

ENTERPRISE PRODUCT PORTFOLIO

The technology platform behind your EV charging business.

A complete, white-label EV charging platform — branded EV owner apps, operator console, payments, billing, infrastructure and integrations — delivered and operated by CarChargeOS, under your brand.



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What CarChargeOS Enterprise delivers, how it deploys, and how a launch unfolds — from platform capabilities to commercial next steps.

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Launch your EV charging business. Without building the technology.

Building an EV charging platform requires far more than connecting chargers. It means maintaining mobile applications, payment workflows, billing engines, cloud infrastructure, charger protocols, security and continuous product development — a software organization in its own right.

Your customers interact with your brand — not ours. You retain full ownership of your brand, your customers and your data. Standard Enterprise deployments target launch in 4–6 weeks.

Your EV owner experience

Branded iOS and Android apps for discovering chargers, starting sessions, live monitoring, payments and charging history.

01

Your operator experience

A branded management platform for stations, chargers, customers, sessions, tariffs, billing, reporting and operations.

02

Your infrastructure

CarChargeOS Cloud, your own public cloud account, or an on-premise deployment — matched to your security and data-residency requirements.

03

Your integrations

Payment providers, identity systems, ERP, CRM, roaming partners and business systems connected through APIs and industry standards.

04

WHO THIS PORTFOLIO IS FOR

- **Energy companies** launching a new EV charging business without creating a software organization from scratch.
- **Fuel & mobility companies** adding EV charging to an established retail or mobility network under their existing brand.
- **Charge point operators** scaling or modernizing an existing public charging network.
- **Large enterprises** operating private, commercial, destination or fleet charging networks through one platform.

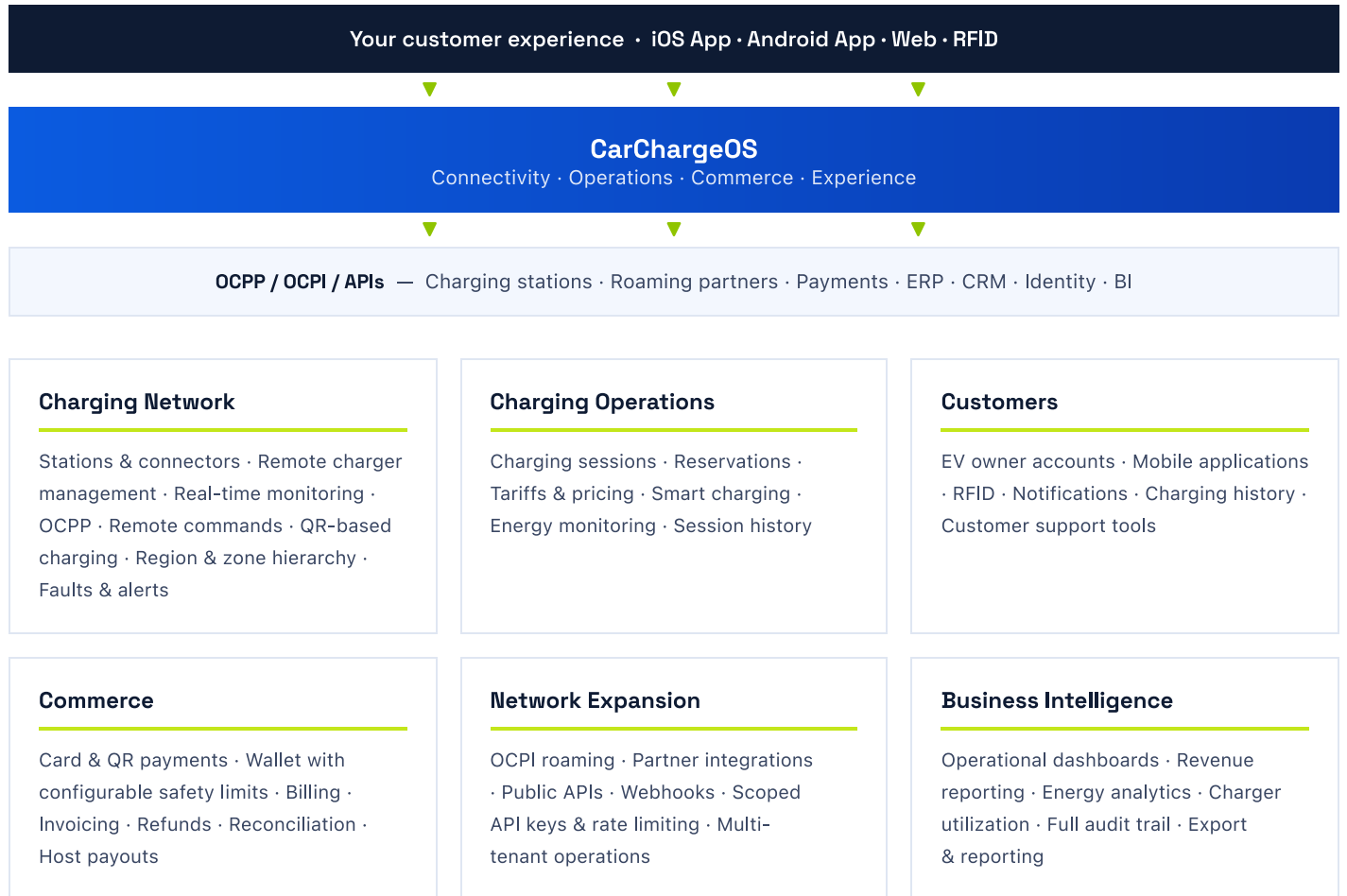
Ten requirements that decide enterprise platform selections.

Enterprise EV charging programmes are evaluated on more than features. This is how CarChargeOS addresses the criteria that decide tenders and RFPs.

	REQUIREMENT	HOW CARCHARGEOS DELIVERS
01	Brand & customer ownership	Fully white-label. Apps published under your developer account; customers and their data belong to you, exportable at any time.
02	Security & compliance	Encryption in transit and at rest, role-based access, enterprise identity and request-level audit logging, aligned with ISO 27001.
03	Data residency & control	Managed cloud with in-country residency, deployment into your own cloud account, or fully on-premise — same product, same releases.
04	Vendor independence	Hardware-agnostic: any OCPP-compliant charger, AC to ultra-fast DC, from any manufacturer. Open standards prevent lock-in.
05	Time to market	Structured implementation targeting go-live in 4–6 weeks for standard Enterprise deployments.
06	Integration with existing systems	REST APIs, webhooks and event streams connect payments, ERP, CRM, identity (SAML / OIDC / SSO) and BI — without replacing them.
07	Operational reliability	Cloud-native, high-availability architecture with redundant services, automated recovery and charger-level observability. Enterprise SLA options.
08	Scalability	Kubernetes-based, multi-tenant, multi-region architecture designed to scale from a first site to thousands of connectors.
09	Total cost of ownership	One platform replaces a CSMS, payment stack, billing engine, app vendor and in-house development programme — one data model, one support team.
10	Long-term partnership	Continuous platform development, dedicated technical engagement and operational support beyond go-live — a technology partner, not a licence.

One platform. Your entire charging operation.

Every capability works from the same operational data — from charger status and sessions to tariffs, payments, invoices and customer experience. One data model from the connector to the invoice.



Four layers. One operating platform.

01

CONNECT

Talk to every charger on the network.

The communication layer between your business and charging infrastructure, normalizing charger behavior across manufacturers — different hardware, one operational model.

OCPP connectivity · Remote start / stop · Reset & unlock · Firmware management · Configuration · Heartbeat monitoring · Vendor-normalized diagnostics · Remote troubleshooting

02

OPERATE

Operate the network before problems become downtime.

A real-time view of sites, stations and connectors. Every alert automatically opens a tracked maintenance ticket, and compatible chargers can be reset, unlocked and reconfigured remotely.

Network health · Alerts & incidents · Remote operations · Region / zone / station hierarchy · Roles & permissions with custom roles · Request-level audit history

03

MONETIZE

Price it. Charge for it. Get paid for it.

Tariffs, sessions, payments, invoices and settlement operate against the same session data — one session record from authorization to settlement, reducing reconciliation complexity.

Energy pricing with per-station / per-charger overrides · Cost simulator · Promotions · Card, QR & guest payments · Wallet & pre-authorization · Corporate accounts · Invoicing, tax / VAT · Host revenue share & payouts · Settlement records

04

DELIGHT

Every customer touchpoint, ready for your brand.

Branded mobile apps, guest charging and an operator platform, all powered by the same real-time data. Your brand. Your customers. Our platform underneath.

Charger discovery & maps · Live availability · Start / stop charging · Live session monitoring · Payments · History & receipts · Account management · Guest charging where the operator allows it

Replace fragmented systems with one platform — instead of disconnected tools for charging, payments, operations and mobile apps.

Your brand on the phone. Our engine underneath.

Ship a native iOS and Android app in your colours, your name and your App Store listing — without hiring a mobile team. CarChargeOS handles releases, OS updates and store compliance, published under your developer account.



✓ **Discovery & routing** — map discovery with live availability, filters and route planning.

✓ **Live sessions** — start, stop and monitor charging with live kW and cost.

✓ **Payments & wallet** — wallet top-ups, saved cards, e-wallets, receipts and history.

✓ **Engagement** — push notifications, loyalty tiers and in-app support.

✓ **Guest charging** — charge and pay without an account, where the operator allows it.

THE OPERATOR CONSOLE — ORGANIZED AROUND HOW CHARGING TEAMS WORK

Operations

Dashboard · Stations ·
Regions & Zones · Chargers ·
Monitoring · Sessions ·
Incidents · Faults & Alerts ·
Maintenance

Business

Tariffs · Tariff Assignments ·
Payments · Promotions ·
Operators

Users

Users · Mobile Users

Accounting

Collections · Reconciliation ·
Partner Reconciliation

System

Audit Logs · E-Invoices ·
Notifications

Run it on our infrastructure — or entirely on yours.

The full platform ships as a containerised deployment. Host it with us, in your own public cloud account, or on-premise inside your data centre — same product, same releases, your control plane.

CarChargeOS Cloud	Your public cloud	On-premise
Fully managed and multi-region. Fastest path to launch, with in-country data residency where required. ZERO OPS. FULLY MANAGED.	Deployed into your own AWS, Azure, GCP or regional cloud account, under your security policies and billing. YOUR CLOUD. YOUR CONTROL.	Air-gapped or restricted environments in your own data centre, for utilities with sovereignty and grid-security mandates. YOUR HARDWARE. YOUR NETWORK.

BUILT TO GROW WITH YOUR CHARGING NETWORK

Horizontal scaling Services scale independently based on workload.	High availability Redundant services and automated recovery.	Event-driven Charger events and workflows processed asynchronously.
Multi-region Geographically distributed deployment models.	Automated infrastructure Consistent deployment and configuration.	Backup & recovery Defined recovery processes for business data.

Kubernetes	Cloud Native	Multi-region	High Availability	API-first	Multi-tenant
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Open standards. No ecosystem lock-in.

Your charging business should not depend on one hardware manufacturer or a closed software ecosystem. Industry standards and open interfaces connect chargers, roaming networks and enterprise systems — your chargers, your integrations, your choice.



Hardware-agnostic by design — any OCPP-compliant charger connects: AC, DC fast, ultra-fast, from any manufacturer.

OCPP 1.6J
CHARGERS

OCPP 2.0.1
CHARGERS

OCPI 2.2.1
ROAMING

ISO 15118
PLUG & CHARGE

ISO 27001
SECURITY

OpenADR
GRID / ENERGY

SAML • OIDC
IDENTITY / SSO

Designed to fit into your technology stack

CarChargeOS does not need to become every system in your organization. Connect charging operations with the systems your business already uses — don't replace your systems, connect them.

Payments

Payment gateways, acquirers, local payment methods

ERP & Finance

Custom ERP integrations, finance systems, accounting exports

CRM & Customer

CRM, customer service, loyalty platforms

Identity

SAML, OIDC, enterprise SSO

Data & Analytics

BI platforms, data warehouse, reporting systems

Developers

REST API, webhooks, event streams, scoped API keys

Built for infrastructure your business depends on.

Security, availability and operational resilience are designed into the platform architecture, rather than added after deployment.

E**Encryption**

Encryption for supported data in transit and at rest.

ID**Identity & access**

Role-based access with enterprise identity integration (SAML, OIDC, SSO) and custom roles.

A**Auditability**

Every administrative and operational action logged at the request level — who, what, when, and the result — filterable and exportable on demand.

HA**High availability**

Redundant platform services and automated recovery.

O**Observability**

Application, infrastructure and charger-level monitoring.

DP**Data protection**

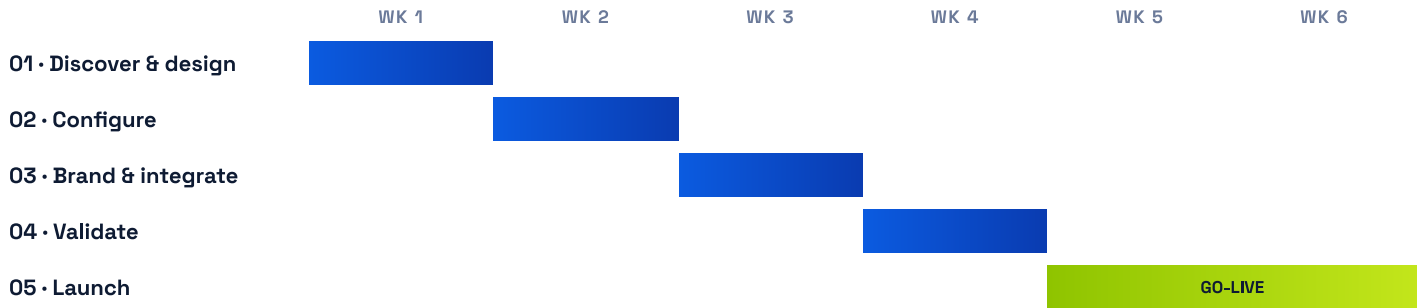
Backup, recovery and configurable deployment / data-residency options.

Sovereignty by design

Where regulation or policy requires it, the entire platform can run inside your own cloud account or an air-gapped on-premise environment, with in-country data residency — the same product and release cadence in every deployment model.

From concept to charging network in weeks.

A structured implementation process gets your branded charging platform into market quickly while keeping integration and operational risk under control.



Week 1 — Discover & design

Business requirements · charger environment · branding · payment requirements · infrastructure selection · integration scope.

Week 2 — Configure

Tenant configuration · tariffs · payment setup · user roles · charger profiles · infrastructure provisioning.

Week 3 — Brand & integrate

Branded EV owner applications · branded operator experience · APIs · SSO · payment and business-system integrations.

Week 4 — Validate

Charger interoperability testing · end-to-end sessions · payment and billing validation · operational and user acceptance testing.

Weeks 5-6 — Launch

Production deployment · app-store release · charger onboarding · operational handover · training · go-live support.

* Typical timeline for standard Enterprise deployments with supported hardware. Complex migrations, integrations or custom development may require additional time.

Build your charging business — not another software platform.

Building an EV charging platform internally means maintaining mobile apps, payments, billing, cloud infrastructure, charger protocols, security and continuous product development — before the first customer charges.

BUILDING INTERNALLY	WITH CARCHARGEOS
Build a CSMS	✓ Production-ready platform
Build iOS & Android apps	✓ Branded apps included
Build payment workflows	✓ Integrated payments
Build a billing engine	✓ Billing & invoicing included
Implement OCPP	✓ Multi-vendor OCPP support
Implement roaming	✓ OCPI-ready
Build cloud infrastructure	✓ Managed deployment
Create monitoring & operations	✓ Operational tooling included
Recruit software teams	✓ CarChargeOS technology team
Long development programme	✓ Target launch: 4–6 weeks*

* Typical timeline for standard Enterprise deployments. Complex migrations, integrations or custom development may require additional time.

Already operating a charging network? Move without starting over.

CarChargeOS supports structured migration from existing charging platforms, helping operators transition chargers and business data while reducing disruption to live charging operations.

01

Assess

Review existing chargers, protocols, integrations and platform architecture.

02

Map

Define charger, customer, tariff and business-data migration requirements.

03

Validate

Test hardware connectivity, integrations and business workflows.

04

Migrate

Move agreed workloads using a controlled migration plan.

05

Cut over

Transition production traffic and validate the new environment, with rollback criteria agreed before cut-over.

Your chargers stay. Your platform gets better.

Existing OCPP hardware reconnects to CarChargeOS — no charger replacement required.

How an enterprise deployment typically unfolds.

An illustrative engagement based on a representative enterprise deployment pattern. Customer references and detailed results are available on request under NDA.

BEFORE

The starting point

A regional energy company operating public charging across multiple vendor portals: one system for charger management, another for payments, a third for customer support — with no branded app and manual, spreadsheet-based reconciliation between them.

6 WEEKS

The engagement

Existing OCPP chargers were connected to CarChargeOS without hardware replacement. The operator console consolidated monitoring, tariffs, sessions and billing into one view; branded iOS and Android apps launched under the company's own developer account; payments and finance systems were integrated through the platform's APIs.

AFTER

The result

One live operational view across the network, automated reconciliation on a single ledger, and a customer experience carrying the company's brand end-to-end — with the internal team focused on network growth and site acquisition rather than software maintenance.

One console

replaced three vendor portals and spreadsheets

One ledger

automated payment and billing reconciliation

One brand

end-to-end customer experience under their name

Everything you need to launch at scale.

Enterprise

For businesses launching EV charging at scale

Custom pricing

Scoped to your network and deployment model

- ✓ Fully white-label platform
- ✓ Dedicated cloud or on-premise deployment
- ✓ Enterprise SLA & dedicated support
- ✓ Implementation & onboarding
- ✓ Branded iOS & Android apps
- ✓ Custom integrations & workflows
- ✓ SSO & enterprise identity
- ✓ Go-live support & training

NEXT STEPS

Discovery call

Tell us about your market, charging network and business goals.

Platform demo

See the operator console and branded apps against your use cases.

Scoped proposal

A deployment plan, integration scope and commercial proposal for your network.

The operating system for your EV charging business.

You build the network. We power the software behind it.

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