



ChargeID

Plug in, Power up, Glide on.

Where to charge your Electric Vehicle (EV)?

EVgo®



IONITY

wallbox

VIRTA

bp pulse

SIEMENS

COMPLEO

greenway

Fortum
charge & drive

Which is the Cheapest?

it's electric

Allego>

T E S L A
SUPERCHARGER

Which is the Closest?

GRIDSERVE®
sustainable energy



Which is the Fastest?

blink

INSTAVOLT

EV Charging is a Chaos!



7

Different Charging Types
with varying speeds, plugs,
and costs

238

Different Charging Providers
in Europe

3,5M

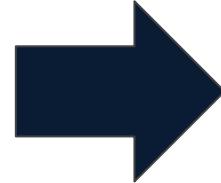
Charging Points
in Europe by 2030

EV Charging is Not Smart At All!

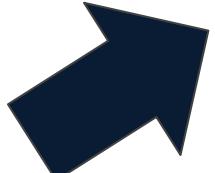
Chargers don't know who you are



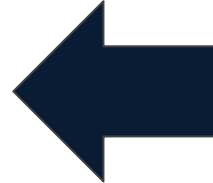
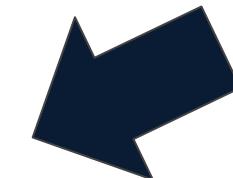
Vehicles can't tell chargers what they actually need



No trusted relationship between driver ↗ vehicle ↗ charger



'Semi-public' charging (workplaces, fleets, retail)



No transparency about costs, time, prioritization, or grid conditions



No negotiation between stakeholders

The Solution: ChargeID



ChargeID

Launch App →

Decentralized Identity Meets Smart Charging

AI-Optimized EV Charging with Decentralized Identity

ChargeID revolutionizes electric vehicle charging through secure DID authentication, intelligent AI optimization, and real-time energy management.

Get Started

- **Smart EV Charging Across All Vendors**
- **Full Transparency**
- **Optimizing via AI-powered Negotiation**
- **Secure Exchange of Information with Decentralized IDs**



Decentralized Identity

Secure peer-to-peer authentication using DIDs for drivers, vehicles, and charging stations. Complete privacy and control over your data.



AI-Powered Optimization

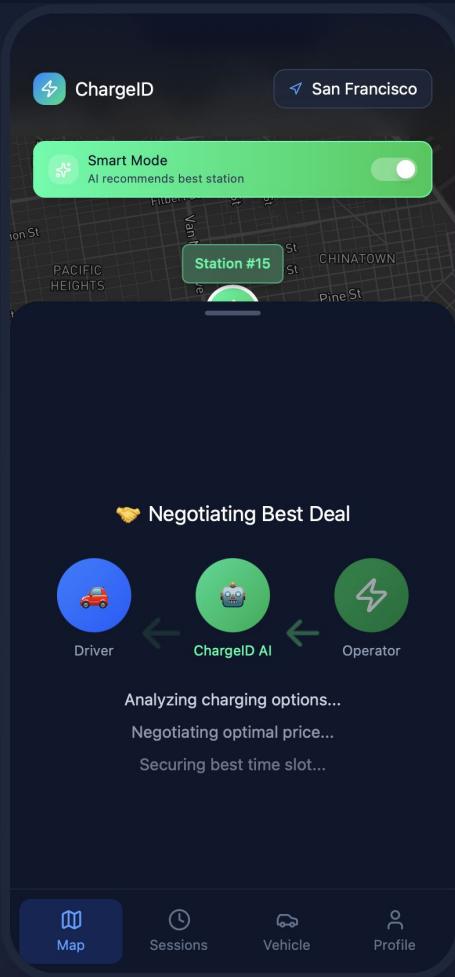
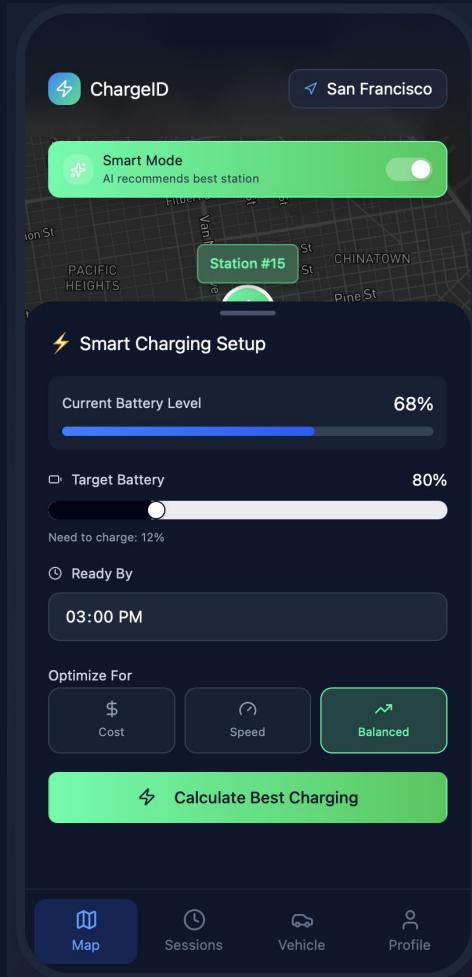
Intelligent charging plans that balance cost, speed, and grid constraints. Save money while meeting your departure deadlines.



Fleet Management

Operator dashboard with real-time insights, capacity planning, and site-wide energy optimization for maximum efficiency.





Using ChargeID means...



- **Smart, Context-Aware Charging Plans**
Negotiates between driver, vehicle, and charge-point to create the optimal charging plan.
- **Seamless DID-Based Authentication**
Driver, vehicle, and charger auto-authenticate in seconds - no apps, no cards, no manual input.
Secure, private, and frictionless.
- **Upcoming: Predictive Insights for Operators**
Real-time anomaly detection, demand forecasting, and usage analytics – reducing downtime, optimizing energy costs, and increasing charger utilization.

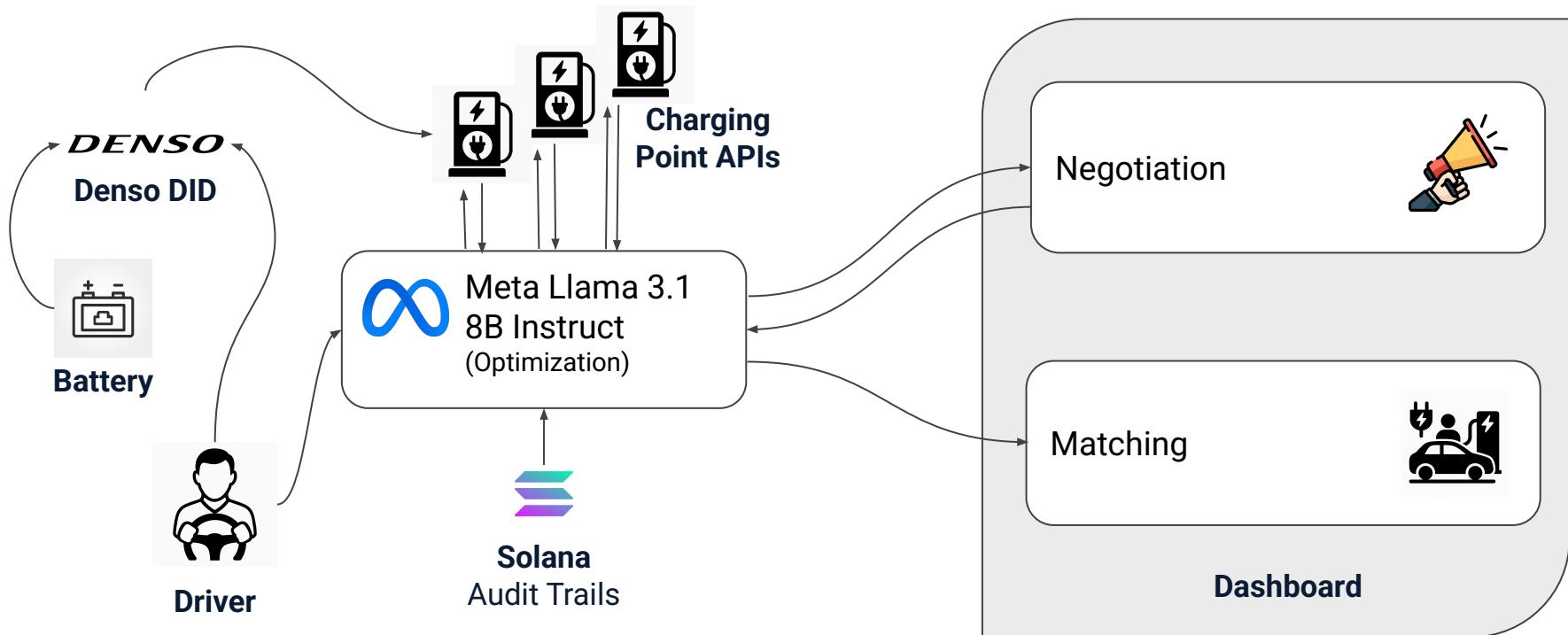
Today

Yesterday

Tomorrow



Under the Hood



Team

Mai
TU Darmstadt

Elias
TU Wien

Khai
Hochschule
Bonn-Rhein-S
ieg

Tuan
Uni zu Köln





ChargeID

Questions?

If not, spread the word!