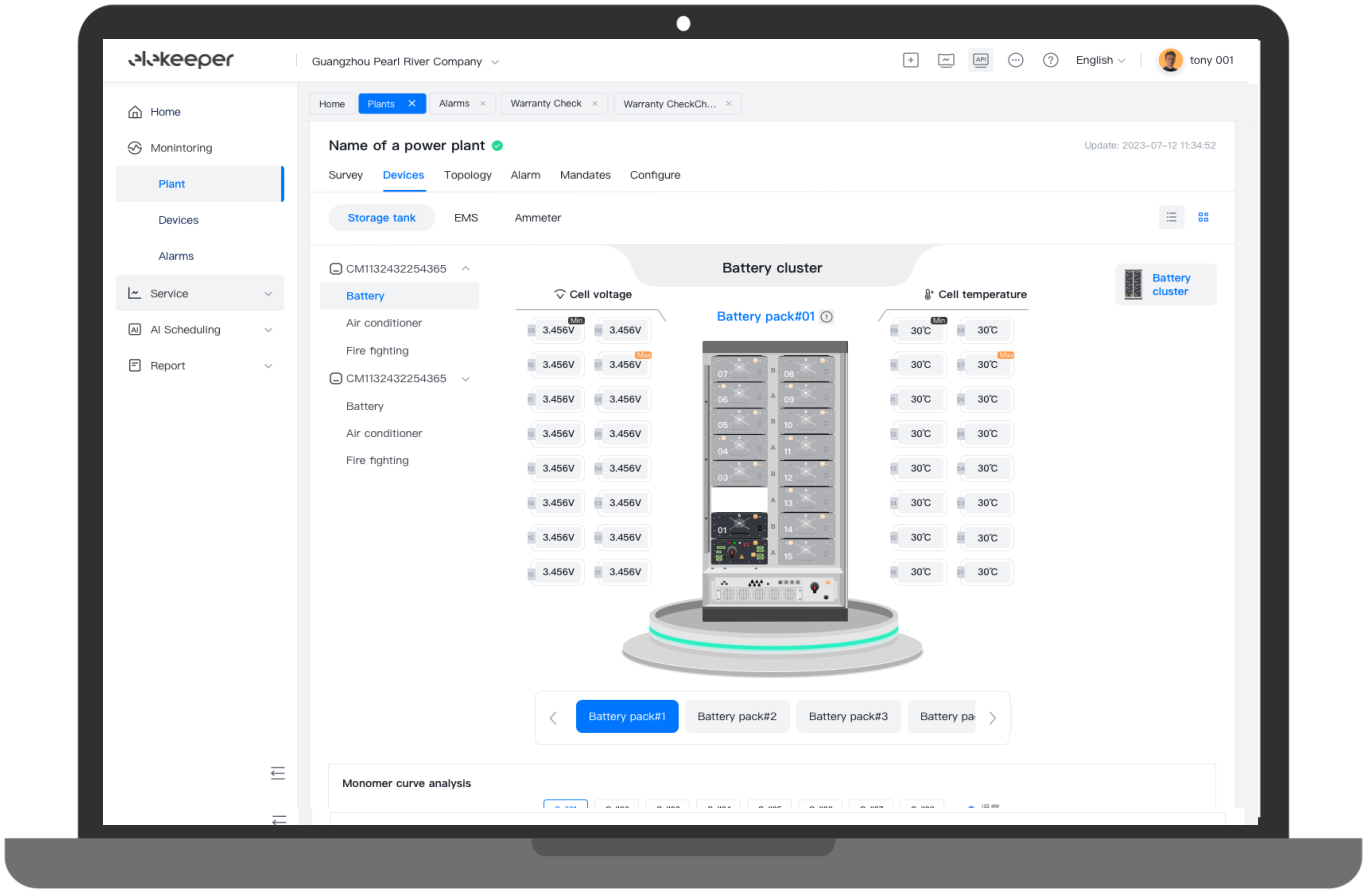
On-grid inverter

Diesel generator

……

02 Safer: Cell level monitoring

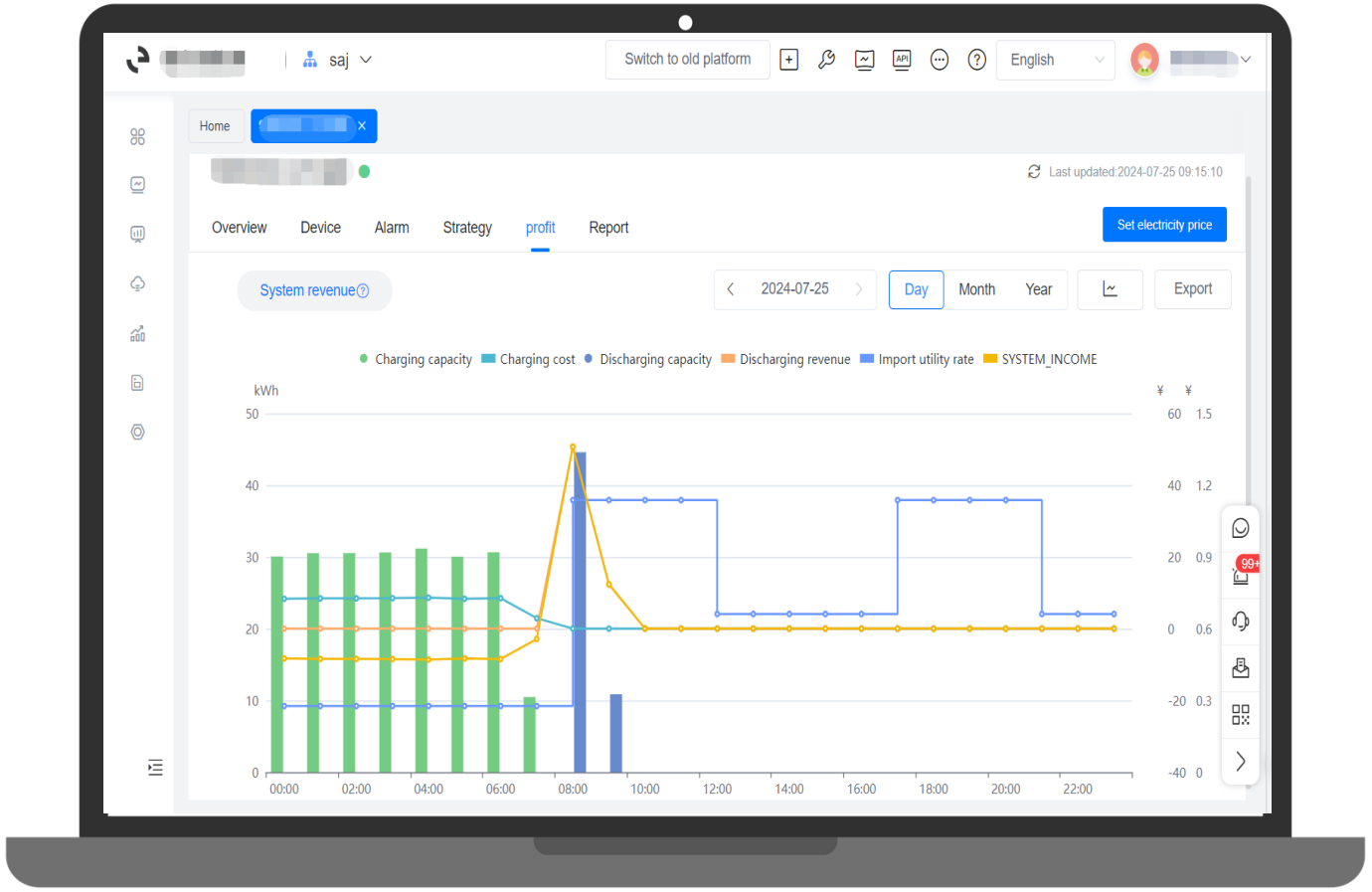
Comming soon……



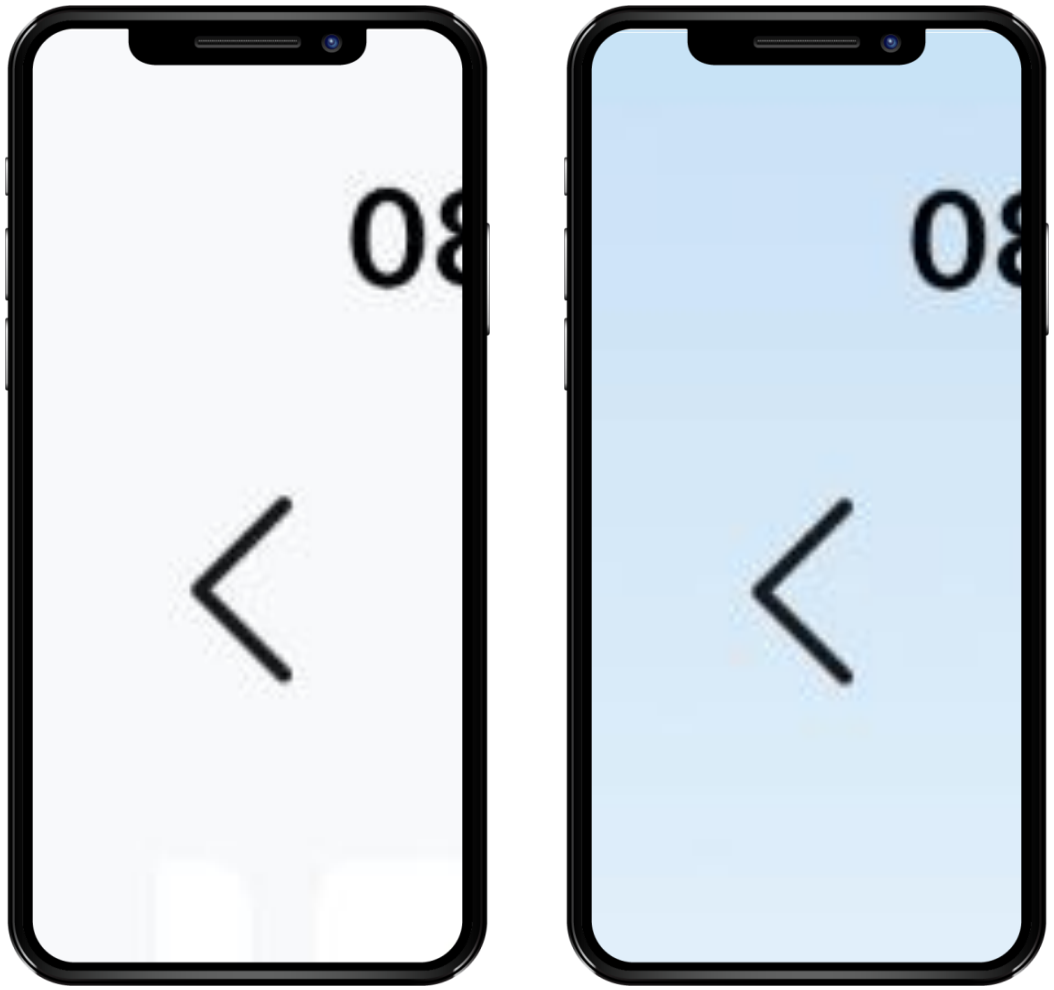
- Real time monitoring of battery status
- Air conditioning and fire monitoring
- Cluster and packet monitoring
- Cell level monitoring (cell voltage and cell temperature)
- Data chart analysis
- Abnormal push display

03 More visual: Real time viewing of profits

- Electricity price configuration, supporting fixed electricity prices, time of use electricity prices, and dynamic electricity prices
- Calculation of income from peak shaving and valley filling
- Historical revenue analysis



04 More reliable: connecting to diesel power



- Compatible with diesel engine monitoring and control
- Parameter configuration of diesel generator equipment
- Real time power and generation statistics
- Automatic switching, stable energy

What’s news

01 Brand renewal

eSAJ Home ➡ elekeeper

Home + C&I

- **Integrated**

Integration of household and commercial energy management, using only one app and web management.

- **More compliant**

The privacy agreement is voluntarily agreed upon by the user.

- **More convenient**

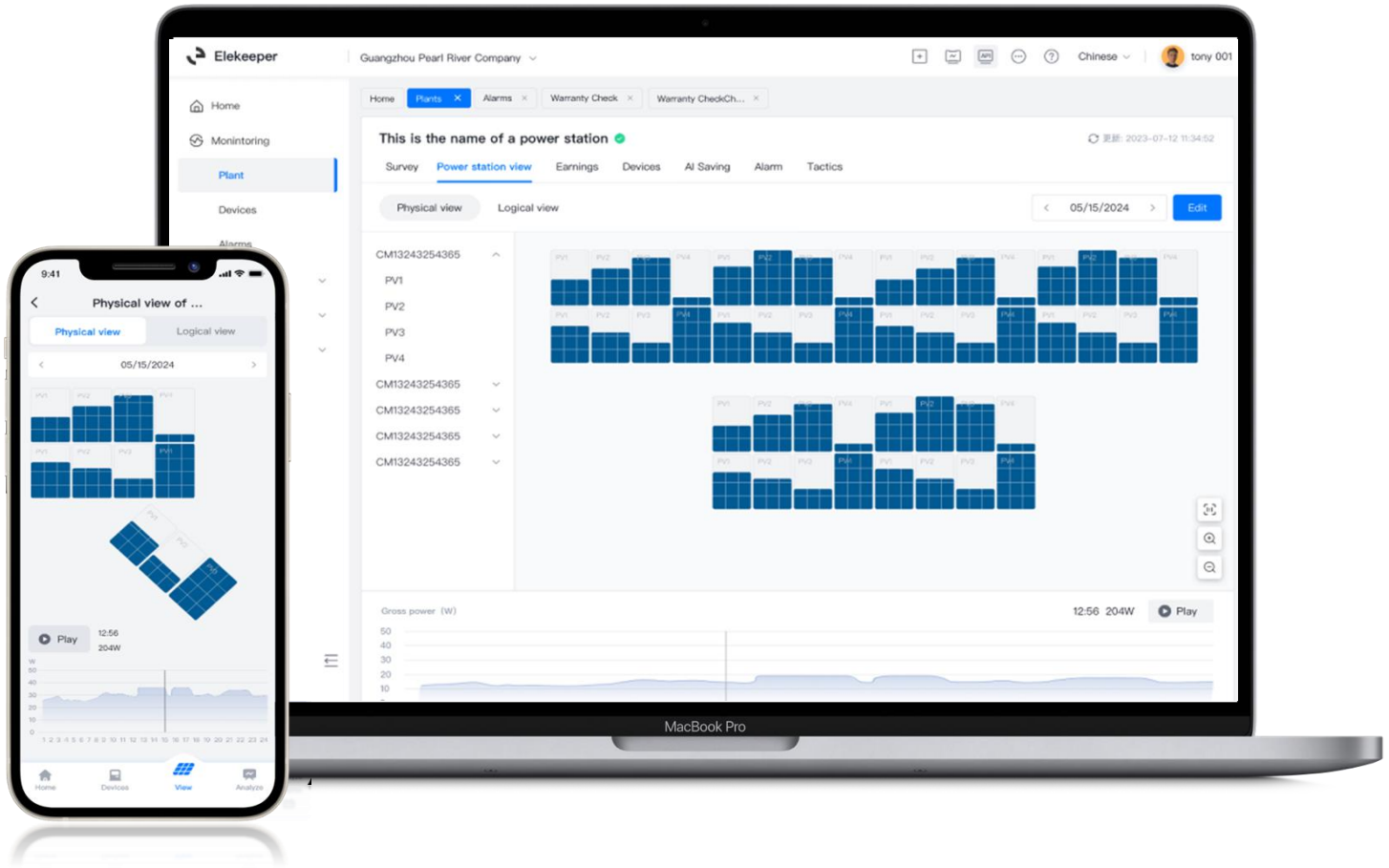
Web adds remote parameter configuration and batch parameter configuration, making it easier for installers to operate.

- **Brand customization**

Support SaaS based configuration of brand information, allowing dealers to quickly configure their own brands.

02 Plant View

- Single PV module power monitoring
- The PV component placement Angle is customized
- Power curve preview
- Inverter status display
- Digital display of real-time parameters



03 Remote control on Web

Installers can control devices on the web, making operations more convenient and efficient.

Under development (only supporting H2 and HS2, gradually opening up other models)

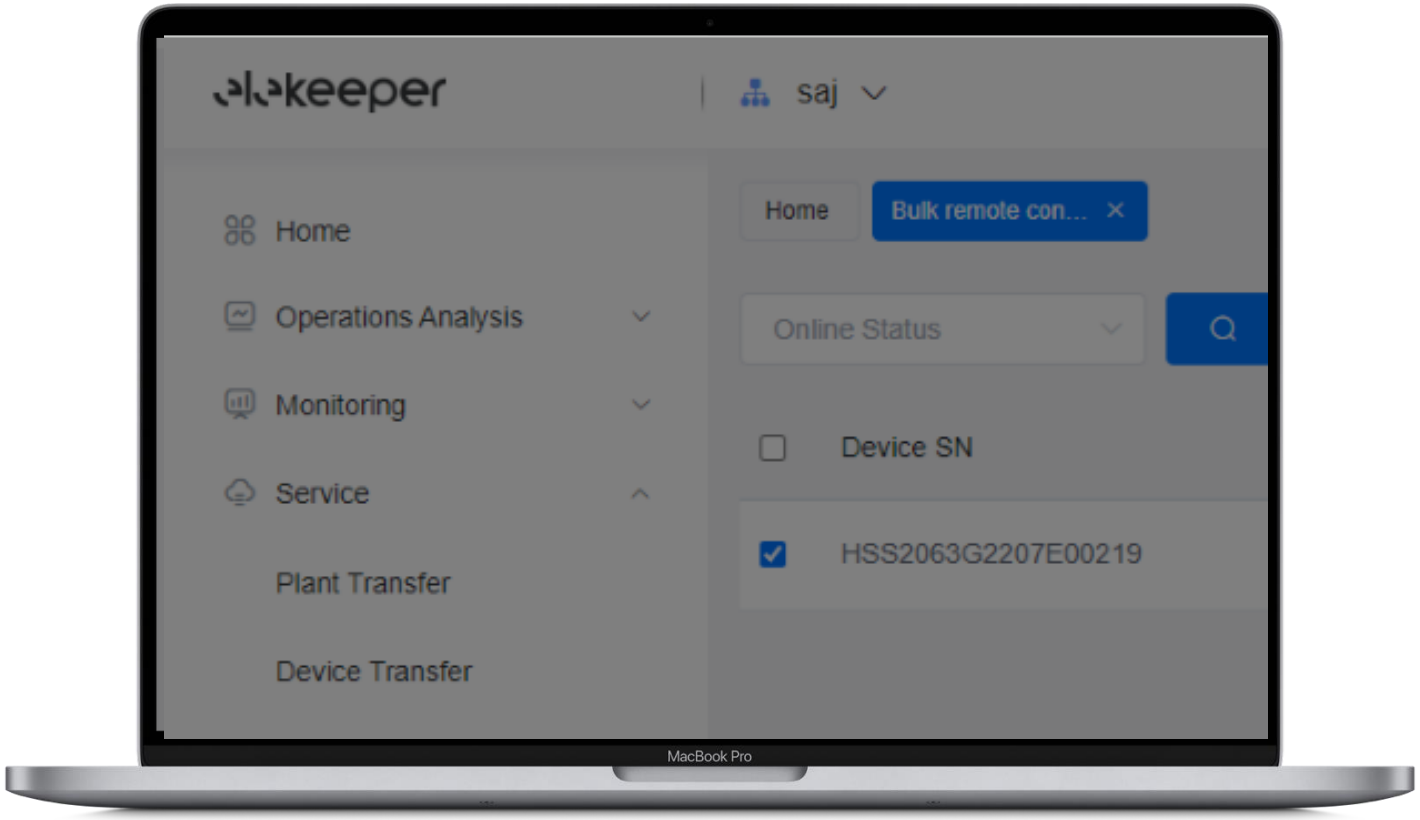
- protection parameters
- characteristic parameter
- Power regulation
- grid compliance
- working modes
- battery setting
- Export Limitation
- Testing device
- paralled setting

04 Batch parameter settings On WEB

Batch remote modification of important parameters for machines of the same type.

Batch controllable parameters

- grid compliance
- on/off
- protection parameters
- Power regulation



05 SaaS configuration for OEM

Support SaaS based configuration of brand information, allowing dealers to quickly configure their own brands.

5-step easy to setting

Domain Name

Basic

Compliance

Email

Contact

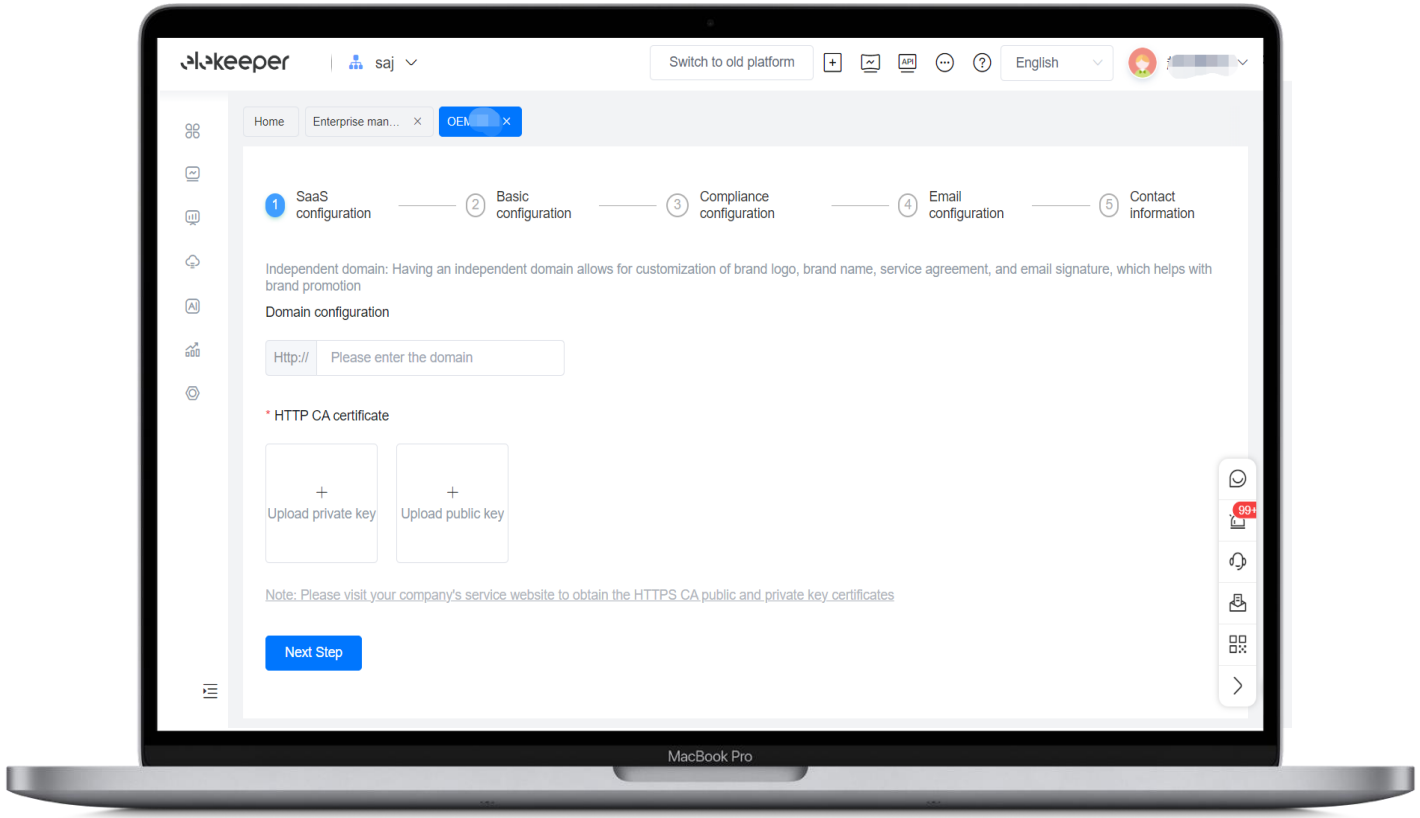
1. Brand merchants can configure independent domain names

2. Basic information such as brand name, logo, equipment image, language, etc

3. Compliance information such as privacy agreements

4. Send email SMTP and send template configuration

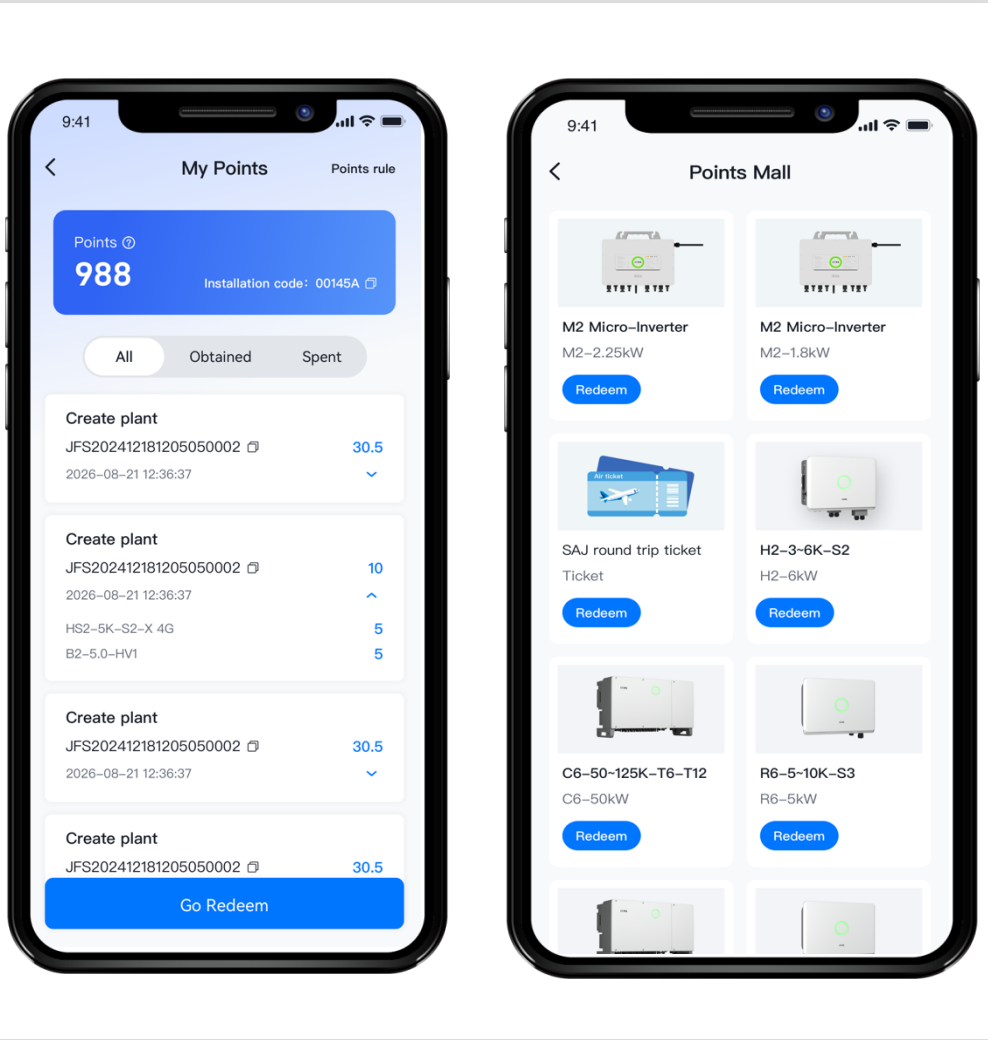
5. customizing our information



06 Points Mall

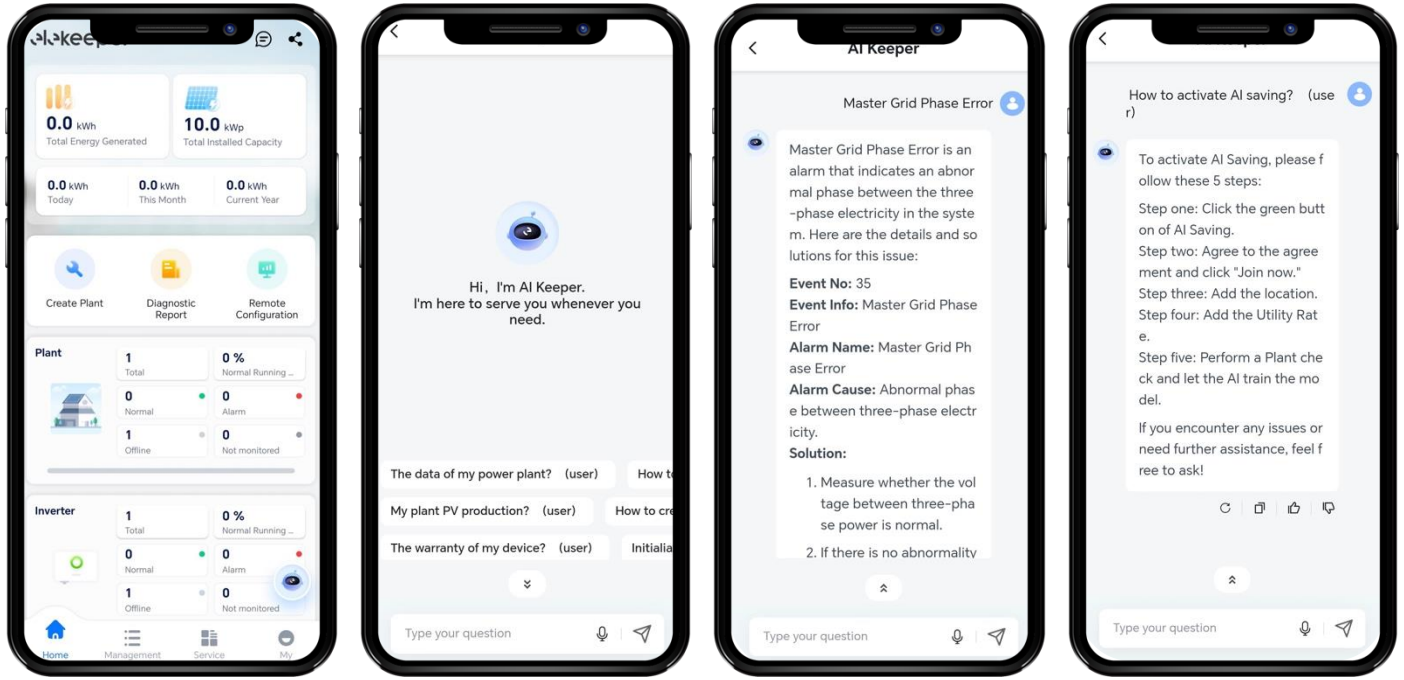
Installers can earn points after they complete the installation of device, create plant, and successfully connect the to Elekeeper.

These points can be used to exchange for SAJ production and the SAJ round trip ticket etc.



07 AI Keeper - Smart Assistant

Beta version



- **After sales assistant —— ask the issue esasy and AI will tell you the answer.**
- **Intergrate with Plant data —— ask the PV production and AI will tell you your data from your plant.**

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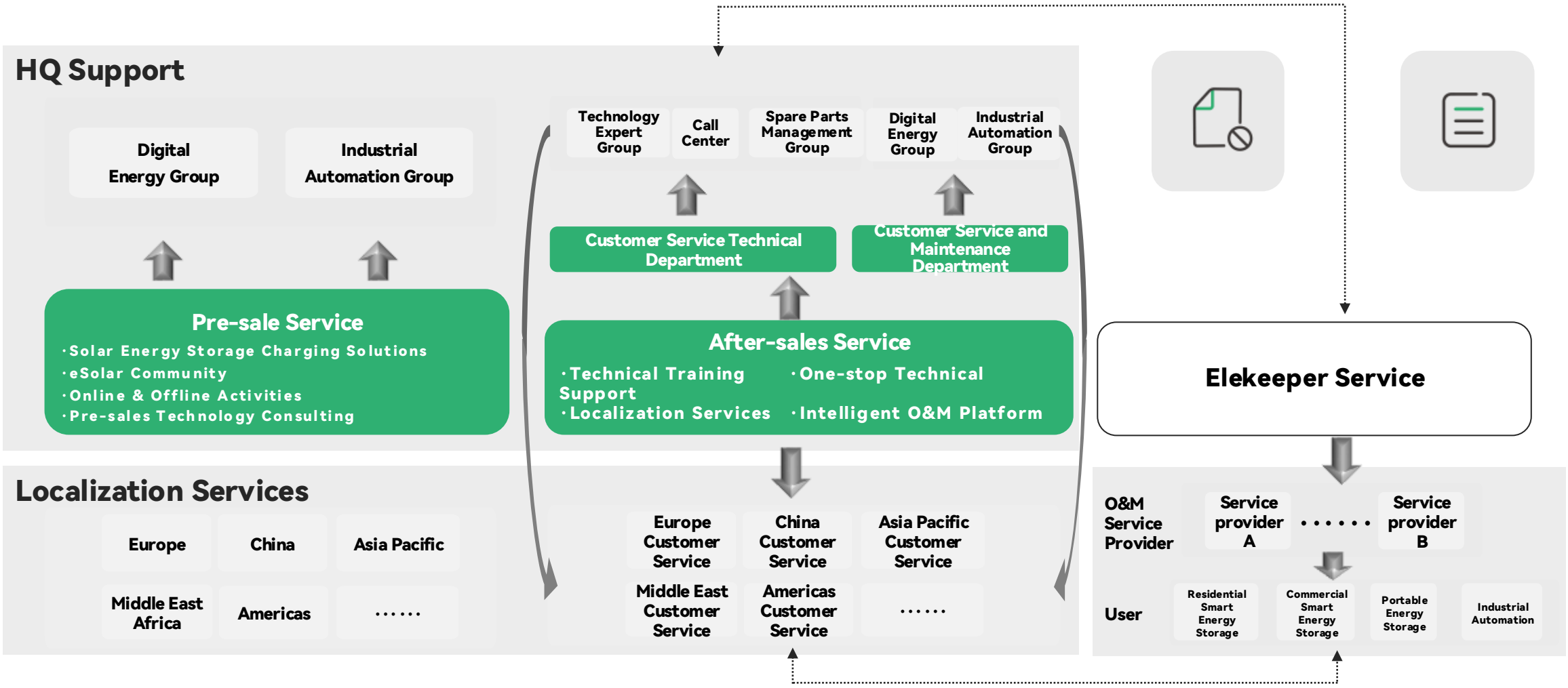
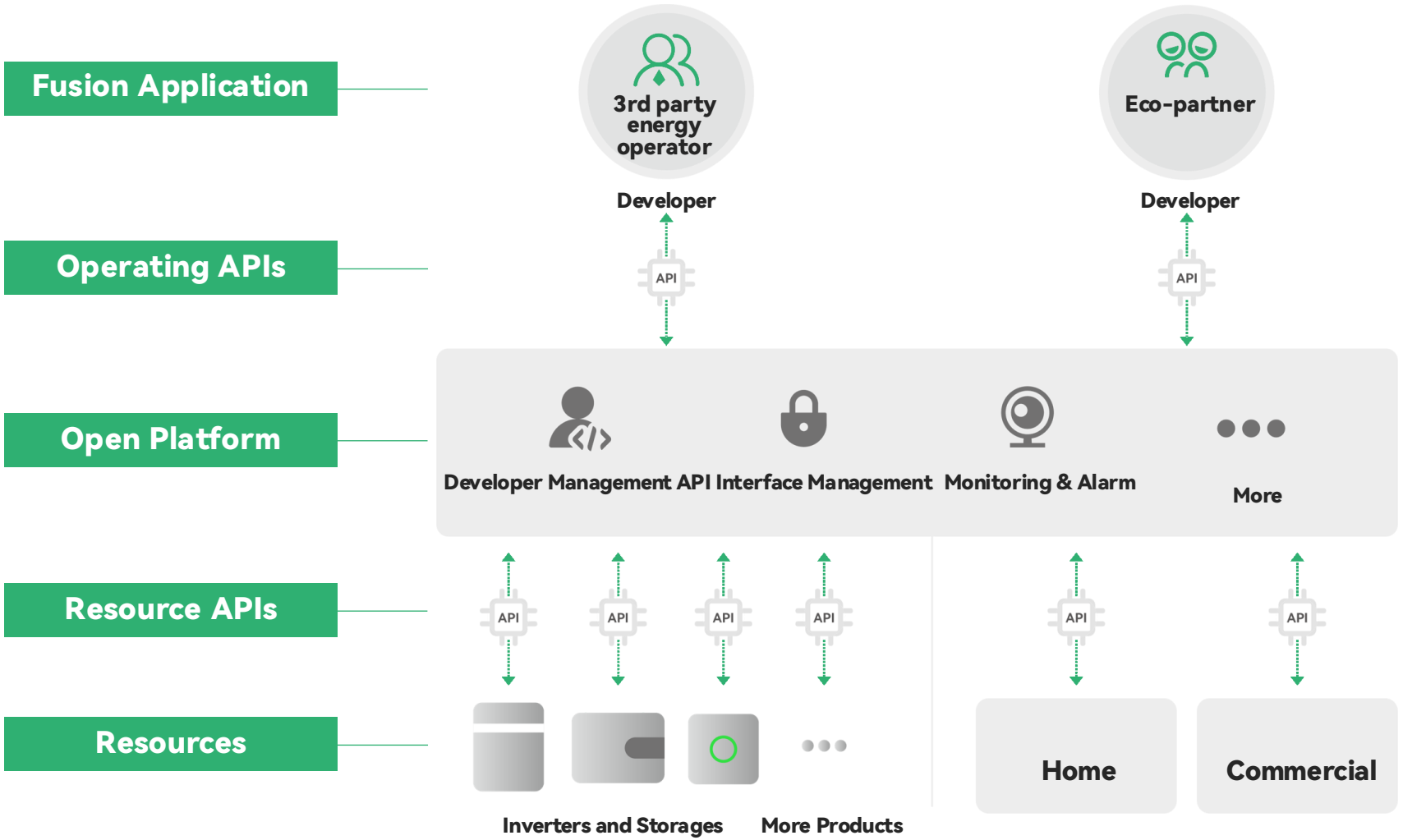
O&M Services


HQ Support
Digital Energy Group
Industrial Automation Group
Pre-sale Service
·Solar Energy Storage Charging Solutions
·eSolar Community
·Online & Offline Activities
·Pre-sales Technology Consulting
Technology Expert Group
Call Center
Spare Parts Management Group
Digital Energy Group
Industrial Automation Group
Customer Service Technical Department
Customer Service and Maintenance Department
After-sales Service
·Technical Training Support
·One-stop Technical
·Localization Services
·Intelligent O&M Platform
Elekeeper Service
Localization Services
Europe
China
Asia Pacific
Middle East Africa
Americas
.....
Europe Customer Service
China Customer Service
Asia Pacific Customer Service
Middle East Customer Service
Americas Customer Service
.....
O&M Service Provider
Service provider A
.....
Service provider B
User
Residential Smart Energy Storage
Commercial Smart Energy Storage
Portable Energy Storage
Industrial Automation

Open Ecosystem Collaboration



For Third Party Energy Operator:

We provide energy devices'access and control APIs. Energy operators can use a varieties of device interaction capabilities to build their energy operating scenarios.

For Eco-partner:

We provide APIs to access our Elekeeper and other systems. Partner can use variety of business interaction capabilities to build their own business.

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Case 1: AI Saving

6kWp	10.24kWh	25kWh	€0.3
PV system	Battery	Daily electricity consumption	Tariff difference

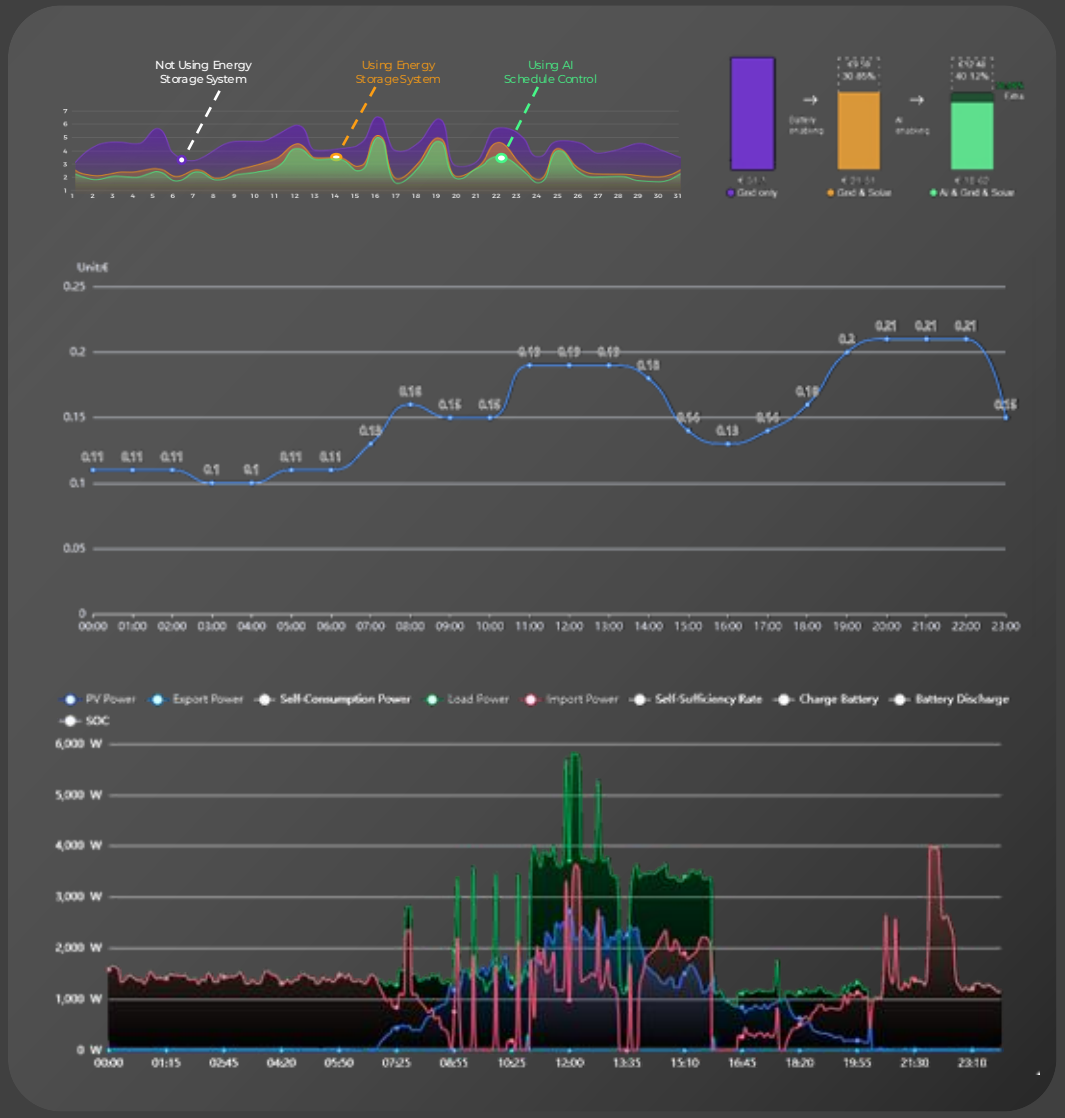
Practical examples from Italy

17.12 %

Additional savings

36 €

Average monthly savings



* Performance based on 47 days with SAJ AI saving.

Case 2: Energy cooperation

VPP: Aggregating residential PV batteries for participation

Energy Aggregators : 5+

evergen · lunar energy · POWERED BY ENEQUI · amber · FLOWER · DISCOVER ENERGY 第一能源 · CheckWatt · SVEA SOLAR · GloBird energy

Hardware solution
Local gateway of VPP

- High stability
- Quick response

Cloud to cloud solution
API

- Strong compatibility
- Rapid iteration
- Lower costs

Elekeeper Open Platform

THANK YOU

Revolutionize Energy Storage Solutions

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SAJ