werenode

WEB 3.0 ENERGY ECOSYSTEM

Low cost EV charging infrastructure with advanced services

OUR MISSION

Empower everyone's mobility through smart, affordable, and eco-friendly electricity !

THE PROBLEM

- **Insufficient** public charging infrastructure.

- **Fragmented** charging networks lacking interoperability.

- **Battery cost** is not decreasing as expected.

- **Cost of destination charging** is too high.

- **Mass charging at peak hours** weighs on the electric networks.

Ah ! No free plug ...

How come it's so expensive !

Do you have the badge ?
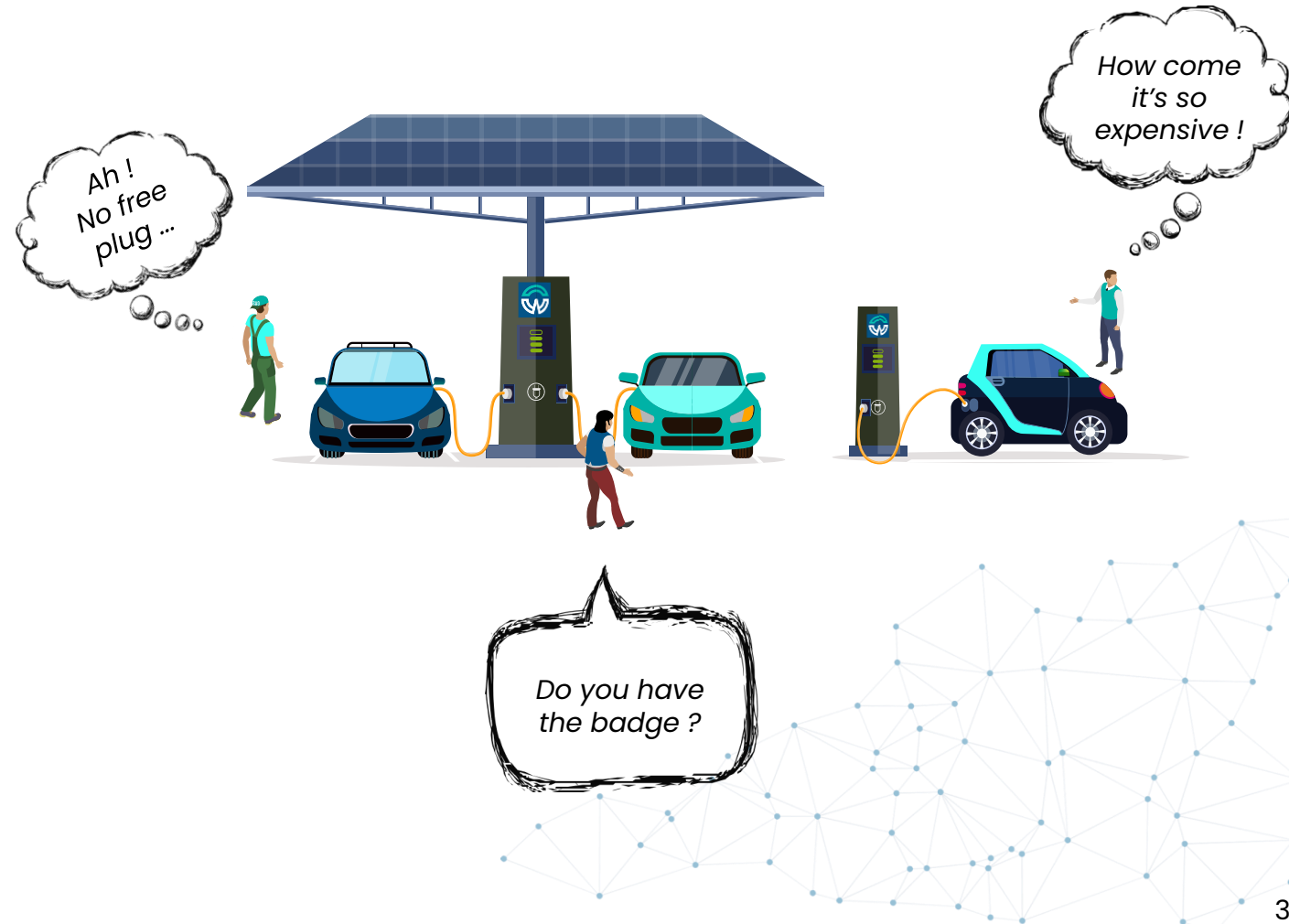
OUR SOLUTION

We create an open connected framework to manage EV charging and energy

» Densifying the charging network -> smaller batteries possible

» Hardware independent -> low cost simple plugs can be shared

» Low operational costs (Web3.0) -> lower cost of destination charging

» E2E control of the charging session -> smart charging functionalities

» Decentralized marketplace -> high scalability

EV charging App

PV production

EMS

Battery
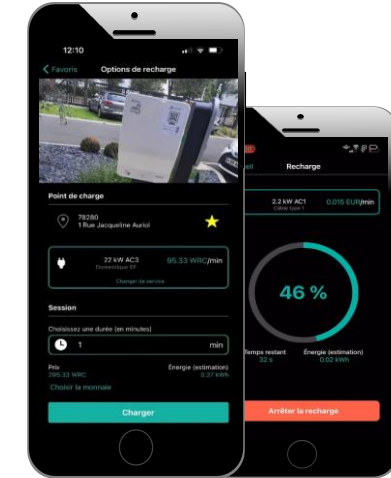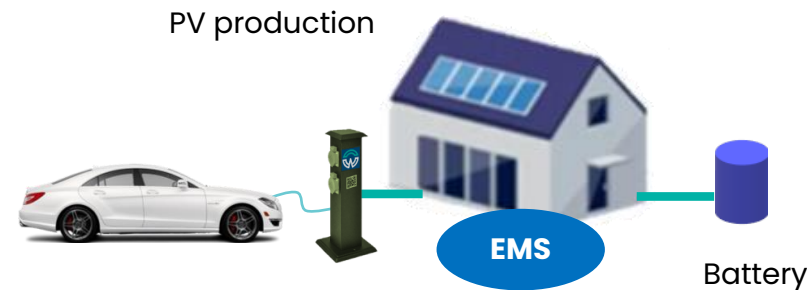
Decentralized Energy Management System

OUR CUSTOMERS

Best traction

EV drivers
Free app, minimal commissions.

Charging station operators
Can benefit from our community
and the native interoperability of
our solution.

Revenue = Commission on transactions

Individuals who share their charging points.

Small businesses/town halls/hotels.

Restaurants, Bed & Breakfast...

Revenue = Project installation & Subscriptions

EV CHARGING MARKET

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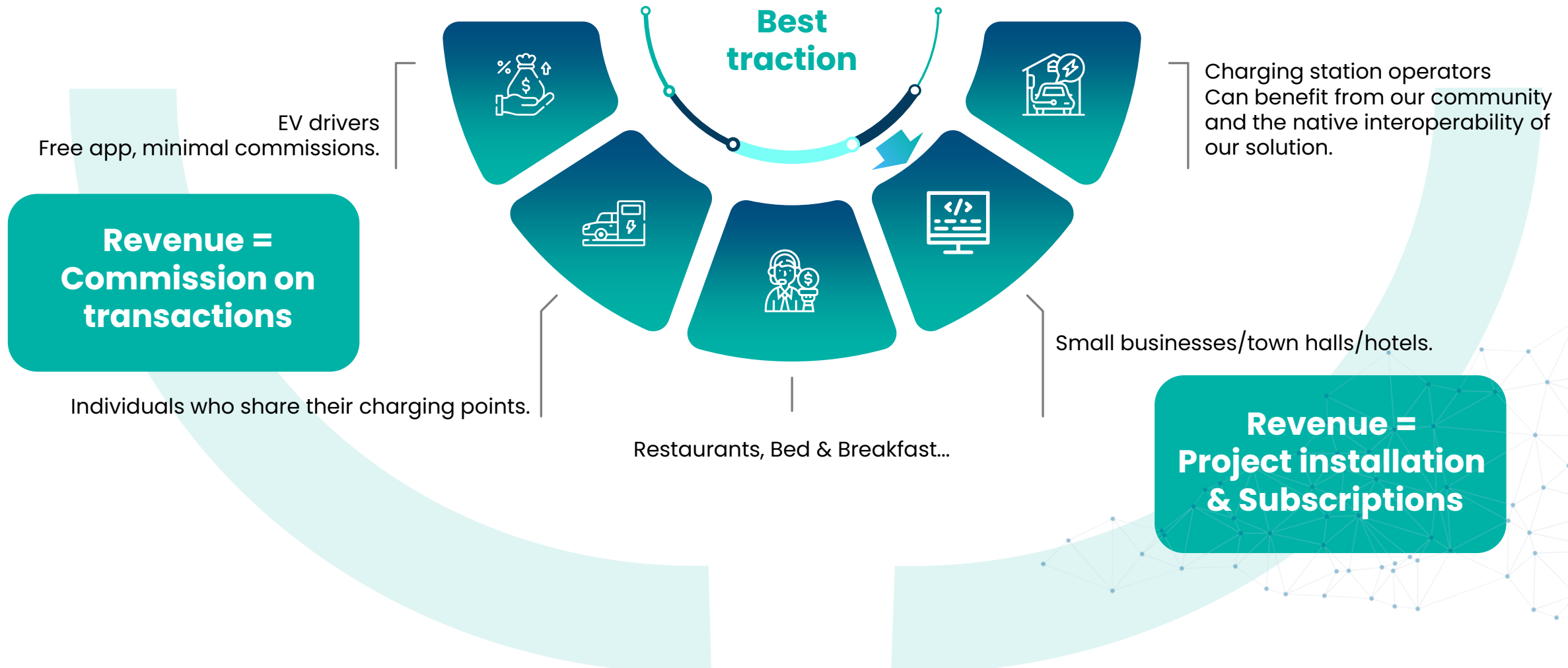
Public charging points market: >35% annual growth towards 2027

+ Aggressive mandated growth forecasts to 2030

Home and workplace charging points: x1 0 potential

New value fields: Smart Charging, V2G

Cumulative global installed charging infrastructure

Home & Work

Legend: 7-22kW home, 7-22kW work

Public

Legend: 7-22kW, 50kW, 150kW, 350kW
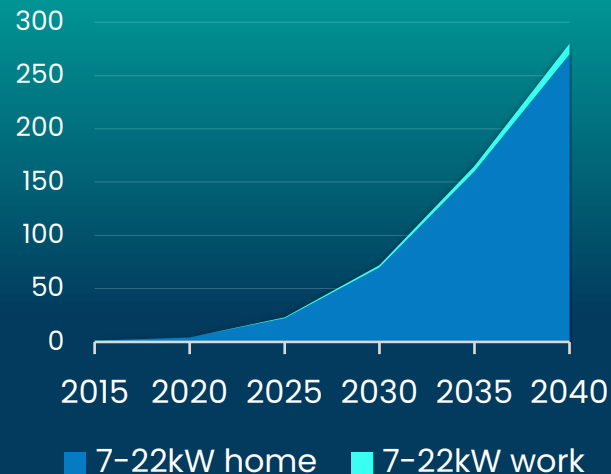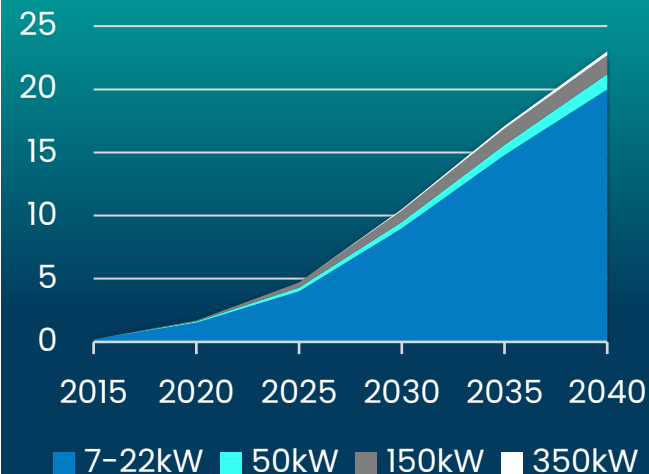
Millions of connectors – Source: BNEF

Commission fees on charging sessions

	2022	2025	2030
TAM	$1.02B	$3.9B	$10.8B
SAM	$0.34B Europe	$2.92B Europe + NA	$10.8B World

VALUE FLOW

-Commissions
-Service fees

Commissions
6% - 9%

Monthly fee for
additional services

~10€/charge

3 charges/month out
of home and work

Operational cost per transaction 0,10€

SOME COMPETITORS

EVDC
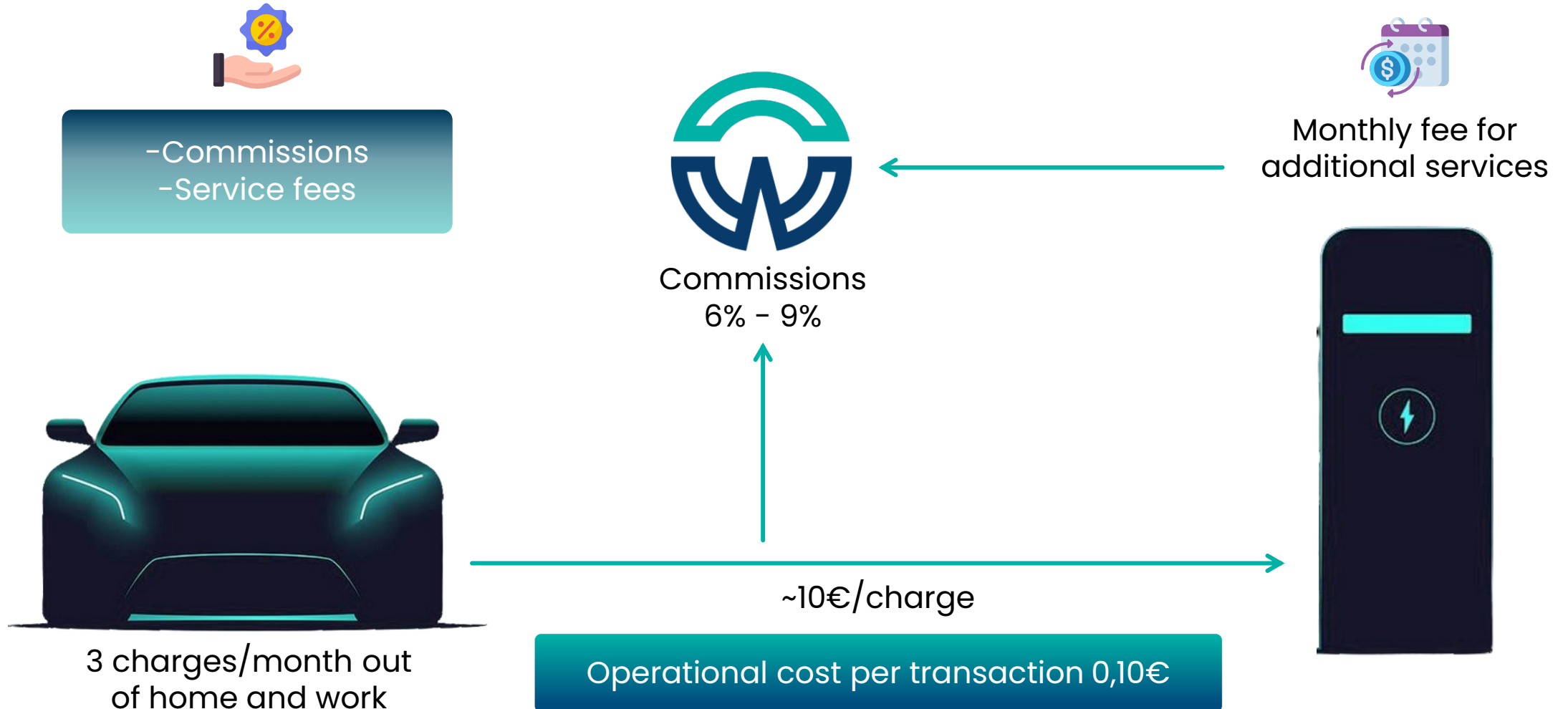
Blockchain payment for EV fast charging using Ethereum (CO_2 issue)

Plug Inn

Services for finding and booking public and private charging stations

EVmatch

Share EV Charging Infrastructure with other EV Users (no simple payment).

Some others

CoCharger — together we're electrifying

PlugShare

Bookmycharge

Charge Fairy

placetoplug — CHARGING EVERYWHERE

QoWatt

None of these competitors leverages a full Web3.0 ecosystem.

COMPETITIVE ADVANTAGES

EV massification ready !!

Very low investment / charging point

Very low operational costs (blockchain)

Open to two-wheelers

No hardware dependency (OCPP + IoT)

Decentralized marketplace scalability

User groups management

MARKET OPPORTUNITY
LOW COST CHARGING INFRASTRUCTURE

Vehicle + battery price acceptability

k€

75

60

45

30

15

Premium cars

Lower household budget

Third hand used cars

Home charging

Fast charging

Charging price acceptability

€/kWh

0.20   0.40   0.60   0.80   1.00
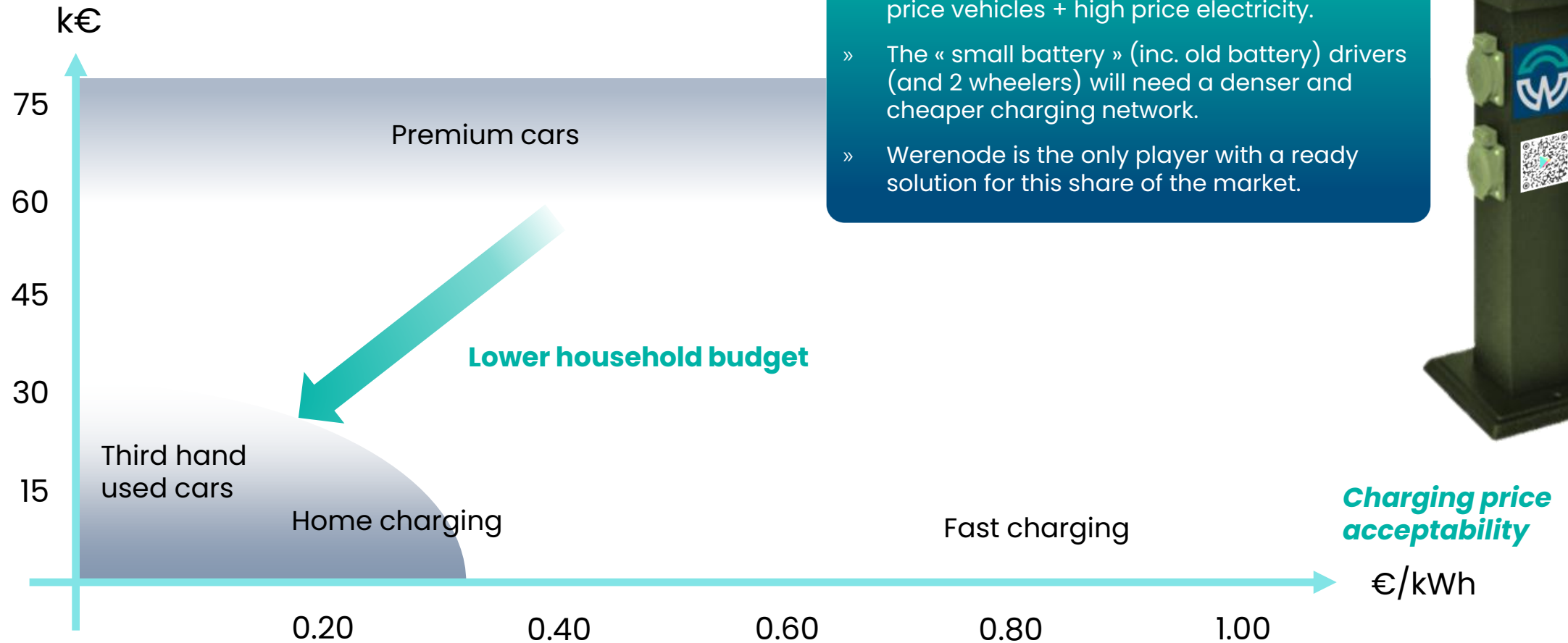
TCO based comparison with current ICE market

» A large part of the drivers will not afford high price vehicles + high price electricity.

» The « small battery » (inc. old battery) drivers (and 2 wheelers) will need a denser and cheaper charging network.

» Werenode is the only player with a ready solution for this share of the market.

HISTORY & ROADMAP

GO TO MARKET STEPS

B2B EV charging
massification solution

Crypto payment
gateway for EV charging

P2P EV charging
marketplace

Dec 2024 — 1000 charging stations operated

Jun 2024 — App compatible with 100k charging stations in Europe

Dec 2023 — eMobility Service Provider certified by Girève interoperability platform

Nov 2023 — Plastic Omnium Innovation Grand Prix

Jan 2023 — Paris&Co Quartiers d'Innovation winner

Oct 2022 — European Project NGI Ontochain winner

Aug 2022 — Werecoin ranking in Top #2000 cryptos

Oct 2021 — MVP launched

werenode

THE TEAM

Benoît MAÏSSEU* – CEO

Electric Vehicles - Radiocom
EADS, Renault Nissan
Supélec – Economy Sorbonne

Nadiya KHOKHRYAKOVA* - President

Entrepreneur
BBA Kharkov
PhD Geopolitics Sorbonne

François CHIRON* - CTO

IT & Payment
Société Générale, UVW
Polytechnique - Supélec

*Co-Founders
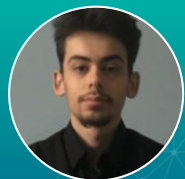
Lucas GONCALVES

Full stack development
Blockchain
ESIEE Paris

François COLET*

Expert EV charging
ISO15118 co-author
ENSPG Physics

Evgenii ZHDARKIN

Full stack development Blockchain
Novosibirsk State University
SupAéro Toulouse

ADVISORS

Gaëtan CADERO *
Strategy and Operation Advisor
Accenture, Lafarge, Chronopost
VP Supply Chain OVH Cloud
Centrale Paris - Finance HEC

Elena SOUILLER FEDORENKOVA
Marketing Advisor
Renault Nissan, Ambrosia, Trooper
INSEAD – Sciences Po – MBA Moscow
University

*Co-Founders

Richard PANKANIN
Cybersecurity Advisor
SCASSI Conseil
Head of Automotive Skill Center
ISEN

Benoit ROGNIER *
Tezos Blockchain
KXEN consulting, Edukera ENSICaen -
Nottingham University

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LATEST ACHIEVEMENTS

Integration into the European Blockchain Project for Next Generation Internet (NGI Ontochain & Trustchain)

Winner 2023 « Quartiers d'Innovation »

» **Test site with Mairie de Paris → 12 charging stations**

P2B exchange listing of our token BWRC

THE FUTURE OF ENERGY FOR MOBILITY GRAND PRIX

Winner 2023

200 users and a digital community:

1500 community members

5500 followers

1400 followers

2400 followers

PARTNERS & SUPPORTS

werenode

Winner 2023 — OP × SoScience, THE FUTURE OF ENERGY FOR MOBILITY GRAND PRIX

Winner 2023 — QUARTIERS D'INNOVATION URBAINE, Urban Lab

Winner 2021 — B-hub Blockchain for Europe
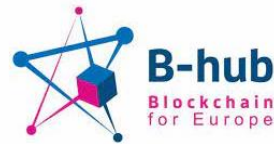
21ST BY CENTRALESUPÉLEC

bpifrance

Systematic Paris Region Deep Tech Ecosystem

blockspot.io

Planet Tech'Care - SIGNATAIRE -

COINBRAIN

PancakeSwap

spicyswap.xyz

NGI TRUST CHAIN

NGI ONTOCHAIN

PARIS&CO

La FRENCH TECH PARIS SACLAY

Genaris

ARCHETYPE

edukera

OUR VISION

Decentralization

freedom

Energy

Mobility

GET IN TOUCH

WEBSITE

werenode.com

EMAIL

benoit.maisseu@werenode.com

francois.chiron@werenode.com

contact@werenode.com

PHONE

+33 6 72 43 23 84
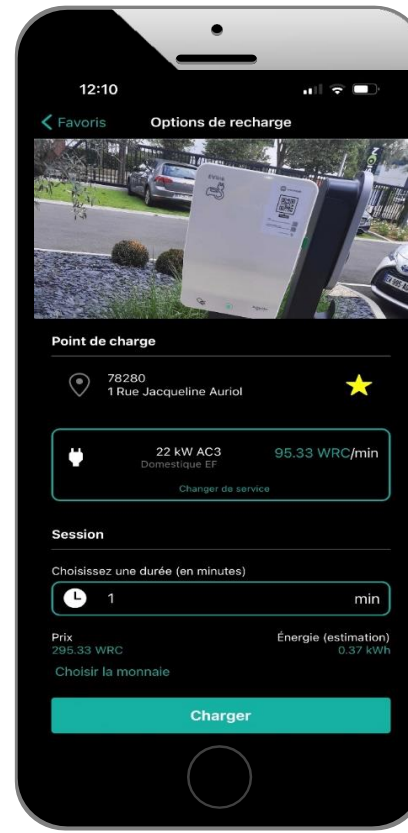
+33 6 88 62 50 49
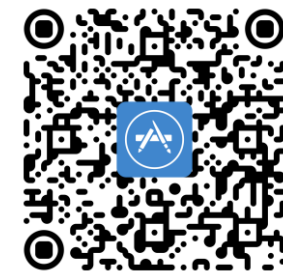
ANNEXES

OUR PRODUCT

We have developed the key components which are currently working on a pilot scale:

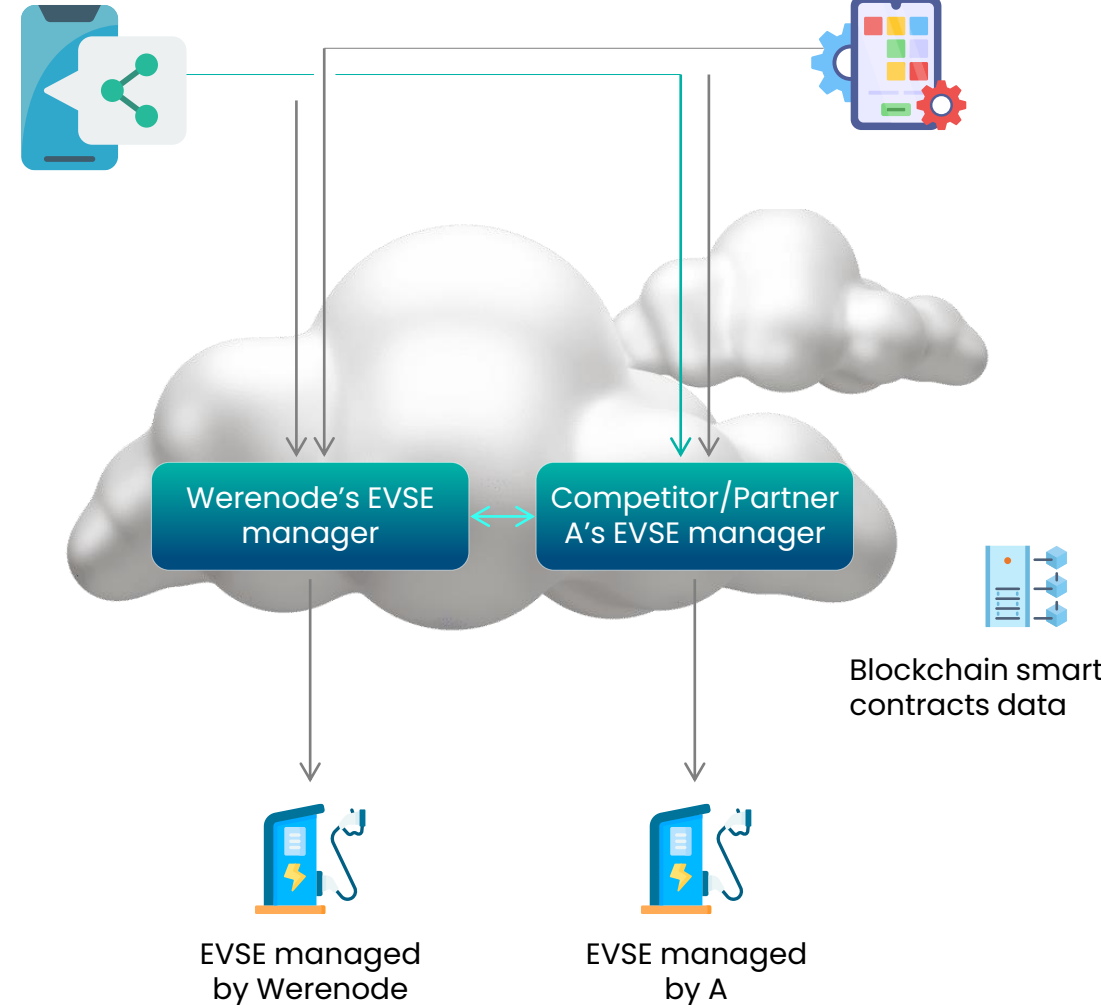Tezos & EVM Smart Contracts architecture & DApp

IoT and OCPP servers

AI algorithms for smart charging

Full end-to-end control of the charging session

Same shared App

Or another App

Werenode's EVSE manager

Competitor/Partner A's EVSE manager

Blockchain smart contracts data

EVSE managed by Werenode

EVSE managed by A

12:10
Favoris   Options de recharge

Point de charge

78280
1 Rue Jacqueline Auriol

22 kW AC3   95.33 WRC/min
Domestiqué EF
Changer de service

Session

Choisissez une durée (en minutes)
1   min

Prix   Énergie (estimation)
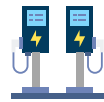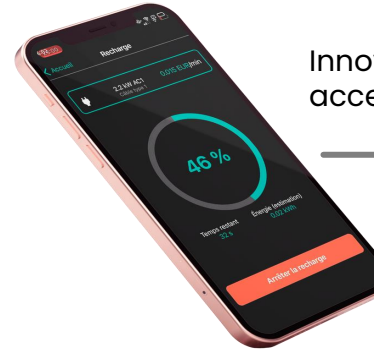295.33 WRC   0.37 kWh
Choisir la monnaie

Charger

SMART CHARGING

Several features:

» Price optimization

» Power balancing

» Network services (frequency balancing, peak shaving)

» Eco-branding

Charging stations or simple connected plugs

Innovative HMI to increase acceptability for the user.

Charge request

Example of price optimization:

Control of terminals in real time to charge at the cheapest times while respecting the customer request (per new HMI approach)

Smart Charging algorithm

Werenode's server

Elasticity by algorithm rather than by sacrificing the user service.

OUR ECOSYSTEM AT A GLANCE

Flexibility aggregator

Smart charging service

Cell network

CPO B backend

Node

Node

CPO A backend

Node

Node

eMSP D backend

eMSP C backend

Open source nodes are operated by Werenode or by any other ecosystem player.
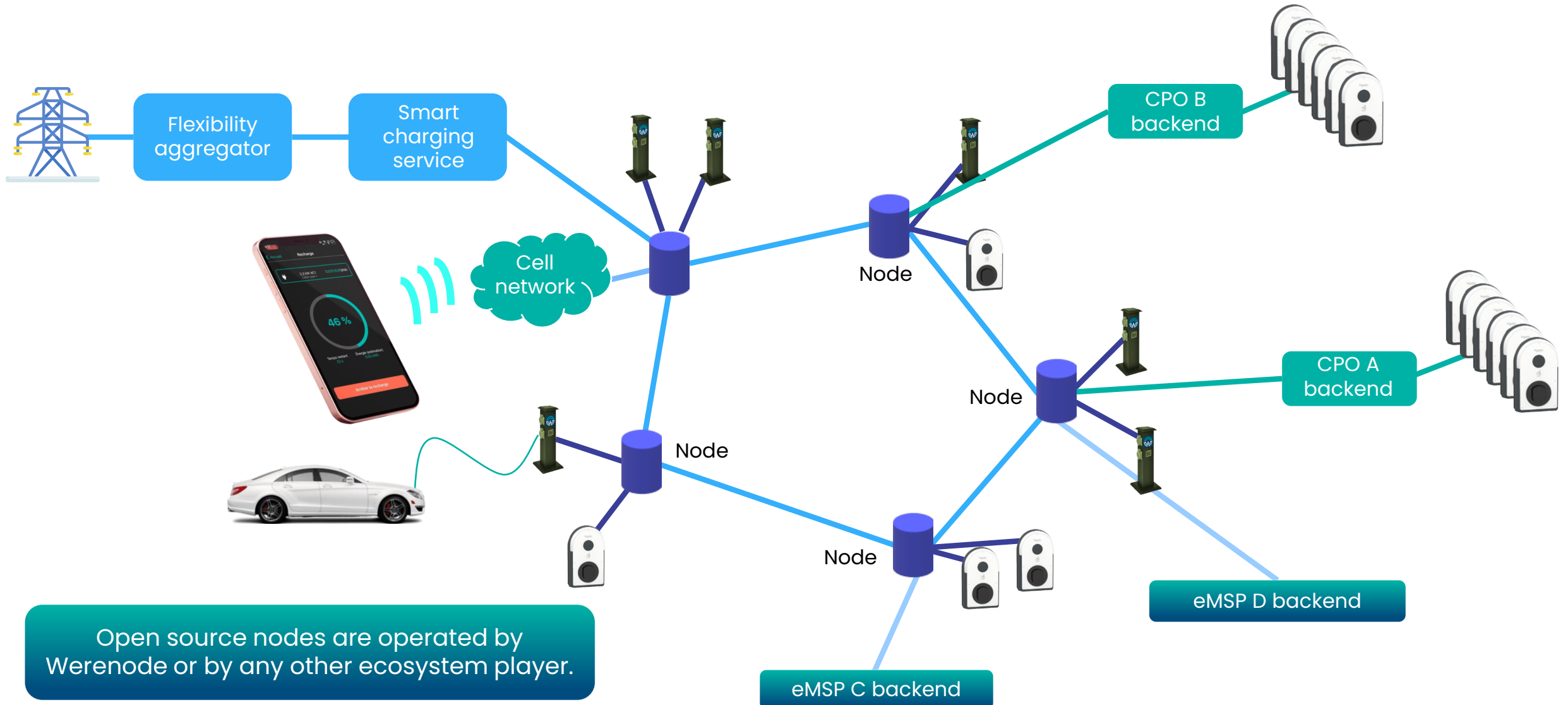
A SMART ENERGY BOX IN EACH HOME

From under optimized point to point algorithms
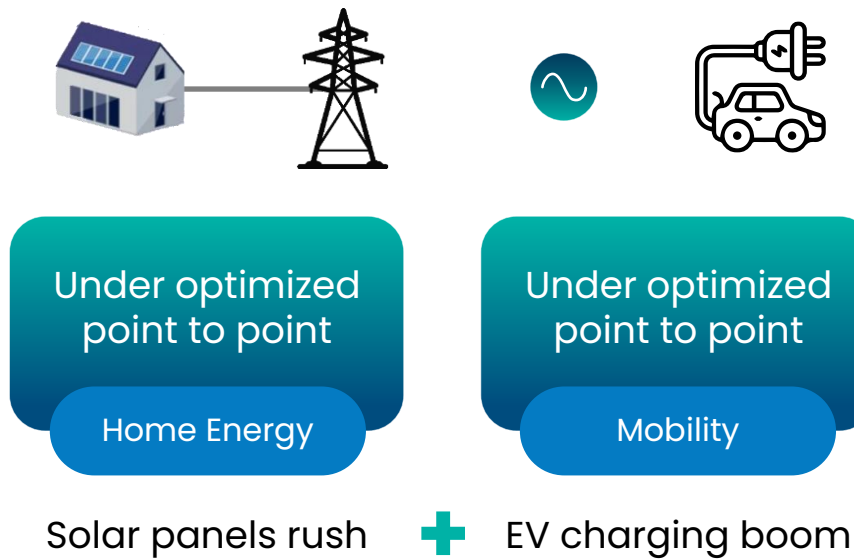
To smart & decentralized energy communities with electricity transfers

Under optimized point to point

Home Energy

Under optimized point to point

Mobility

Solar panels rush + EV charging boom

Web3.0 open market valuation

Network of smart energy nodes for home and mobility

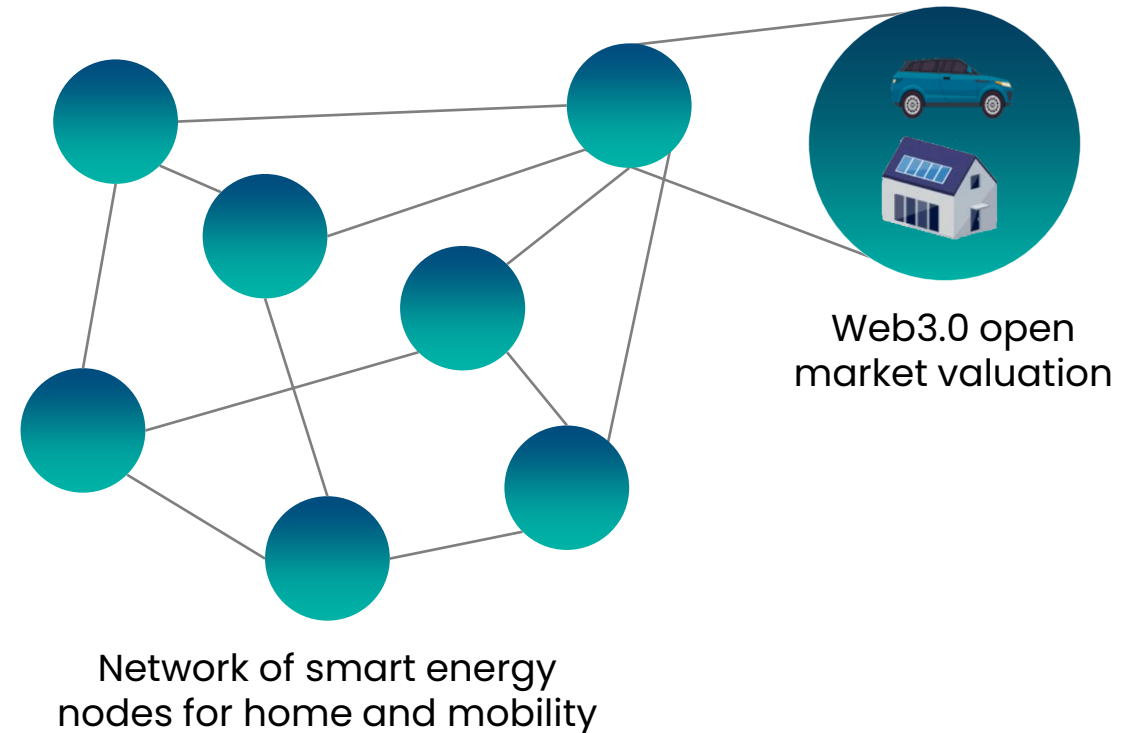# DECENTRALIZED ENERGY SYSTEM

PV production

Battery storage

Monitoring App

EMS

EMS

Supervisor

Data Acquisition and AI Engine

Energy Management System

EMS BOX

w or w/o battery storage

Energy metering & management box

Decentralized valuation mechanism

DECO BOX

EMS

Smart charging & V2X

EMS

Other local production

Electricity flows

Software updates & data acquisition

Supervision

COMPETITORS MAP

Market coverage

- 2-wheelers
- Slow charge
- Fast charge
- Easy scalability
- No hardware dependency

Shargy

Charzin **

Bookmycharge

LOADER * **

Plug Inn

WATTPARK

Plugshare

***

***

P2P marketplace
E2E control
Booking
Payment & Billing
Blockchain

Innovation & Functionalities

* Beginning in blockchain   ** Using blockchain   *** Fully using blockchain

A blockchain technically meets all these key requirements:

» It is a secure database

» The blockchain data are public

» It allows the issuance of large numbers of secure digital certificates

» It is an open and decentralized tool

» It allows native roaming between ecosystem partners.

I just need to pay when I charge, there's no monthly fee!

This is much simpler, and the roaming is free!

Just download Werenode's app and create your account.

And it's the same app to charge at my office and my favorite shopping amll!
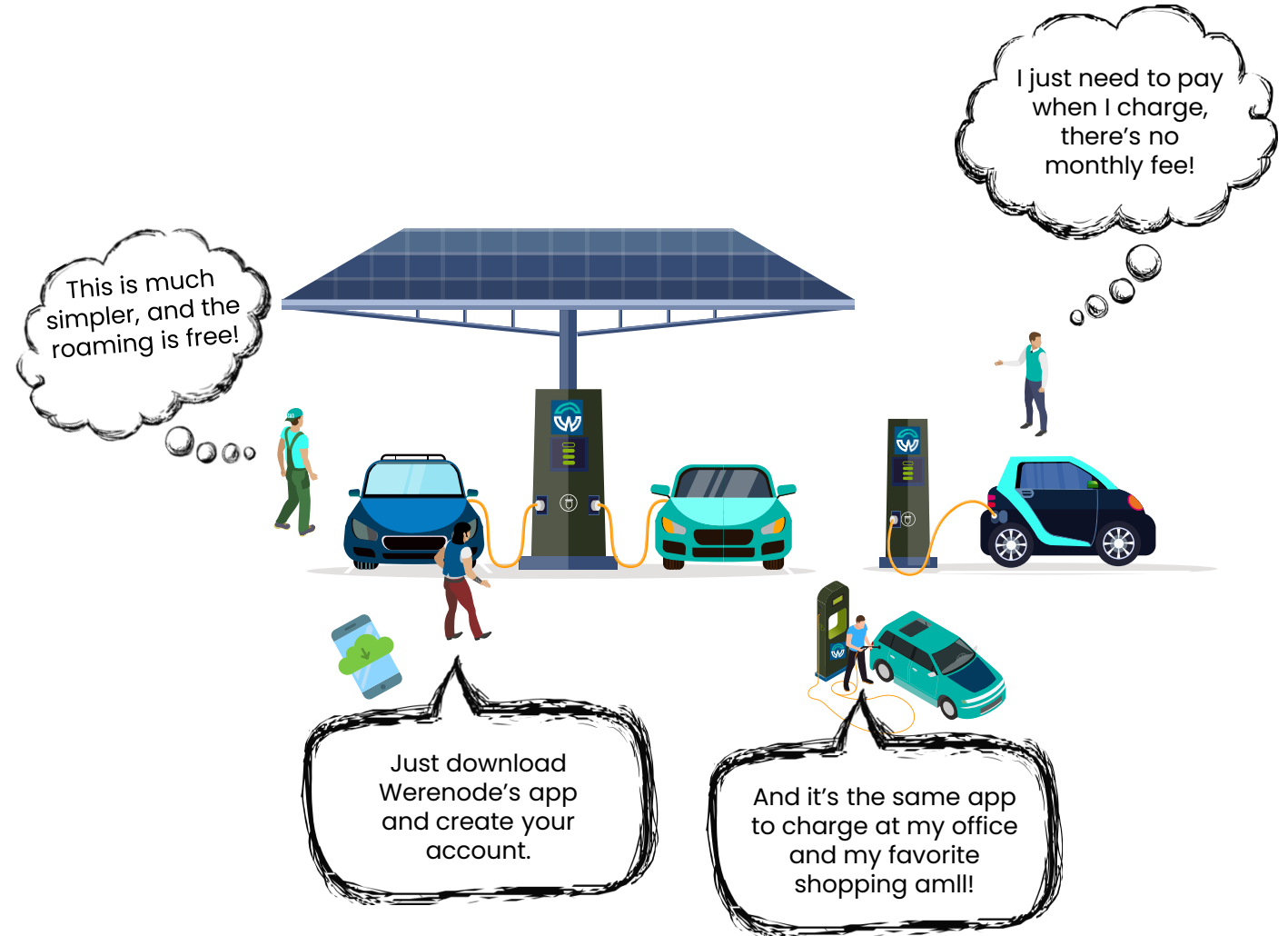
FINANCIALS & FUND RAISING

	2024	2025	2026	2027	2028
GOP	–75K€	640K€	2.1M€	9M€	26M€
%		18,2%	19,0%	37,8%	52,8%
Staff	7	13	20	27	36
Fund raising	700k€				

Fund raising:

2024	⟶	700k€
Equity	--------	500k€
Non-dilutive	--------	200k€

Software dev	40%
Marketing & Sales	35%
Customer Support	10%
Blockchain	5%
Other	10%

KPI

Charging Session (/y)　　Turnover (€/Y)　　Net income (€/y)
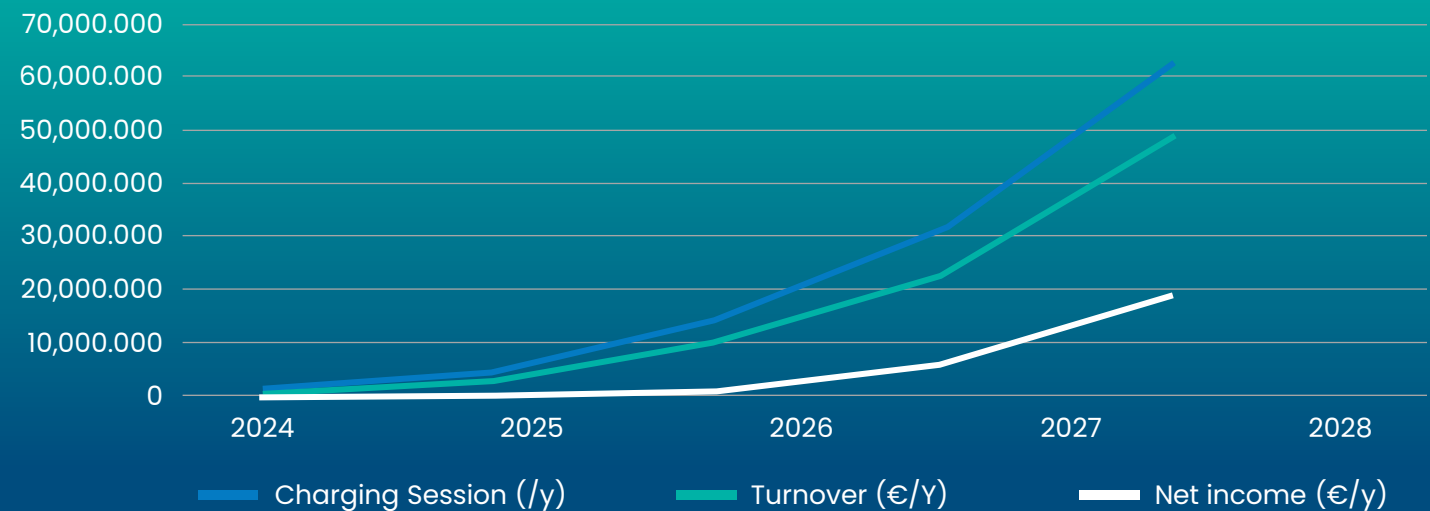
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Moreover, this in no way constitutes an offer from Werenode and no other form of commitment.