AMPECO

PLATFORM OVERVIEW

All-in-one EV charging management
software under your brand

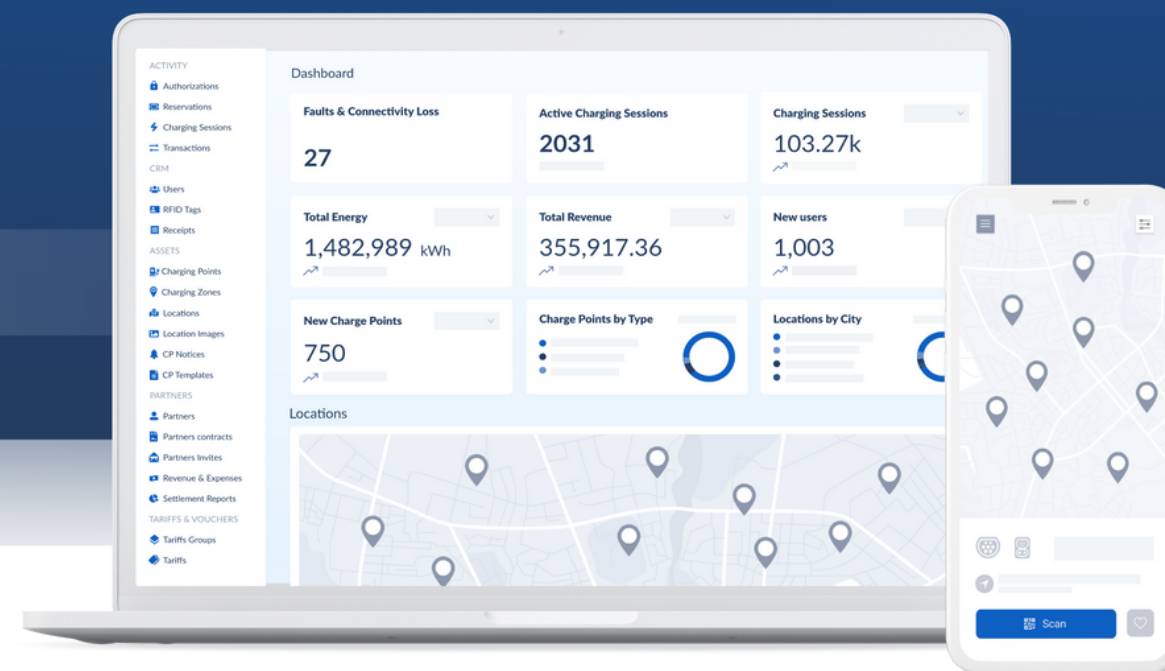www.ampeco.com

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The software platform of choice for large-scale EV charging businesses

OWN BRANDING

Establish strong brand recognition with white-label customer and partner-facing backend, web portals and mobile apps.

FULL BUSINESS OWNERSHIP

Gain complete control over your business operations, customer base, partner network and money flow.

FREEDOM TO INNOVATE

Create unique selling propositions and gain a competitive edge with unmatched flexibility and extensibility via APIs.

One platform for any EV charging use case

Efficiently manage your network of EV charging stations regardless of your business model or specific use case. Unlock endless possibilities with our comprehensive software that caters to all EV charging scenarios, including public, private, workplace, fleet, and residential charging.

Prioritize revenue growth, execute strategic business moves, and deliver exceptional customer service. Expand into new markets, accommodate more use cases, and manage an ever-growing number of charging sessions with our scalable software built to drive continuous growth.

CHARGE POINT OPERATOR

EMSP

CHARGING SERVICE PROVIDER

SINGLE-FAMILY HOMES

MULTI-UNIT DWELLINGS

WORKPLACE CHARGING

DESTINATION CHARGING

FAST CHARGING

ON STREET CHARGING

FLEET CHARGING

USE CASES

Streamline your business operations with a powerful backend platform

CHARGE POINT MANAGEMENT

Reservations & Authorizations / Transactions / OCPP - 1.5, 1.6, 2.0.1

USER MANAGEMENT

Billing & invoicing / Vouchers & Promo codes / User invites & Permissions / User groups & segmentation
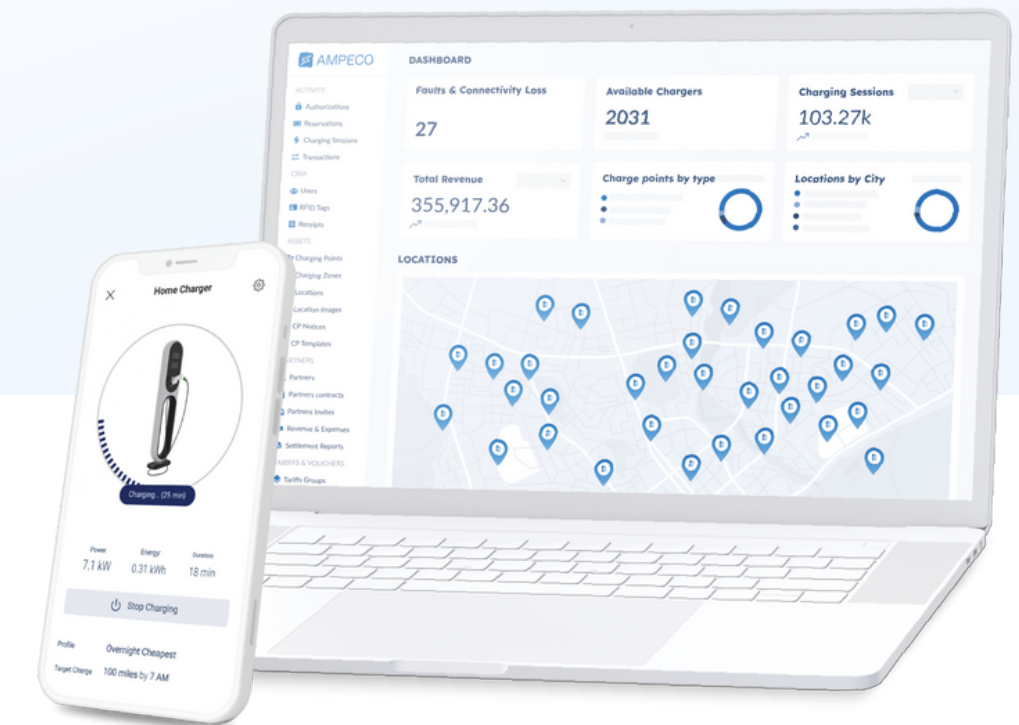
TARIFF MANAGEMENT

Comprehensive tariffs engine / Tariff rules & restrictions / Prepaid & Postpaid Subscription plans

ENERGY MANAGEMENT

Dynamic load management / Dynamic electricity prices / Demand- response / Smart Charging

B2B CLIENT MANAGEMENT

Fully branded web portal / Settlement reports / Payment collection & payouts / Revenue sharing / Electricity cost reimbursement / Assign partner roles

REPORTING AND ANALYTICS

Reporting & analytics / Aggregated dashboards / Real time and historical data exports

BUSINESS OPERATIONS

Multi taxes (VAT) / Audit log / Different admin roles

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Real-time monitoring & troubleshooting / Vendor error codes / Firmware management / Auto-recovery

PAYMENTS

Payment terminals / Payment processors / Payment providers

ROAMING

OCPI 2.2 / OCHP 1.4 / OICP 2.3

COMPLIANCE

Data security - ISO 27000 / Germany - Eichrecht / UK - EVSCP / USA - Data reporting

Build a custom mobile app or brand the AMPECO app

Position your brand as a leader in the EV charging industry by providing mobile apps for iOS and Android to your valued customers and partners.

- Benefit from comprehensive out-of-the-box functionality paired with cutting-edge design and user experience

- Give EV drivers a fully branded experience by customizing the mobile app's logos, colors, icons, and more

- Simplify operations by offering a single app that covers Home and Public EV charging use cases

- Create your own apps by leveraging our SDK or incorporate (fork) functionalities from the AMPECO app

- Rely on our extensive API, which provides access to all our functionality in an easy and well-documented way

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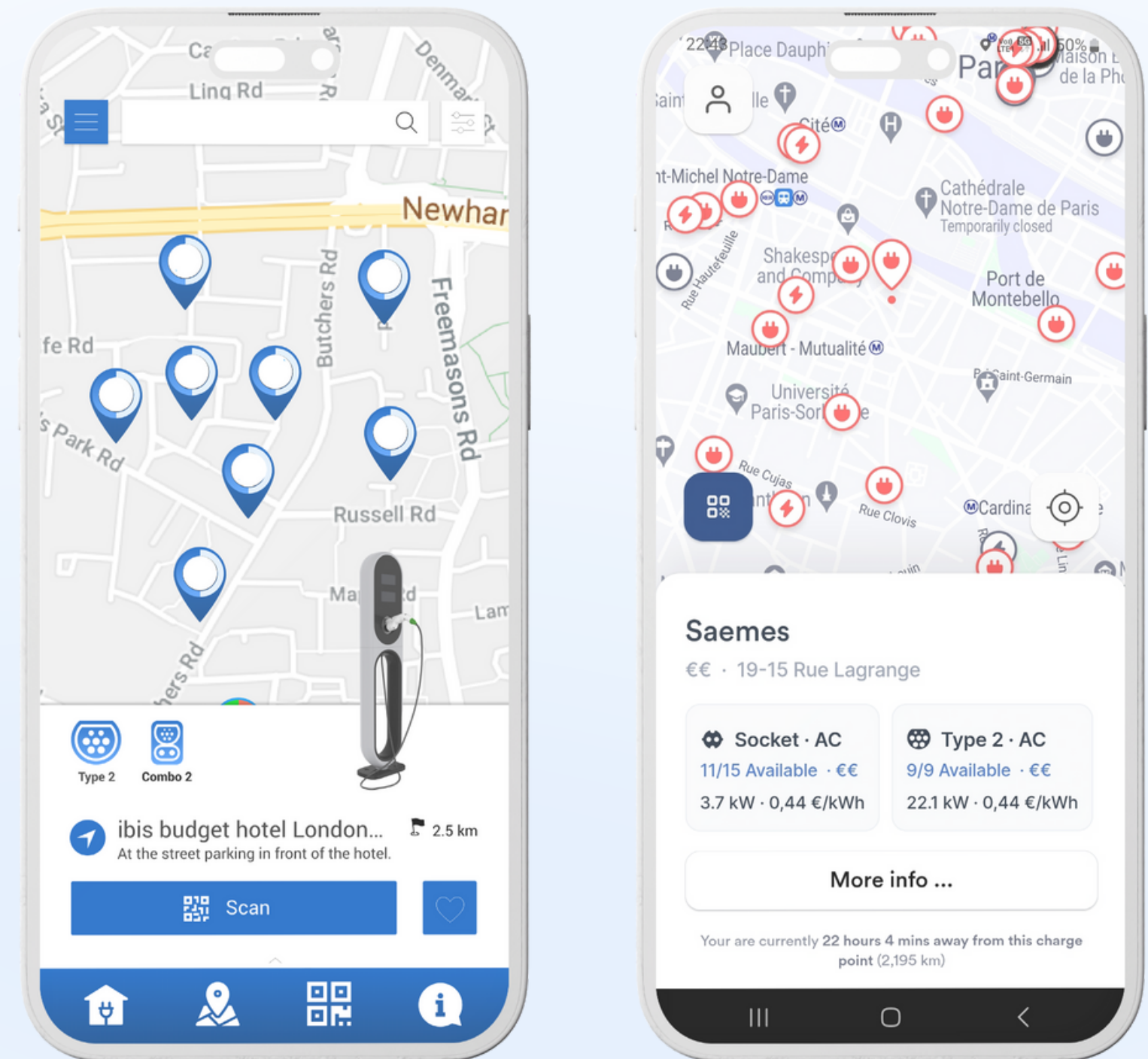
Offer ad-hoc charging with a customizable web portal

Ensure compliance with market regulations by allowing any driver to charge at your stations without the hassle of downloading a mobile app and registering.

- Get comprehensive out-of-the-box core functionality for EV charging

- Enhance the driver experience with branded customization - custom logo, colors, icons, and more

- Accept payments through popular payment providers like Stripe, Rapyd, or your preferred provider

- Help EV drivers effortlessly locate nearby charging stations, track their charging history, and bookmark preferred stations for quick and easy access

Create tailored EV charging experiences with our API

Our scalable software infrastructure caters to diverse business needs. Access all platform functionalities via APIs supported by detailed and up-to-date documentation for seamless integration and implementation.

- Integrate EV charging functionality into your own app, web portal or build new customer-facing interfaces

- Enhance your existing ERP, CRM, payment and billing solutions with the EV charging data you need

- Add an EV charging management layer into your building or energy management system, fleet management, and more

LEARN MORE

```
GET /v1/charger

1   import ampeco
2   url = 'https://ampeco/resources/charge-points/
3   auth = HTTPBasicAuth('apikey', '425164dr1234-4
4   req = requests.get(url, auth=auth)
```

```
Response

1   {
2       "object": "charger",
3       "available": [
4           {
                "chargerId": 412431;
                "chargingStatus": "charging";
                "totalConsumption": {
                    "kWh": 11,
                    "timeElapsed": 15;
                }
            },
            {
                "chargerId": 124242;
                "chargingStatus": "idle";
                "totalConsumption": {
                    "kWh": 0,
                    "timeElapsed": 0;
                }
            },
```

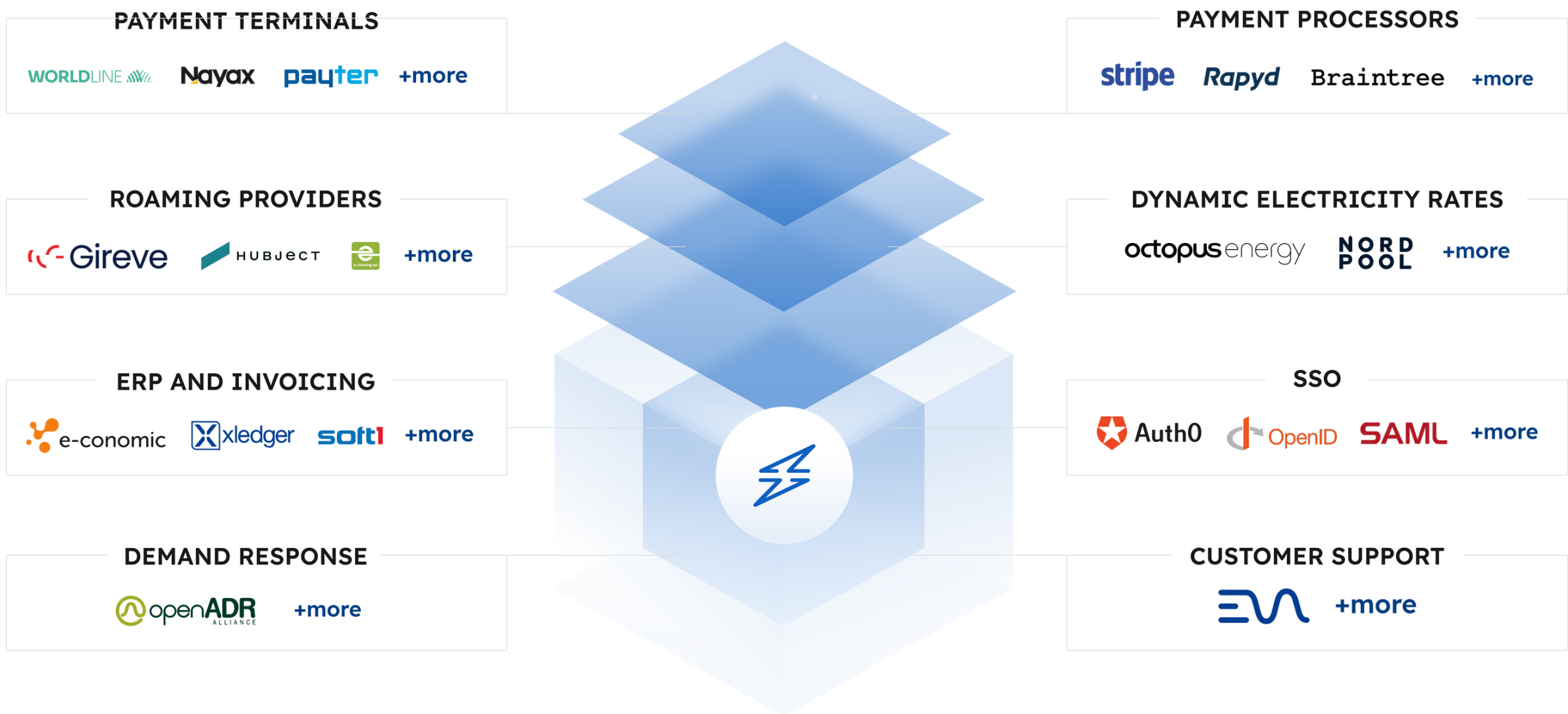- chargePoint
- location
- user
- sessions
- transactions
- subscriptions
- tariffs
- partners
- invoices
- electricityRates

+ many more

Extend platform functionality with integrations

Use our off-the-shelf integrations to extend your functionality and seamlessly connect with other systems and services. With our ever-growing list of integration options, developed in collaboration with verified partners and clients, you can enhance your operations and unlock new possibilities.

PAYMENT TERMINALS
WORLDLINE · Nayax · payter · +more

PAYMENT PROCESSORS
stripe · Rapyd · Braintree · +more

ROAMING PROVIDERS
Gireve · HUBJECT · +more

DYNAMIC ELECTRICITY RATES
octopus energy · NORD POOL · +more

ERP AND INVOICING
e-conomic · xledger · soft1 · +more

SSO
Auth0 · OpenID · SAML · +more

DEMAND RESPONSE
openADR ALLIANCE · +more

CUSTOMER SUPPORT
+more

Gain flexibility and interoperability with OCPP

Select the most suitable charge point models for your diverse EV charging use cases.
Integrate chargers from any OCPP-compliant manufacturer to future-proof your
network, avoiding any limitations of vendor lock-in.

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Connect any OCPP-compliant charge point

Successful integration tests with 80+ different charging stations models

**Supports OCPP 1.5 SOAP, OCPP 1.6 JSON, OCPP 1.6 SOAP, and OCPP 2.0.1 JSON**

Seamlessly manage your EV charging network

Efficiently manage and monitor multiple chargers, remotely control charging sessions, update firmware, and quickly address any issues, reducing costs and ensuring uninterrupted service.

- Manage and monitor your charging network remotely with real-time visibility and control over the status of your chargers

- Easy monitoring with an automated alert management system

- Charger stability and availability are assured by our self-healing algorithms

- Minimize downtime of your chargers and provide faster and more efficient remote troubleshooting with vendor error codes management functionality

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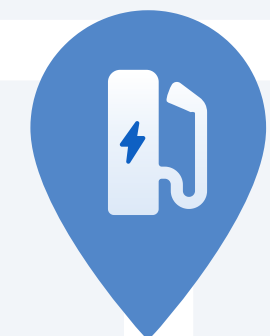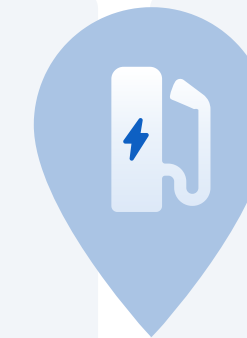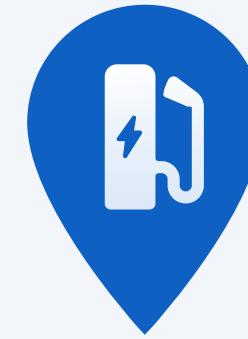
Empower site hosts to run and grow their business

Scale your network by partnering with charging station owners and site hosts like residential multi-family units, restaurants, retail centers, or municipalities. Enable your hosts and their clients with individual system access, allowing them to manage chargers, users and view reports through different admin roles.

Provide complete transparency between you and your partners with monthly usage and revenue reports, including revenue generated from charging sessions and the status of collected and outstanding payments.
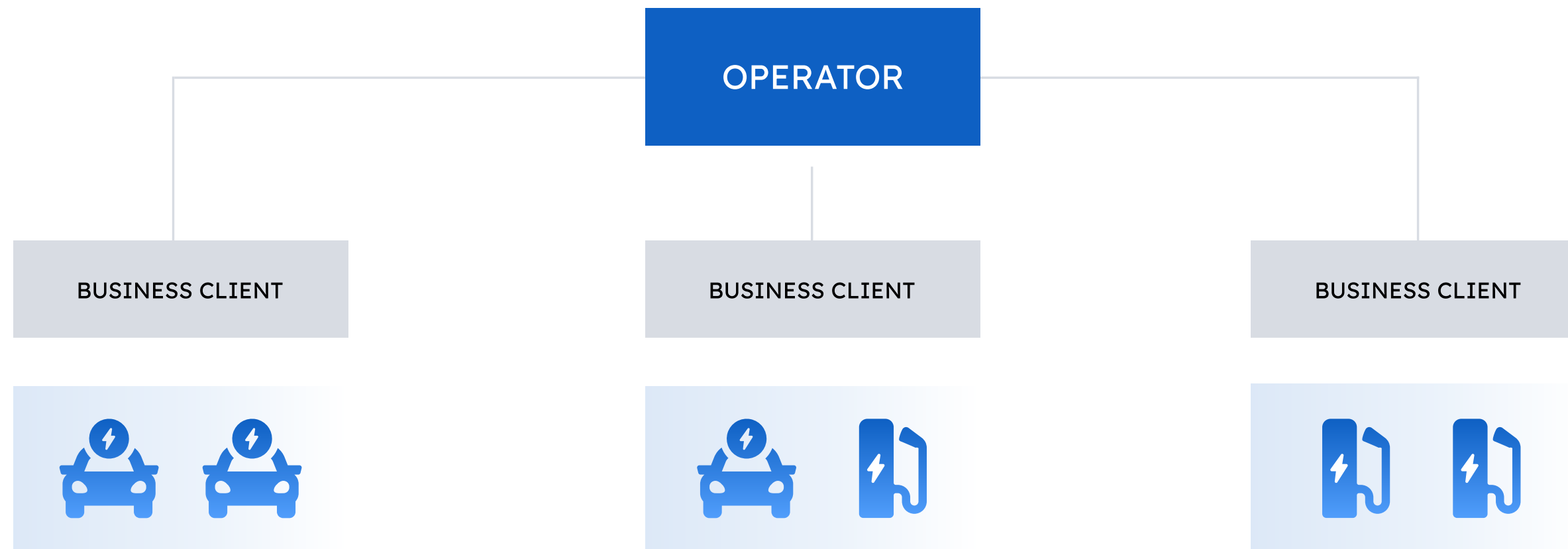
Own the money flow

Easily manage multiple payment and billing options for your customers and business partners. Use comprehensive usage reports to ensure accurate revenue sharing, corporate billing, and settlement reports between you and your partners.

- Accept payments directly without additional fees or delays from AMPECO

- Choose Stripe, Braintree, and Rapyd or opt for your preferred payment processor for seamless transactions

- Customize your billing strategies to define payment method requirements and specify pre-authorized amounts or available balances based on your unique business needs

- Configure billing cycles for your subscription plans, while benefiting from the automatic generation of receipts and invoices

- Reimburse employees who charge company electric vehicles at home

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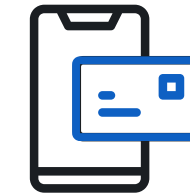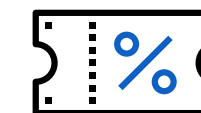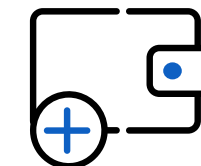
Mobile app
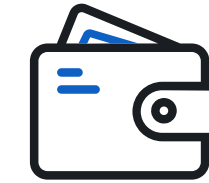
Prepaid

Subscription

Corporate account

Pay-as-you-go (ad hoc)

Payment terminal

Vouchers

Top-up packages

Payment terminals for EV charging made simple

Assemble your custom EV charging payment solution using your preferred payment terminal and payment processor and have complete control over transaction terms and processes.

- Select a setup that enables direct communication between the payment terminal and your CPMS to streamline payment processing

- Manage pricing from a single location to minimize operational risks, and optimize costs

- Reduce costs by configuring a single payment terminal to serve multiple chargers

- Gain greater autonomy and secure better terms over your payment processes by establishing direct relationships with your preferred PSP, payment gateway, and acquiring banks

- Cater to diverse EV driver needs with our multilingual payment terminal app that supports various languages

LEARN MORE

Have full control over pricing

Increase your revenue and easily cover multiple EV charging uses cases with our flexible tariffs and subscription plans.

Set the right price for each customer at every location through targeted tariffs based on kWh, duration or time of day to ensure optimal pricing strategies for your EV charging operations.

- Offer different prices at the same location based on the type of customer with tariff groups
- Assign different tariffs per location or even per EVSE on your charging station
- Provide customers monthly, quarterly or annual subscription plans based on fixed rate, tiered pricing, per user and consumption subscription models
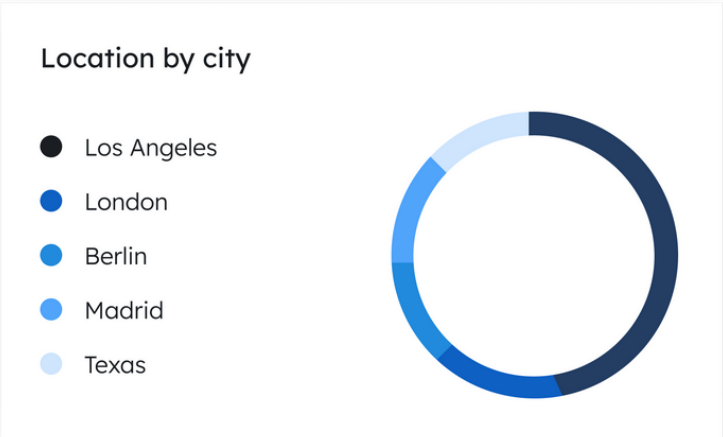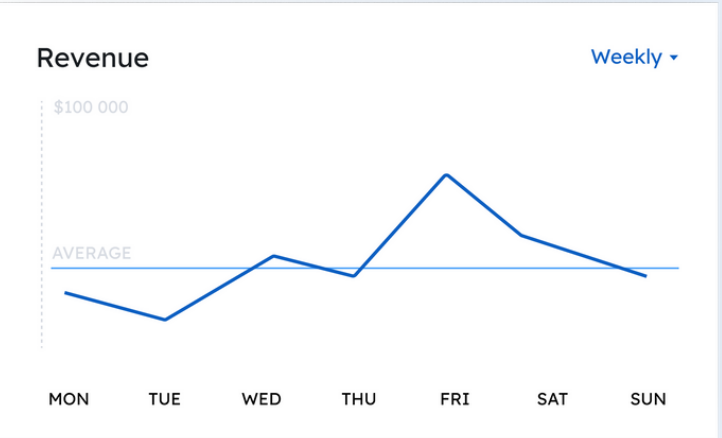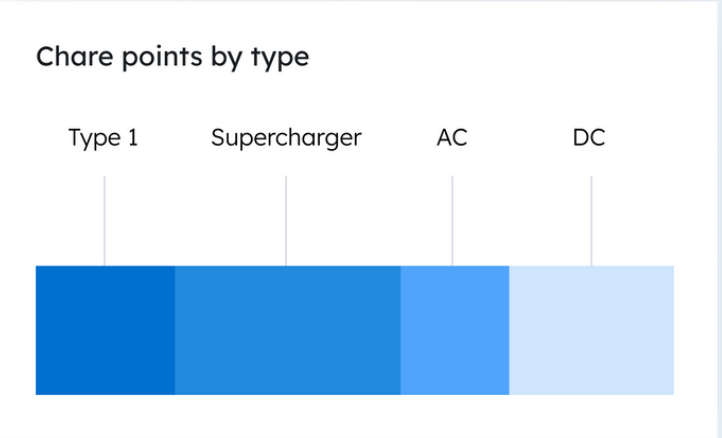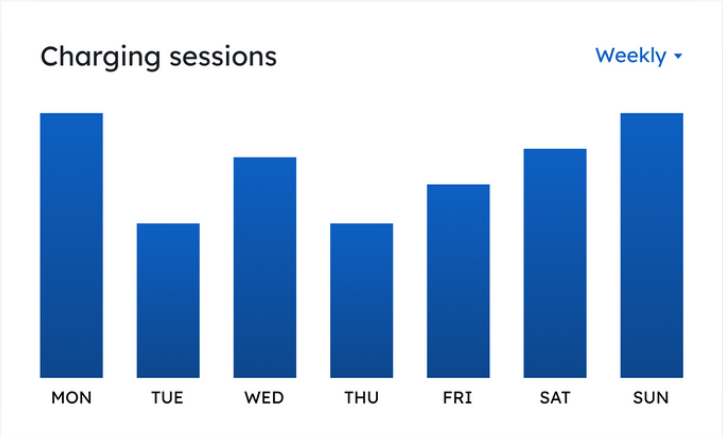
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REPORTS & ANALYTICS

Make data-driven decisions

Gain valuable data about your customers and their charging habits. Use the built-in reports and analytics to help you find growth areas and eliminate inefficiencies.

- Track key metrics such as total revenue, energy consumption, and customer acquisition

- Use real-time dashboards to see the status of your network at a glance

- Get actionable insights into charger status, charging patterns, and energy consumption with extensive analytics and reporting

Charging sessions — Weekly ▾
MON TUE WED THU FRI SAT SUN

Chare points by type
Type 1   Supercharger   AC   DC

Users — Weekly ▾
142 453
+8% ▲
MON TUE WED THU FRI SAT SUN

Revenue — Weekly ▾
$100 000
AVERAGE
MON TUE WED THU FRI SAT SUN

Location by city
- Los Angeles
- London
- Berlin
- Madrid
- Texas

Faults & Connectivty loss

8 ISSUES DETECTED

Resolve

# Monetize your network. Expand your reach.

Expand your offering to new locations or markets and maximize the revenue potential of your charging stations. Integrate with the major roaming hubs Hubject, Gireve, and e-clearing.net or build direct P2P OCPI connections to other networks.

- Integration with major EV roaming hubs
- Direct roaming integrations via OCPI
- Roaming partner management portal
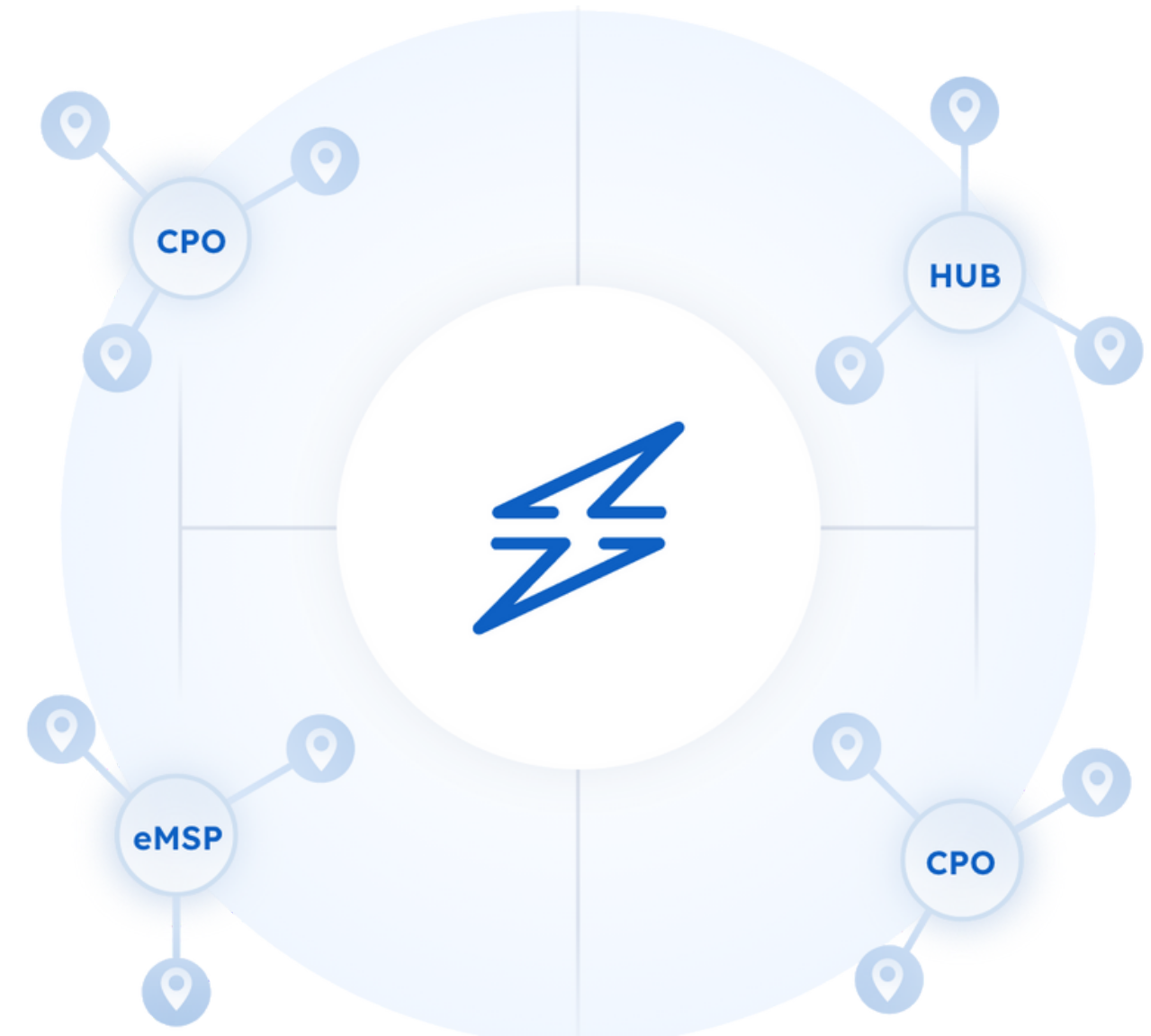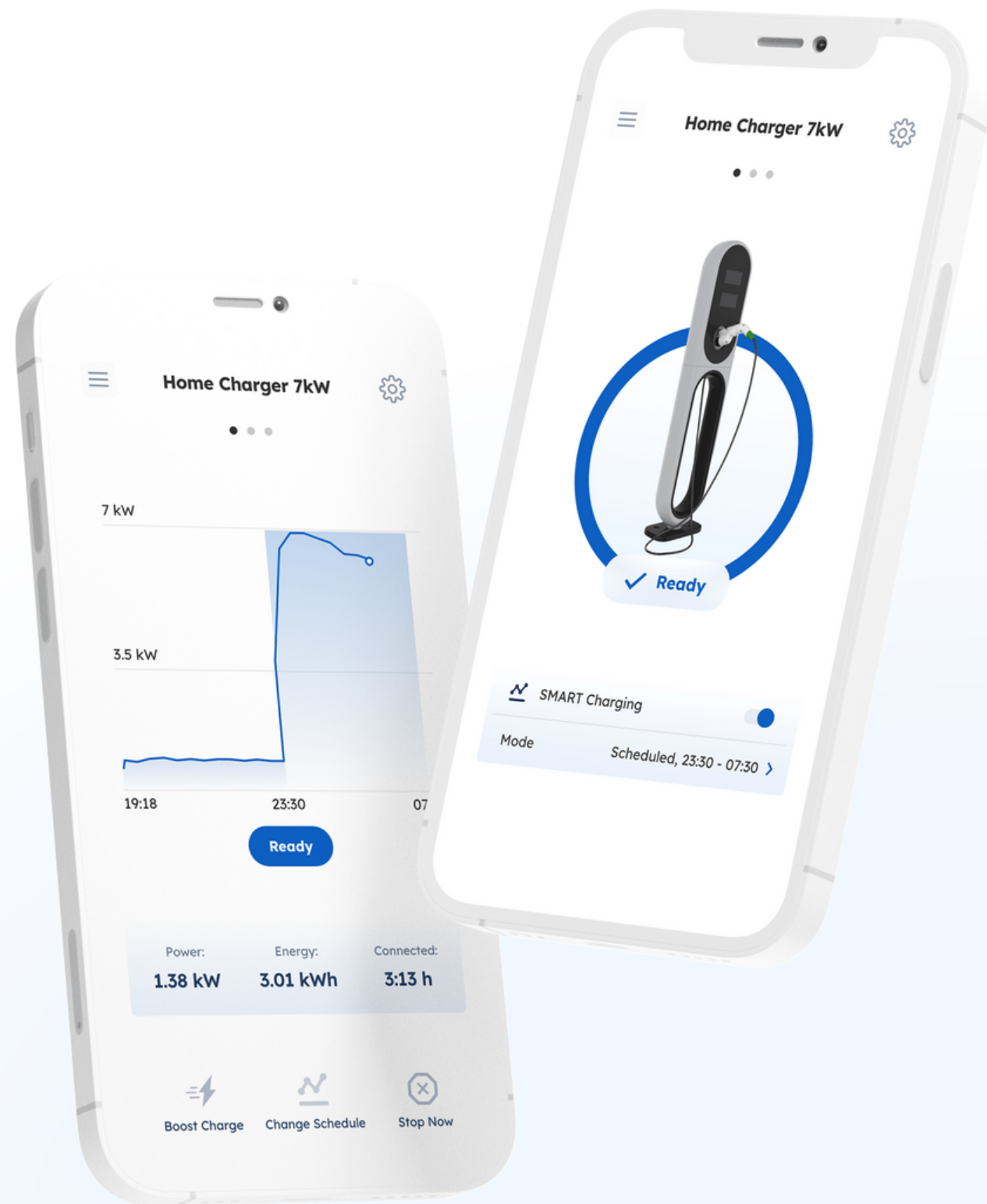
Drive additional revenue with home charging

Leverage an EV charging management platform that manages home, work, and public charging and grow your customer base. Cater to various scenarios, including fleet operators seeking cost-efficient workplace and home charging solutions, or property managers in need of efficient grid management and tenant billing.

- Offer a 360° charging experience to your customers
- Use smart scheduling to save your customers money by taking advantage of off-peak electricity rates
- Reimburse employees charging company electric vehicles at home
- Track energy usage and bill tenants for their EV charging in multi-family buildings

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Optimize costs with efficient energy management

By optimizing charging schedules, balancing load distribution, and participating in market-wide demand response events to prevent grid overload, you can reduce infrastructure costs, minimize grid strain, and promote sustainability.


Charger level
Static Load balancing

Building level
Dynamic load balancing

Power system level
Market-wide flexibility

20
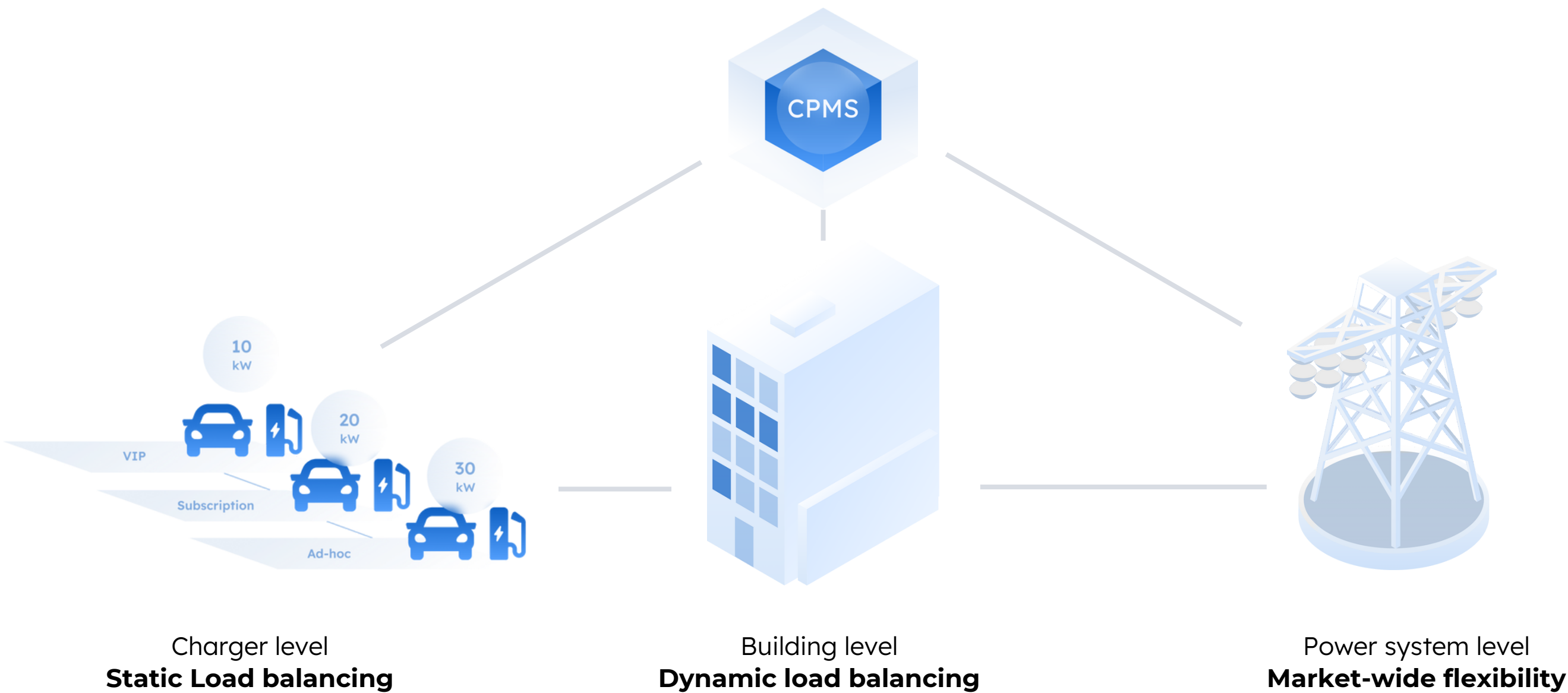
Efficiently manage the available power on site

Install multiple charging stations at a site with limited power capacity. Specialized algorithms ensure optimized charging. Prioritize subscribers over ad-hoc users, creating additional incentives and revenue streams for your business.

- Optimal distribution of the existing power capacity to all connected chargers without the need for costly infrastructure upgrades

- Opportunities for smart prioritization of charging speed per customer

- Manage load limits via API

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TOTAL POWER

| 60 kW | 30 kW | |

10 kW

20 kW

30 kW

VIP

Subscription

Ad-hoc
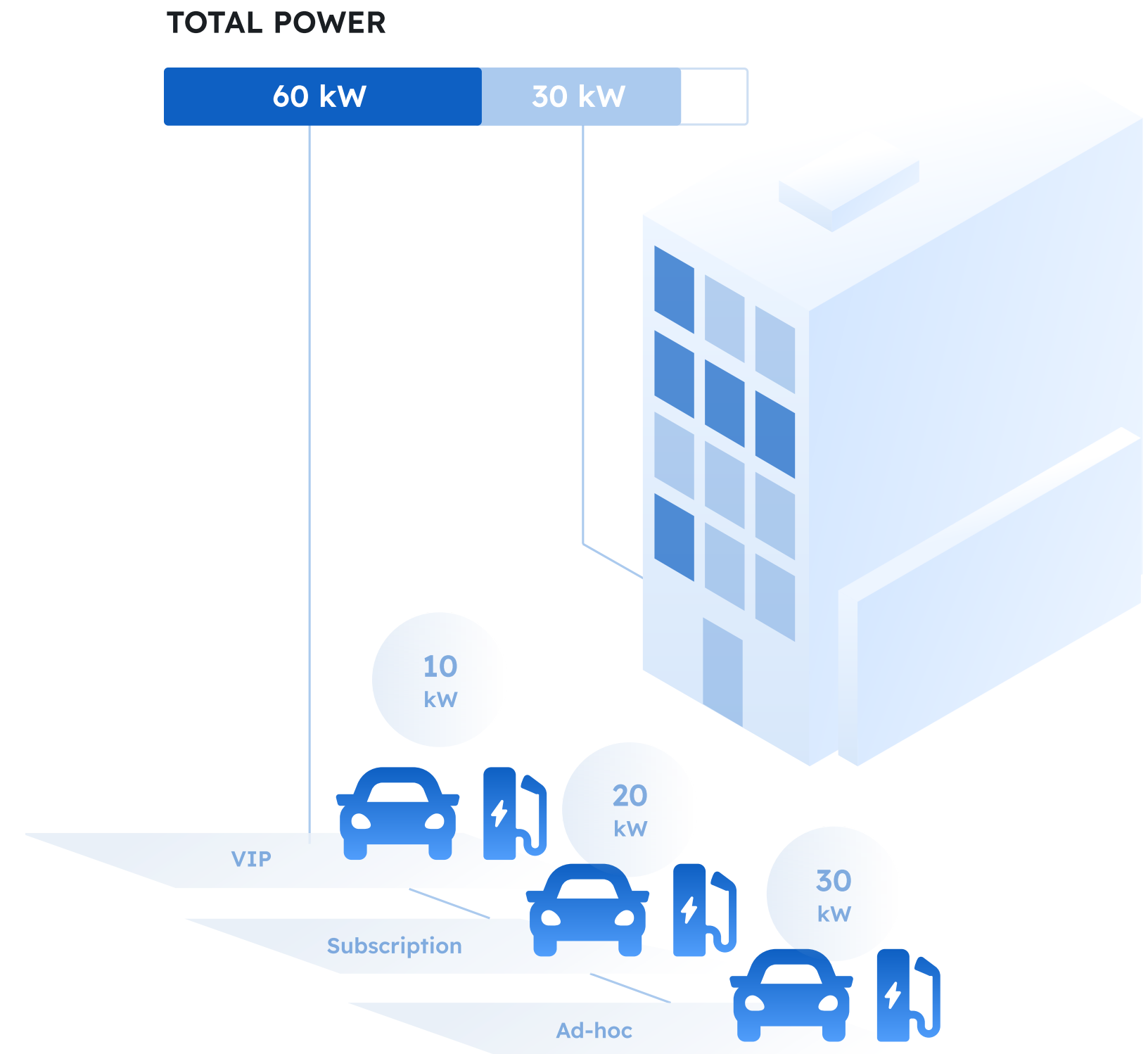
Scale up and across with maximum flexibility

Our system is hosted on AWS using a scalable multi-tenant architecture so that all services can be scaled horizontally and vertically when required.

- Effortlessly build new components to your system to enable growth and operational excellence

- Ensure high availability and minimal downtime for users, thanks to a scalable cloud architecture that optimizes costs for hosting infrastructure

- Connect an unlimited number of chargers and pay-as-you-go, resulting in enhanced scalability and cost efficiency

- Seamlessly update the system with new functionalities without interrupting operations or user experience

Secure Data

Secure Product

Security Partner
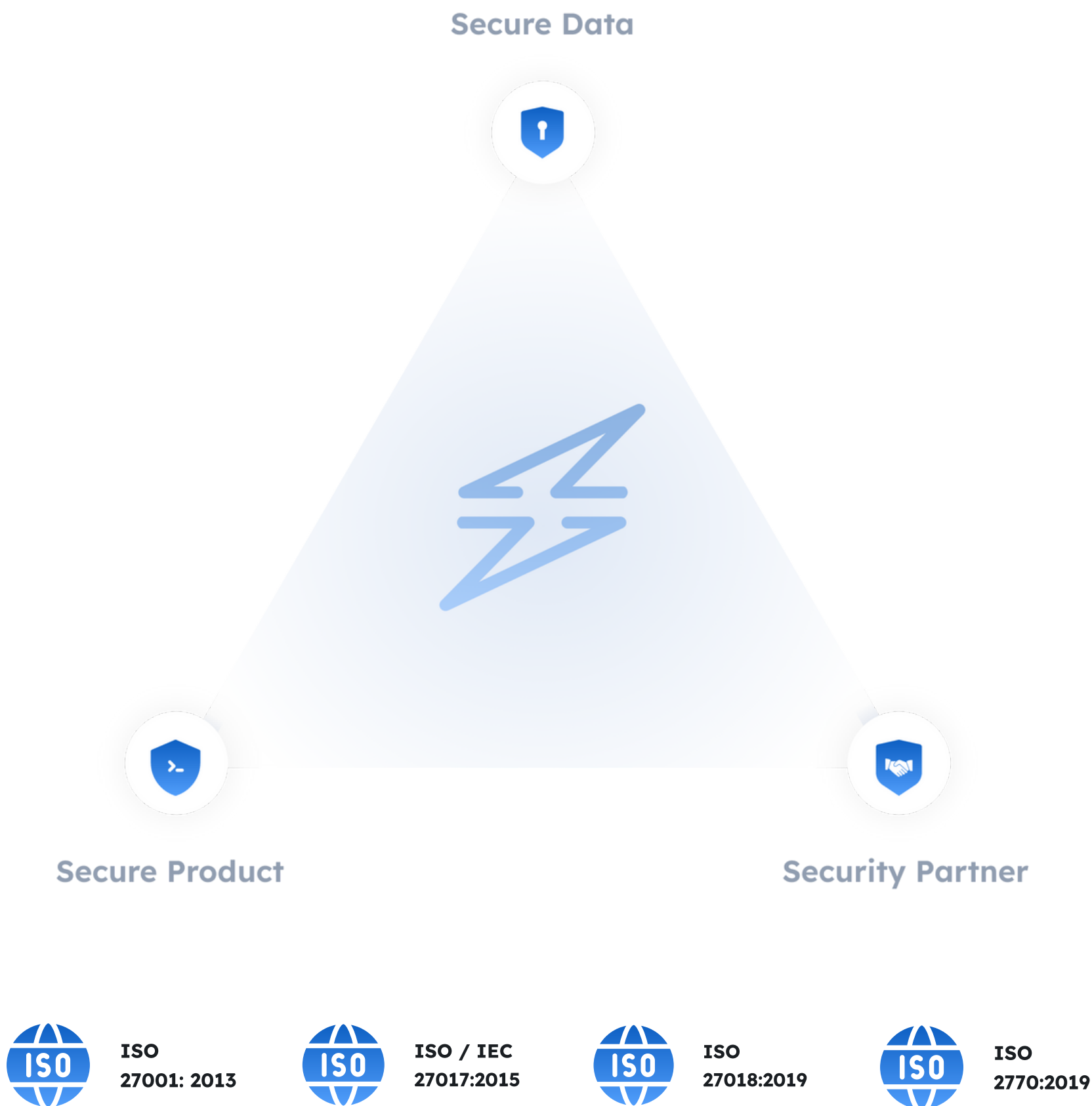
Enterprise-grade data security for business

We prioritize advanced data security measures, implementing a comprehensive set of controls and adhering to industry best practices to protect your data and fulfill global data privacy obligations

- ISO-certified Information Security Management system (ISMS) ensures a secure software development lifecycle

- Proactive monitoring to keep you informed of any anomalies, ensuring uninterrupted and secure charging services

- Secure authentication, encrypted communication channels, and advanced access control to ensure data protection for both users and infrastructure

- We meet the requirements of the Global Data Protection Regulation, enabling seamless compliance for our clients

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ISO 27001: 2013

ISO / IEC 27017:2015

ISO 27018:2019

ISO 2770:2019

EV DRIVER SUPPORT

Foster growth and loyalty with dedicated EV driver support

Ensure a positive EV driver experience and foster business growth by incorporating a dedicated end-user support team of experts ready to assist drivers and address customer queries at your charging sites.

- Gain valuable data about your customers and their charging habits

- Efficiently address driver queries, troubleshoot charging-related issues, and provide timely assistance, minimizing driver frustration and ensuring smooth operations
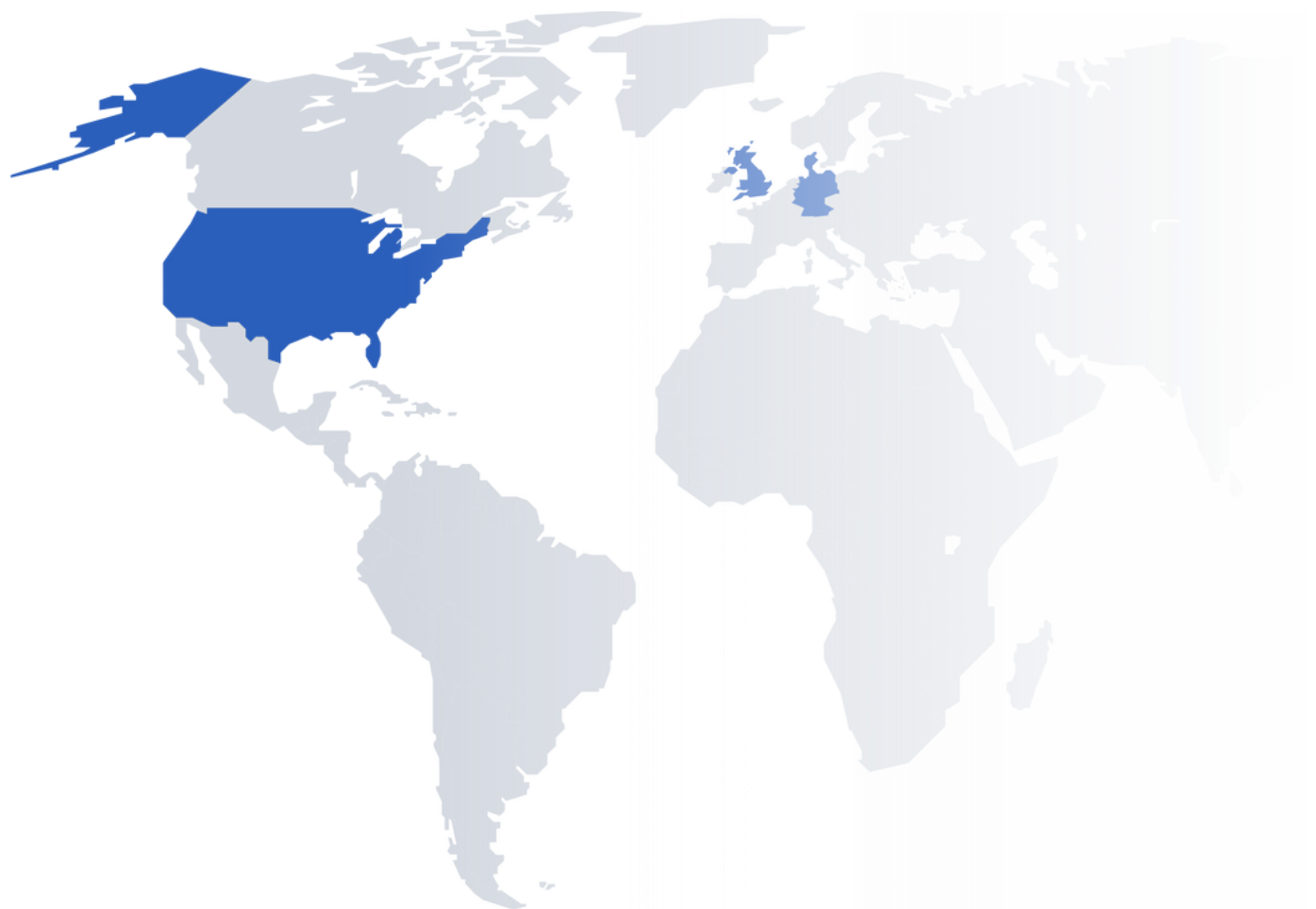
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PROVIDED IN PARTNERSHIP WITH **EVA Global**

Global operations with local compliance

We continuously develop our EV charging management platform to cater to the diverse requirements of operators worldwide, including complying with regional market regulations and legislation.

Eichrecht/German Calibration law
Our platform enables the exchange of charge session data and provides drivers with accurate meter data, meeting Eichrecht requirements.

UK Smart Charging regulations
The smart charging algorithms optimize charging based on grid demands, support dynamic pricing, and facilitate data exchange with the necessary stakeholders.

Report charging data to US authorities
We automatically generate and submit monthly and quarterly reports to the US authorities with the required charging data to meet the NEVI requirements.

Electricity tax reimbursement in Denmark
AMPECO accurately tracks and records the electricity consumption of each charging session calculates the eligible tax reimbursement amount, and generates the necessary documentation.

About AMPECO

AMPECO is a leading EV charging management software provider, empowering large-scale providers to launch, scale, and monetize their networks effortlessly. Our white-label and hardware-agnostic backend platform, versatile web interfaces, and mobile apps cater to every EV charging business need and help our clients unlock new revenue streams.

With our flexible API, you can scale faster and address evolving charging use cases by creating custom features and integrating charging data into your existing systems. Streamline operations, enhance customer experience, and drive more revenue through our extensive range of integrations. The AMPECO platform enables you to build a unique offering that differentiates your business, secures your competitive advantage, and meets the specific needs of your customers.

120+
Clients
Worldwide

4.6M
Charging
Sessions in 2022

65 000+
Charge
Points

90+
Team
Members

PORUD MEMBER OF

Smart Electric Power Alliance

FORTH

openADR

OPEN CHARGE ALLIANCE

evRoaming4EU

eurelectric powering people

smartEn
Smart Energy Europe

AWARDS

FROST & SULLIVAN

Product Leadership Award 2022

Forbes

Product Innovation Award 2022