



CSMS PLATFORM

⚡ CHARGE POINT MANAGEMENT SYSTEM

# EVCentra CMS Platform

**Power Every Charge. Manage Every Station.**

The Complete Charge Point Management System for the Full EV Ecosystem

🔌 OCPP 1.6 / 2.0.1

🔄 OCPI Roaming

⚡ Smart Energy

🚚 Fleet Management

📄 Automated Billing

📊 Analytics

EVCENTRA © 2025

🛡️ Enterprise-Grade Security

☁️ Cloud-Native Platform

🔌 Hardware-Agnostic

📱 White-Label Apps

## MARKET CONTEXT

# The EV Charging Challenge



### Hardware Fragmentation

Operators manage dozens of incompatible charger brands with no unified control layer, driving up costs and complexity.



### Billing Complexity

Multi-tariff structures, roaming settlements, and fleet invoicing demand automated, error-free billing engines.



### Energy Cost Management

Peak demand charges and grid constraints require smart load balancing and dynamic power distribution tools.



### Roaming Interoperability

Seamless cross-network EV roaming via OCPI demands real-time data exchange and standardized protocol support.



## 5M+

Chargers installed globally by 2024 (Pulse Energy)



## 26%+ CAGR

EV charging platform market growth through 2032



### Next-Generation Charging Infrastructure

Smart, connected EV hubs powering urban mobility

### KEY INSIGHT

CPOs and fleet operators no longer compete on hardware alone — they win on seamless, data-driven software experiences. The US already has 3M+ plug-in vehicles on the road demanding reliable, interoperable charging networks.

# What is EVCentra CMS?

CHARGE POINT MANAGEMENT SYSTEM

EVCentra CMS is a **hardware-agnostic, cloud-native platform** that connects OCPP-enabled charging infrastructure to a unified operations center — delivering real-time visibility, smart energy control, automated billing, and full roaming support from a single dashboard.



## PROTOCOL SUPPORT

### Hardware-Agnostic Connectivity

Full OCPP 1.6 & 2.0.1 compliance eliminates vendor lock-in, connecting any certified charger to the platform seamlessly.



## INTEROPERABILITY

### OCPI Roaming Support

OCPI protocol enables seamless cross-network roaming and interoperability across charging operators globally.



## REVENUE

### Automated Billing Engine

Flexible billing by kWh, time, or session with white-label driver apps, invoicing, and multi-currency settlement.



## OPERATIONS

### Cloud-Native Unified Dashboard

Single pane of glass for charger status, energy consumption, and revenue— accessible anywhere, anytime.



## ENERGY INTELLIGENCE

### Smart Energy Management

OpenADR integration and V2G-enabled infrastructure optimize grid load, reduce energy costs, and support demand response.



## INTEGRATION

### Open APIs & Ecosystem Connect

REST APIs enable seamless integration with CRM, ERP, fleet management, and third-party analytics platforms.

**Built for the full EV ecosystem:** CPOs, fleet operators, retail, hospitality, and workplace charging networks — all on one platform.

# Core Platform Features

FULL EV CHARGING ECOSYSTEM



## Real-Time Monitoring

24/7 live charger status, session data, fault alerts, predictive maintenance & remote reboot capability.

● Always-On Visibility



## OCPP 1.6 & 2.0.1 Compliance

Hardware-agnostic protocol support — connect chargers from any manufacturer without vendor lock-in.

● Any Hardware, One Platform



## Smart Load Management

Dynamic load balancing across all chargers prevents grid overload and reduces peak demand charges.

↑ Up to 45% Better Asset Utilisation



## Automated Billing & Payments

Flexible tariff configuration, automated invoicing, and multi-gateway payment processing built-in.

↓ 70% Less Back-Office Labour



## Roaming & OCPI Support

Seamless cross-network interoperability via OCPI, enabling drivers to charge across partner networks effortlessly.

● Open Interoperability



## Analytics & Reporting

Comprehensive dashboards covering energy consumption, revenue performance, and session-level insights.

● Data-Driven Operations

# OCPP & Protocol Support



## OCPP 1.6 & 2.0.1 Compliance

Full support for both OCPP versions ensures hardware-agnostic connectivity with chargers from any manufacturer, eliminating vendor lock-in.



## OCPI Roaming & Settlement

Seamless cross-network interoperability via OCPI protocol, enabling automated roaming settlement across EV charging networks.



## OpenADR Demand Response

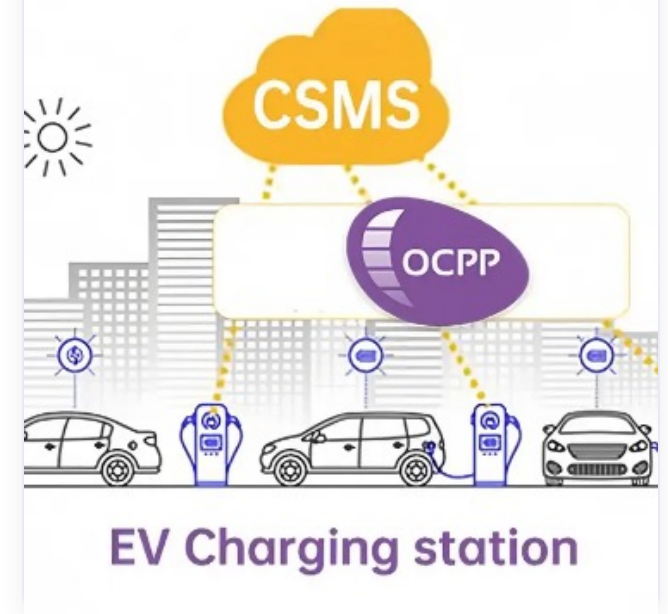
Utility-grade demand response integration via OpenADR, enabling dynamic load shifting and grid-responsive energy management.



## ISO 15118 Plug & Charge Ready

ISO 15118-compliant architecture supports Plug & Charge (PnC) authentication — drivers simply plug in, no app or card required.

## OCPP PROTOCOL



< 1s

API Response  
Latency



≥ 99.5%

Network Uptime  
SLA



TLS 1.3

Encryption  
Standard



## Multi-Protocol

OCPP · OCPI  
· OpenADR · ISO  
15118

## ENTERPRISE SECURITY

- ✓ TLS 1.3 end-to-end encryption
- ✓ Role-based access control (RBAC)
- ✓ Real-time anomaly detection

# Smart Energy & Load Management

Intelligent power distribution that maximises asset utilisation and reduces grid costs



**+45%**

Asset Utilisation Boost  
vs. Unmanaged Chargers



**70%**

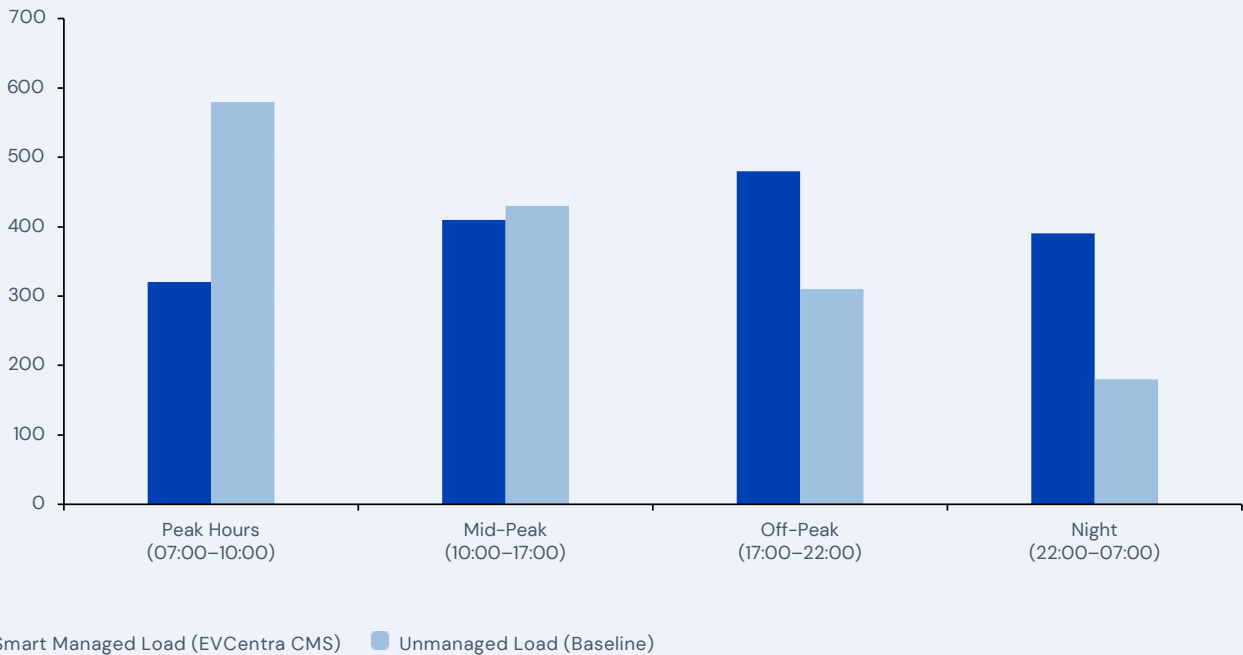
Back-Office Labour  
Reduction via Automation



**V2G**

Bidirectional Energy +  
OpenADR Demand Response

Managed vs. Unmanaged Load Distribution **Pulse Energy 2025**



## KEY CAPABILITIES



### Peak Demand Reduction

Dynamic load balancing prevents grid overload across a 100-charger depot, shaving costly peak demand charges.



### Time-of-Use Optimisation

Smart charging defers sessions to off-peak hours, boosting asset utilisation by up to 45% automatically.



### V2G & OpenADR Ready

Bidirectional energy flow and utility demand response integration enable full grid participation.

# Billing, Payments & Revenue Management



## Flexible Tariff Engine

Supports time-of-use, energy-based, and flat-rate pricing. Dynamic parking fee auto-switch after charging completes.



## Multi-Payment Support

Contactless cards, Apple Pay, Google Pay, RFID, mobile wallets, QR code & NFC — no app download required for guests.



## Automated Billing

Automated invoicing and reconciliation eliminates manual back-office work with seamless settlement workflows.

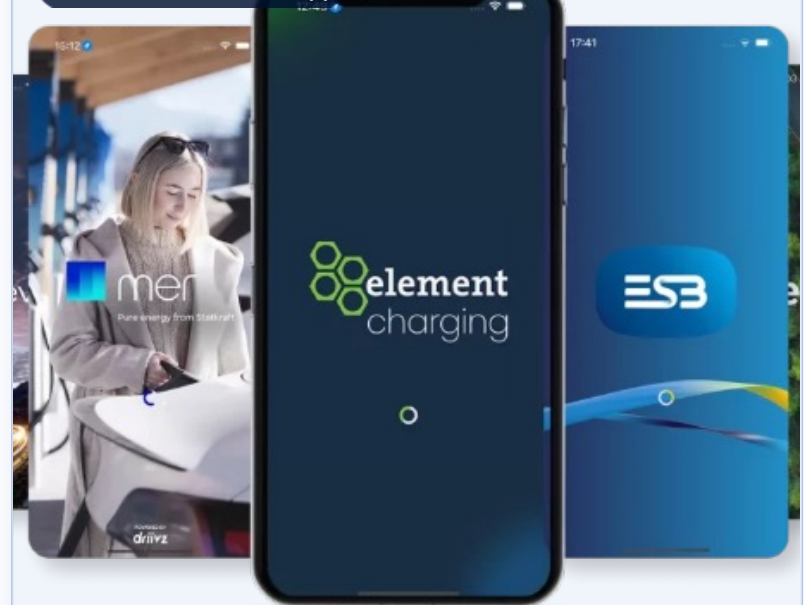
↓ 70% Labour Reduction



## B2B Fleet Accounts

Spending limits per employee or vehicle, consolidated reporting by department, and payroll-ready export formats.

## White-Label Mobile App



# 70%

## Back-Office Labour Reduction

Automated billing & reconciliation — Pulse Energy 2025

# Fleet & Roaming Management

COMPLETE EV NETWORK CONTROL — FLEET OPERATIONS & CROSS-NETWORK INTEROPERABILITY

 **5M+ Chargers Worldwide · 2024**



## Fleet Management



### Smart Queue Scheduling

Overnight depot algorithms optimise charge sequencing to minimise peak demand costs.



### Vehicle-to-Grid (V2G) Ready

Bi-directional energy flow support for grid services and energy cost optimisation.



### Access Control & Payroll Integration

Per-driver access lists with direct payroll deduction and employee reimbursement workflows.



### ESG Sustainability Dashboards

Fleet API and telematics integration with carbon tracking for ESG compliance reporting.



## Roaming Management



### OCPI Cross-Network Interoperability

Open Charge Point Interface protocol enables seamless multi-operator roaming agreements.



### Single Account, Any Network

Drivers access chargers across all partner networks using one unified EVCentra account.



### Automated CPO Settlement

Real-time financial reconciliation between Charge Point Operators with zero manual intervention.



### Real-Time Partner Availability

Live charger status and availability data aggregated across all roaming partner networks.



**5M+**

GLOBAL CHARGER INSTALLATIONS



**OCPI 2.2.1**

ROAMING STANDARD



**V2G Ready**

BI-DIRECTIONAL ENERGY

EVCENTRA · CMS PLATFORM · EVCENTRA.COM

# Analytics, Reporting & Insights

LIVE DATA · PULSE ENERGY 2025



## Real-Time Dashboard

Charger status, energy consumption, session data, and revenue consolidated in a single pane of glass — live, always-on visibility.



## Session & Energy Analytics

Track kWh delivered, session duration, revenue per charger, and peak usage hours with downloadable accounting reports.



## ESG & Carbon Reporting

Automated carbon-offset tracking and ESG compliance reports. Measure carbon emissions saved per session for sustainability goals.



## AI Fault Prediction & Alerts

AI-driven predictive maintenance detects faults before failure, reducing downtime and maximising charger uptime across the network.



### KEY IMPACT

15–25%

Top-line revenue uplift vs unmanaged chargers

99.9%

Target uptime with AI predictive maintenance

1 Pane

All charger, energy & revenue data unified

# White-Label & Integration Ecosystem



## White-Label Driver App

Operators deploy fully branded iOS & Android apps, RFID cards, and web portals under their own identity — zero EVCentra branding visible to end users.

iOS & Android

RFID Cards

Branded Portal



## Open REST APIs & Integrations

Connect seamlessly with CRM, ERP, fleet telematics, energy management, and smart home systems via open REST APIs for end-to-end workflow automation.

CRM / ERP

Fleet Telematics

Energy Mgmt



## Multi-Language & Multi-Currency

Global deployment ready with fully localised driver interfaces, multi-currency billing, and regional compliance support for international operator networks.

Global Ready

Localised UI

Multi-Currency



## FOTA Remote Firmware Updates

Over-the-air firmware management via backend platform with Kubernetes auto-scaling, TLS 1.3 encryption, role-based access control, and anomaly detection.

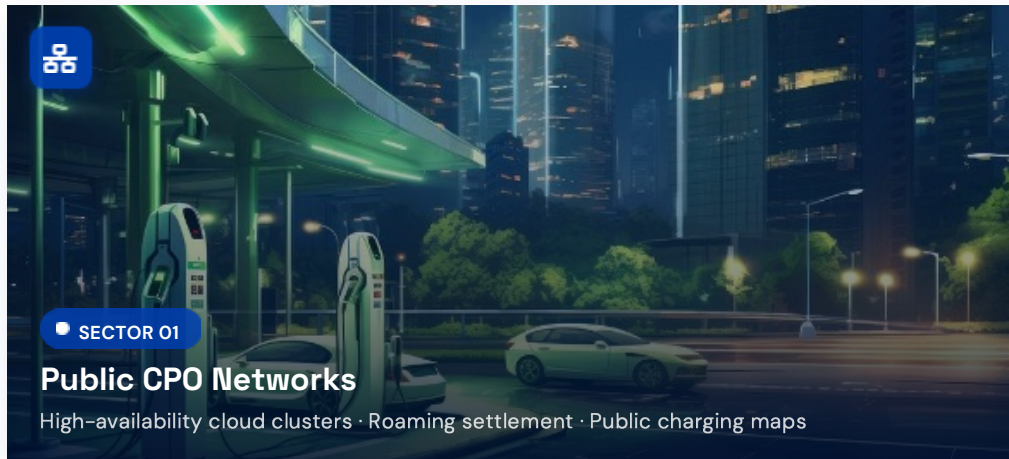
FOTA Updates

TLS 1.3

Auto-Scale

# Who We Serve

EVCentra CMS powers the full spectrum of EV charging operators



SECTOR 01

## Public CPO Networks

High-availability cloud clusters · Roaming settlement · Public charging maps

This image shows a public electric vehicle charging station at night. A green car is plugged into one of the charging ports. In the background, there are illuminated city buildings and streetlights. A small icon of a charging station is in the top left corner.

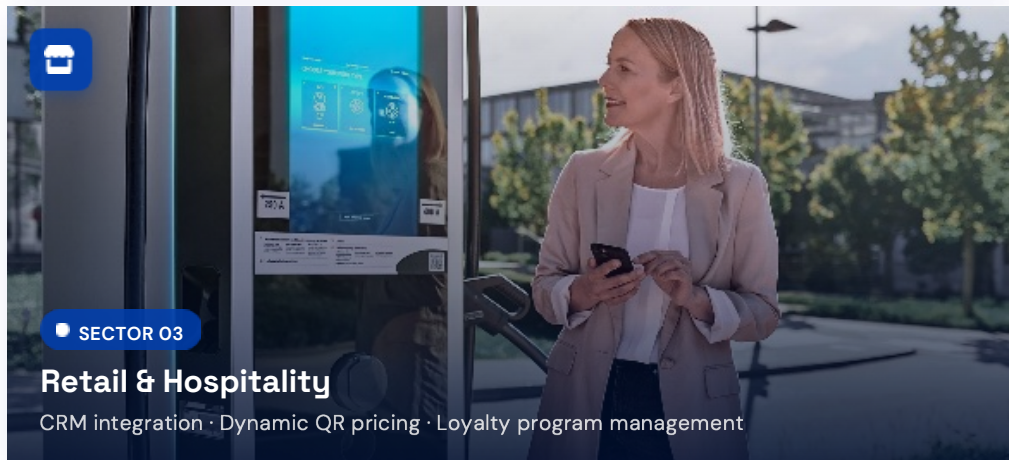


SECTOR 02

## Fleet & Depot Operators

Smart queue scheduling · V2G integration · ESG reporting dashboards

This image shows a laptop displaying a software interface for fleet and depot operators. The interface includes various charts, tables, and icons representing different vehicle types and charging statuses. A small icon of a truck is in the top left corner.



SECTOR 03

## Retail & Hospitality

CRM integration · Dynamic QR pricing · Loyalty program management

This image shows a woman in a light-colored blazer standing next to an electric vehicle charging station. She is looking at her smartphone. The charging station has a digital display showing charging progress and pricing. A small icon of a shopping cart is in the top left corner.



SECTOR 04

## Workplace & Residential

Access control · Payroll integration · Sustainability dashboards

This image shows a modern workplace or residential parking area with several electric vehicles parked under a large solar panel canopy. A small icon of a building is in the top left corner.

GET STARTED TODAY

# Ready to Power Your EV Network?

EVCentra CMS is deployment-ready in weeks — not months. Join operators worldwide running smarter, more profitable charging networks.



**1-2 Weeks**

Pilot deployment ready



**99.5%+ Uptime**

Network SLA guaranteed



**~\$10 / Port**

Per month, entry plans



**24/7 Support**

Global monitoring & help



**BOOK A FREE DEMO**

**Personalised ROI assessment**  
included with every demo session

**< 1s**

API RESPONSE LATENCY



EV CENTRA • CHARGE SMARTER. SCALE FASTER.



[www.evcentra.com](http://www.evcentra.com)



[sales@evcentra.com](mailto:sales@evcentra.com)



+1 800 EV-CENTRA

# CMS Commercial Models

FLEXIBLE PRICING STRUCTURES FOR EVERY EV CHARGING OPERATOR

DISCOM EV TARIFF  
₹4.50–7.50 /kWh

CPO GROSS MARGIN  
₹8–20 /kWh

MODEL 1Fixed + Transaction

Fixed + Transaction Fee

Predictable cost structure

ONBOARDING FEE

₹5,000

ANNUAL MAINTENANCE

₹10,000

TRANSACTION FEE

₹2 /kWh

Simple, transparent fee structure

Ideal for small to mid-size CPOs

Fixed annual commitment + per-unit billing

Best for: Simple fixed-fee operators

MODEL 2Low Txn / Revenue Share

Low Txn / Revenue Share

Flexible high-volume model

ONE-TIME ONBOARDING

₹10,000

OPTION A TRANSACTION FEE

₹1.50 /kWh

OPTION B REVENUE SHARE

8% of monthly settlement

Two flexible billing options (A or B)

Lower per-unit cost at high volumes

Revenue-aligned partnership model

Best for: High-volume charging operators

MODEL 3OCPI Integration

OCPI Integration Fee

Roaming & interoperability

OCPI FEE

₹1–₹1.50 /kWh

INTEGRATION TYPE

Per-unit roaming fee

PROTOCOL

OCPI 2.1.1

Enables cross-network roaming settlement

Interoperable with national CPO networks

Per-unit integration fee, no fixed overhead

Best for: OCPI roaming & integration

INDIA MARKET CONTEXT

25,000+

Public chargers (mid-2025)

4 Lakh

Target chargers by 2030

₹15–28/kWh

Public DC fast charging rate

₹8–20/kWh

CPO gross margin spread

₹4.50–7.50/kWh

DISCOM EV tariff range

# Measurable Returns from Day One

VERIFIED INDUSTRY BENCHMARKS



70%

Reduction in back-office billing & admin labour



25%

Average revenue uplift per charger vs. unmanaged



45%

Improvement in asset utilisation via smart load mgmt

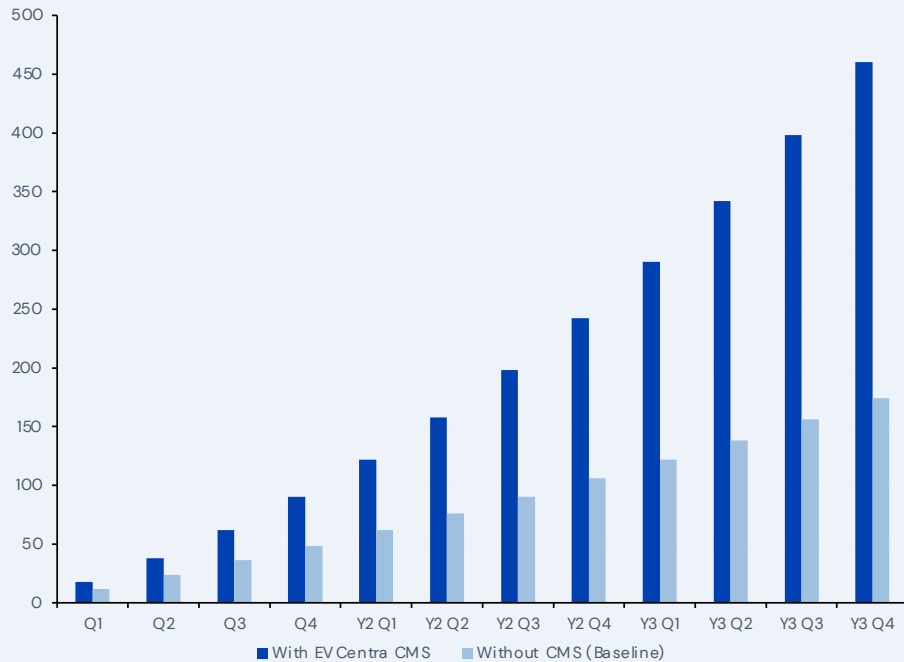


< 18 mo

Typical payback period for CMS deployment



CUMULATIVE REVENUE IMPACT — MANAGED VS. UNMANAGED (100-CHARGER NETWORK, ₹ LAKHS)



## Automated Billing Savings

Eliminate manual reconciliation, reduce errors, and cut billing staff costs by 70% through full automation.

₹12L+  
saved/year



## Uptime & Revenue Protection

AI fault prediction and remote diagnostics keep chargers online, protecting 15–25% more revenue vs. unmanaged networks.

99.5%  
uptime SLA



## Energy Cost Reduction

Smart load balancing and time-of-use optimisation cut peak demand charges significantly for depot operators.

45%  
utilisation gain



## Fast Deployment, Fast Returns

Pilot-ready in 4–6 weeks. Most operators achieve full ROI within 18 months of CMS go-live.

4–6 wk  
to go-live

# CMS-Powered vs. Unmanaged Networks

🏆 EVCENTRA CMS WINS ON EVERY METRIC

|                                                                                                         | ❌ Unmanaged Network                                                                                                                                      | ✅ EVCentra CMS-Powered                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  Uptime Reliability    | <b>70–80%</b><br>Frequent downtime due to undetected faults, no remote diagnostics or predictive alerts.<br><span>⚠️ High Revenue Loss Risk</span>       | <b>≥ 99.5%</b><br>AI-driven fault prediction, remote reboot, and 24/7 monitoring ensure maximum charger availability.<br><span>✅ SLA Guaranteed</span>         |
|  Revenue per Charger   | <b>Baseline</b><br>Static pricing, no dynamic tariffs, missed peak-hour revenue opportunities.<br><span>↓ Suboptimal Yield</span>                        | <b>+15–25%</b><br>Dynamic pricing, time-of-use tariffs, and smart session management maximise revenue per port.<br><span>↑ Verified Uplift</span>              |
|  Operational Costs     | <b>High</b><br>Manual billing, on-site fault resolution, and fragmented hardware management drive up OpEx.<br><span>❌ 70% More Admin Labour</span>       | <b>–70% Admin</b><br>Automated billing, remote diagnostics, and unified dashboard eliminate manual overhead entirely.<br><span>✅ Lean Operations</span>        |
|  Driver Experience    | <b>Poor</b><br>No real-time availability, limited payment options, no app — drivers face friction at every step.<br><span>⚠️ High Churn Risk</span>      | <b>Premium</b><br>White-label app, QR/NFC/RFID payments, real-time status, push notifications — seamless experience.<br><span>✅ Loyalty &amp; Retention</span> |
|  Network Scalability | <b>Limited</b><br>Each new charger brand requires separate integration; no roaming, no fleet support, no API ecosystem.<br><span>🔒 Vendor Lock-in</span> | <b>Unlimited</b><br>OCPP 1.6/2.0.1 hardware-agnostic, OCPI roaming, open APIs — scale from 10 to 10,000 chargers seamlessly.<br><span>✅ Future-Proof</span>    |



**The verdict is clear:** CMS-powered networks consistently outperform unmanaged ones across every dimension — delivering higher uptime, more revenue, lower costs, better driver experiences, and unlimited scalability. The question isn't *whether* to adopt a CMS — it's *how soon* .

[📅 BOOK A DEMO](#)

NO TECH JARGON — PLAIN & SIMPLE

# How EVCentra Works for You

*"You don't need to understand the technology —  
you just need to see the results."*

1



## Install Any Charger

Connect chargers from any brand — we work with all of them. No need to buy specific hardware from us.



### OCPP — The Universal Plug

**Think of OCPP like a USB port.** Just like any USB device works in any USB port — regardless of brand — OCPP lets any charger work with our software. You're never locked into one hardware brand.

✓ Works with 200+ charger brands

2



## We Connect & Manage

Our software connects to your chargers over the internet. You get a dashboard to see everything — live, from anywhere.



### OCPI — Mobile Phone Roaming

**OCPI works like mobile phone roaming.** When you travel abroad, your phone still works on another network. Similarly, your EV drivers can charge at any partner network — one account, one bill, no hassle.

✓ Charge anywhere, pay once

3



## Earn & Save Automatically

Drivers pay automatically. Bills are generated. Energy is optimised. You just watch the revenue grow.



### CMS — Your Smart Manager

**Think of CMS as a 24/7 manager for your chargers.** It monitors every charger, fixes problems remotely, collects payments, and sends you reports — so you don't have to do any of it manually.

✓ 80% of issues fixed remotely



**Bottom line:** You install chargers. We handle everything else — monitoring, billing, energy savings, driver experience, and reporting. It's like having a full operations team, for a fraction of the cost.

FOR EVERY STAKEHOLDER

# What's In It For You?

 BENEFITS FOR EVERY ROLE



BUSINESS OWNER / CPO

**More Revenue,  
Less Headache**

- ✓ **Earn more** from every charger with smart pricing
- ✓ **Cut admin costs** by 70% — billing runs itself
- ✓ **See everything** on one dashboard, anywhere
- ✓ **Scale easily** — add 10 or 10,000 chargers

ROI in < 18 months



FLEET MANAGER

**Every Vehicle  
Ready Every Morning**

- ✓ **Smart scheduling** — vehicles charged in priority order
- ✓ **One bill** for all charging across all locations
- ✓ **ESG reports** ready for compliance — auto-generated
- ✓ **Charge anywhere** — any network, one account

35% average cost reduction



SITE HOST / RETAILER

**Attract Customers,  
Earn Extra Income**

- ✓ **Earn revenue** from chargers on your property
- ✓ **Attract EV drivers** who spend more time at your site
- ✓ **Zero management** — we handle everything remotely
- ✓ **Your brand** on the app — loyalty & repeat visits

New revenue stream, zero ops



EV DRIVER

**Charge Anywhere,  
Pay Instantly**

- ✓ **Find chargers** near you on the app — real-time
- ✓ **Pay your way** — UPI, card, wallet, QR code
- ✓ **Get notified** when charging is done — no waiting
- ✓ **One account** works across all partner networks

Seamless. Fast. Reliable.



**1–2 Weeks to Go Live**

From contract to first charging session



**24/7 Support**

Our team monitors your network round the clock



**99.5% Uptime Guaranteed**

Your chargers are always available for drivers



**Works with Any Charger Brand**

No hardware lock-in — ever



— LET'S GET STARTED

# Ready to Power Your **EV Network?**

Talk to our team today. We'll understand your needs, show you a live demo, and give you a personalised ROI estimate — completely free.



CALL US

**+91 70132 70321**



EMAIL US

**syam@evcentra.com**



VISIT US ONLINE

**www.evcentra.com**



**BOOK A FREE DEMO**

## WHY CHOOSE EVCENTRA

### Our Promise to **Every Customer**



#### **Go Live in 1-2 Weeks**

From contract signing to your first live charging session — fast, hassle-free **1-2 wk** deployment



#### **99.5%+ Network Uptime**

AI-powered monitoring keeps your chargers running — we fix issues before **99.5%** drivers notice



#### **24/7 Dedicated Support**

Our team monitors your network round the clock — you're never alone

**24/7**



#### **Works with Any Charger Brand**

OCPP-certified — no hardware lock-in, ever. Use what you have or what you prefer **200+**



**"Power Every Charge. Manage Every Station."**

**EVCentra — India's Smart EV Charging Management Platform**