



Enabling
Ultra-Fast
EV Charging
Anywhere



August 2023

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We develop,
manufacture & market

revolutionary Power Boosters

Enabling & accelerating
widespread
deployment of

**EV ultra-fast charging.
Today. Anywhere.
For Good.**



Experienced Leadership Team

Proven track record of scaling high-growth high-tech companies



Avi Cohen
Executive Chairman



Boaz Weizer
Chief Executive Officer



Ruth Smadja
Chief Financial Officer



Ilan Ben David
Co-founder & Chief Technology Officer



Nir Zohar
Co-founder & Chief Customers Officer



David Pincu
Co-founder & Chief Engineer



Eyal Blum
Chief Revenue Officer



Udi Tzuri
VP Product & Marketing



Jordan Buchler
Chief Operations Officer



Sigal Horesh
Head of Human Resources



Tal Harmon
VP Research & Development

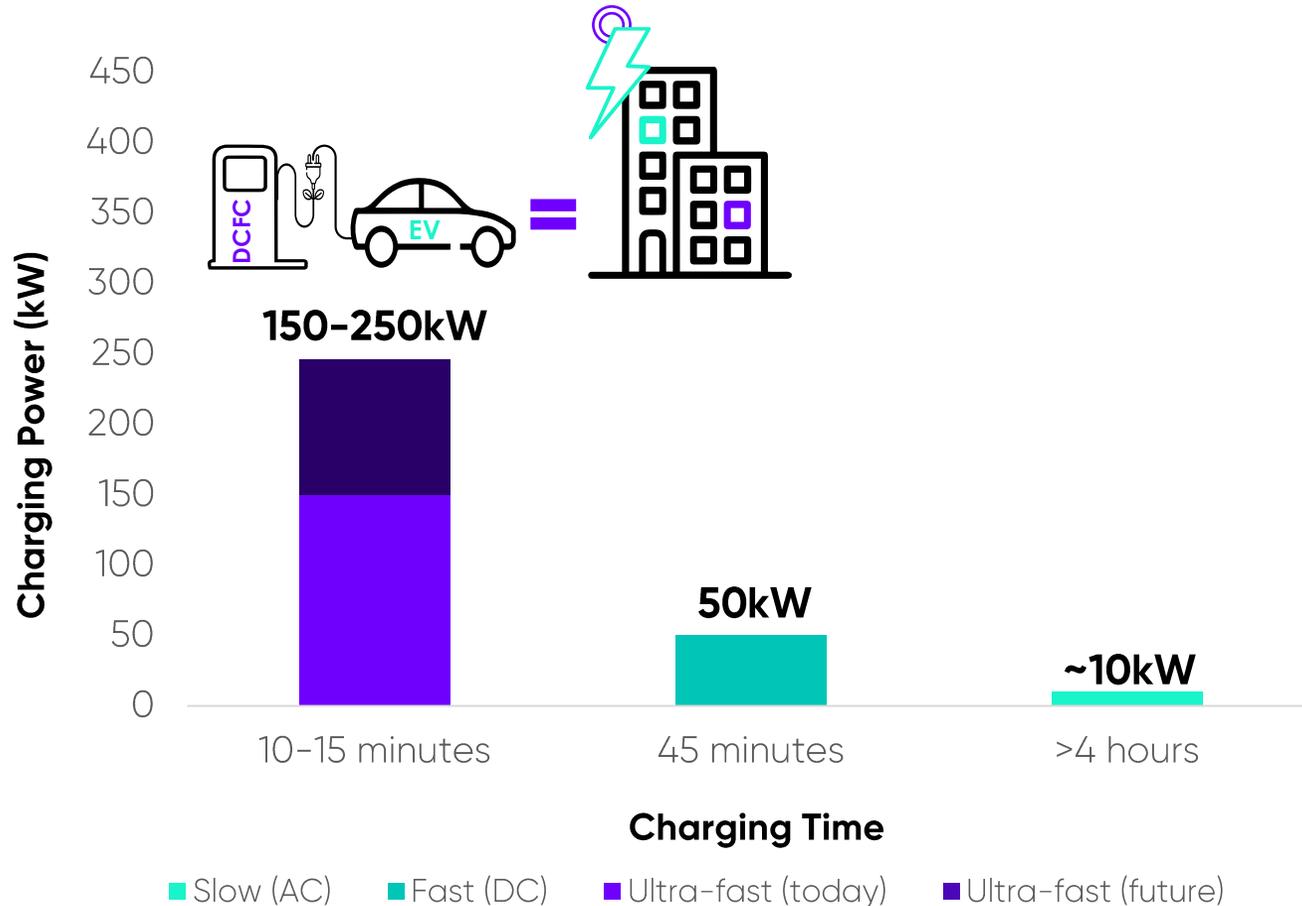
A team of skilled high-tech industry veterans,
each with >20 years of relevant experience



**The EV revolution
is accelerating**

Existing Electric Grid Cannot Support EV Ultra-Fast Charging

An EV charged in less than 15 min. consumes electrical power equivalent to that of a multistory building



THE NEED

EV owners expect a “fueling-like” ultra-fast charging experience.

Ultra-fast charging infrastructure is critical to enable EV mass adoption

THE GAP

Ultra-fast charging requires **HUGE** power surge, but existing grid is power-limited.

Grid upgrades are costly, complex and cannot be executed at required pace

Ultra-fast
charging is
critical to enable the
transition to EVs



But
grid infrastructure
cannot support it

Infrastructure Disruption



Gas Stations Centralized Approach

- 100% refueling in public stations
- 'Few' 'big' gas stations, serving 100s of vehicles / day
- Fast Refueling (5-10 min.) everywhere
- Amenities added around the station

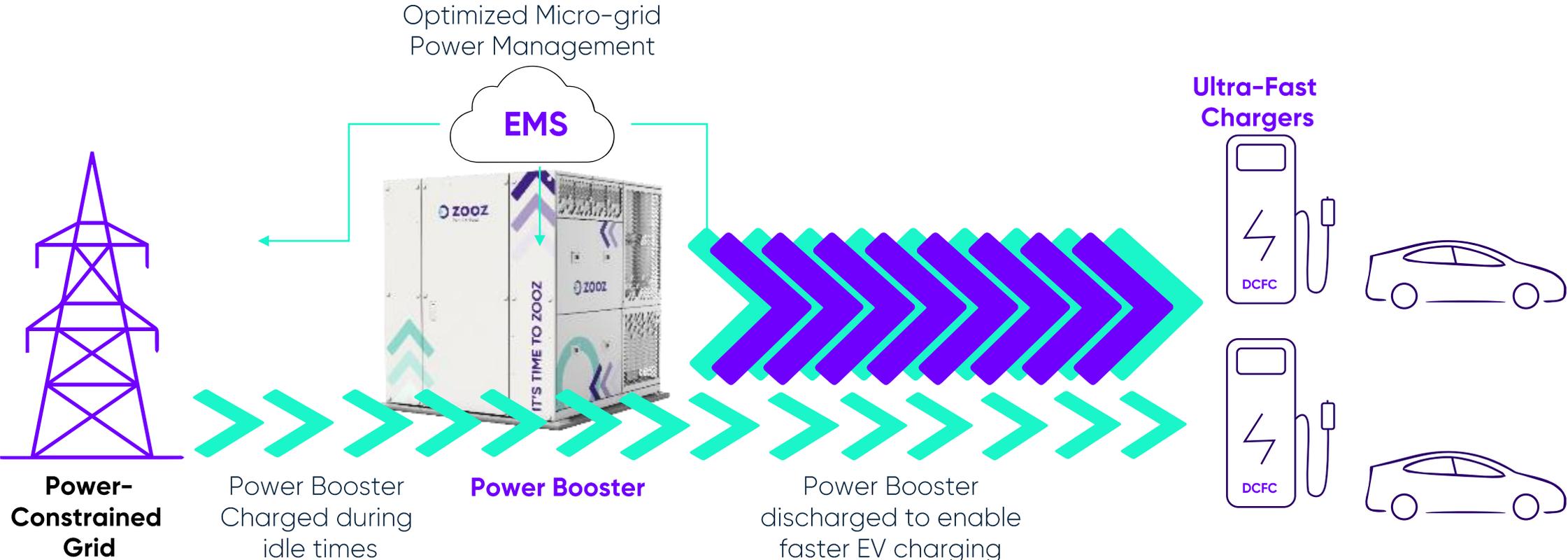


Fast Charging Distributed Approach

- 20%-40%* charging in public chargers
- 'Many' 'small' Stations – 10s EVs/day/charger*
- Fast Charging is not trivial (grid limitations)
- chargers are the amenity



Enabling **Widespread Ultra-Fast Charging. Today.**



Enables Ultra-Fast Charging, even at power-limited grid

Enabling **Widespread Ultra-Fast Charging. Today.**

The Need



Limited-
Power
Grid



Long wait &
high cost of
grid upgrade



Long
Charging
Sessions



Long Waiting
for available
charger



Skipped
Charging
Sessions



High
Demand
Charges

**Lost Business, Limited profitability
Dissatisfied Customers**

Enabling Widespread Ultra-Fast Charging. Today.

The Solution



Limited grid is boosted by the ZOOZTER~ -100



Shorter Charging Sessions



More charged cars per day, More Sales



Avoiding / Deferring grid upgrade

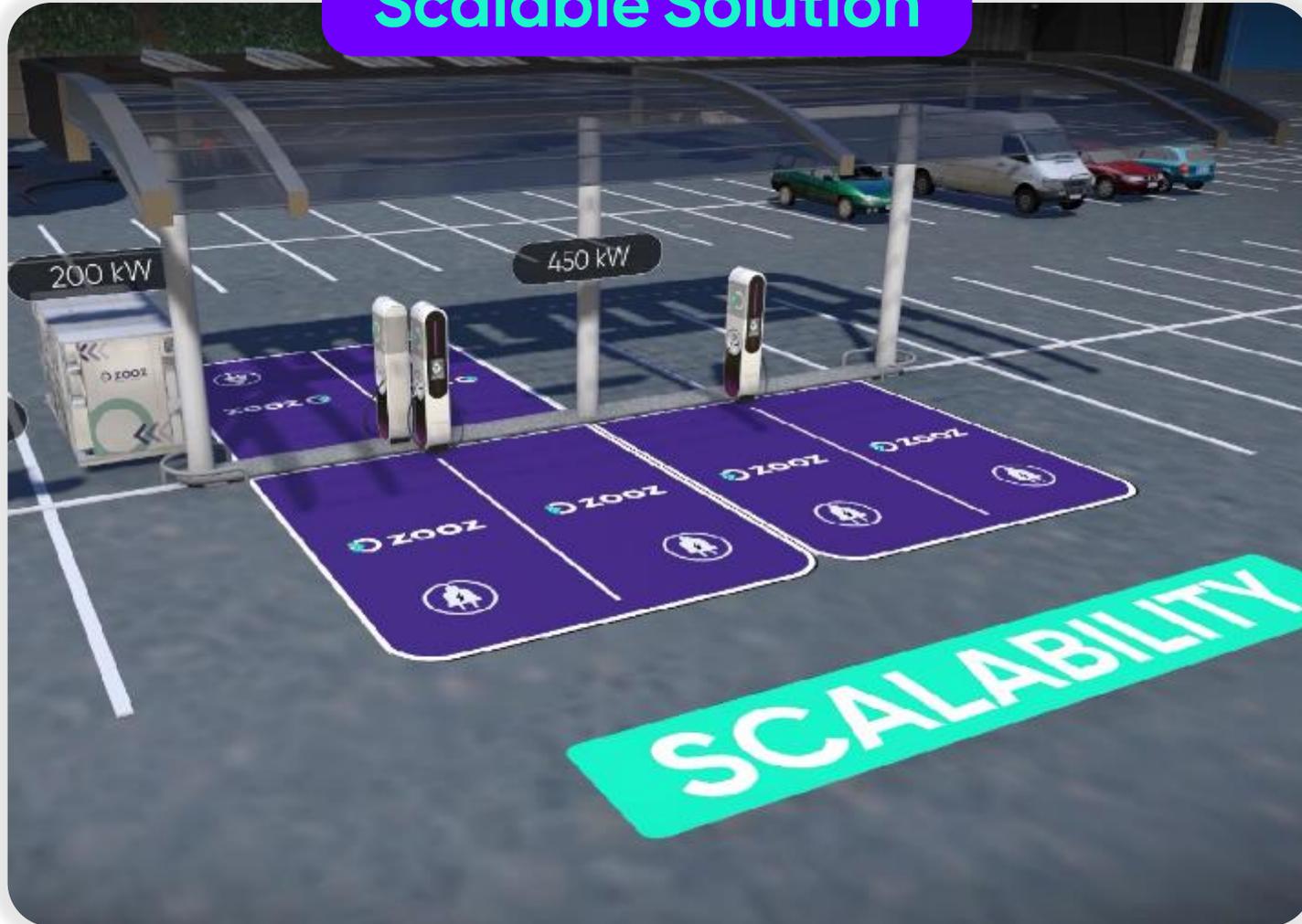


minimizing demand charges

**More Revenues, Greater Profitability
Higher Customers' Satisfaction**

Enabling Widespread Ultra-Fast Charging. Today.

Scalable Solution



Accelerating Ultra-Fast EV Charging



Increase power supply as utilization grows



Defer grid upgrade investment

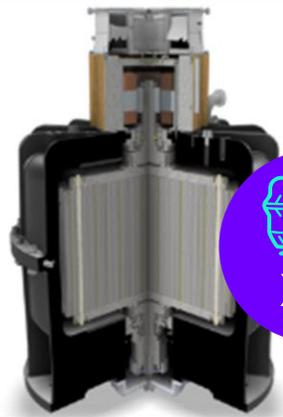


Faster "land grabbing" –
Accelerate sales and expand market share



Re-deployable asset
to accelerate growth and transition to EVs

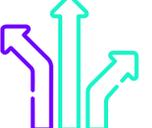
The Kinetic Power Booster ZOOZTER[~]-100



ZOOZ
Flywheel

x8



- 
Innovative patented Flywheels technology
- 
Sustainable-Non-chemical
- 
High Power
- 
High - Performance
- 
Cost Effective
- 
Flexible & Modular
- 
Durable & Reliable
- 
Safe (CE & UL Cert.)

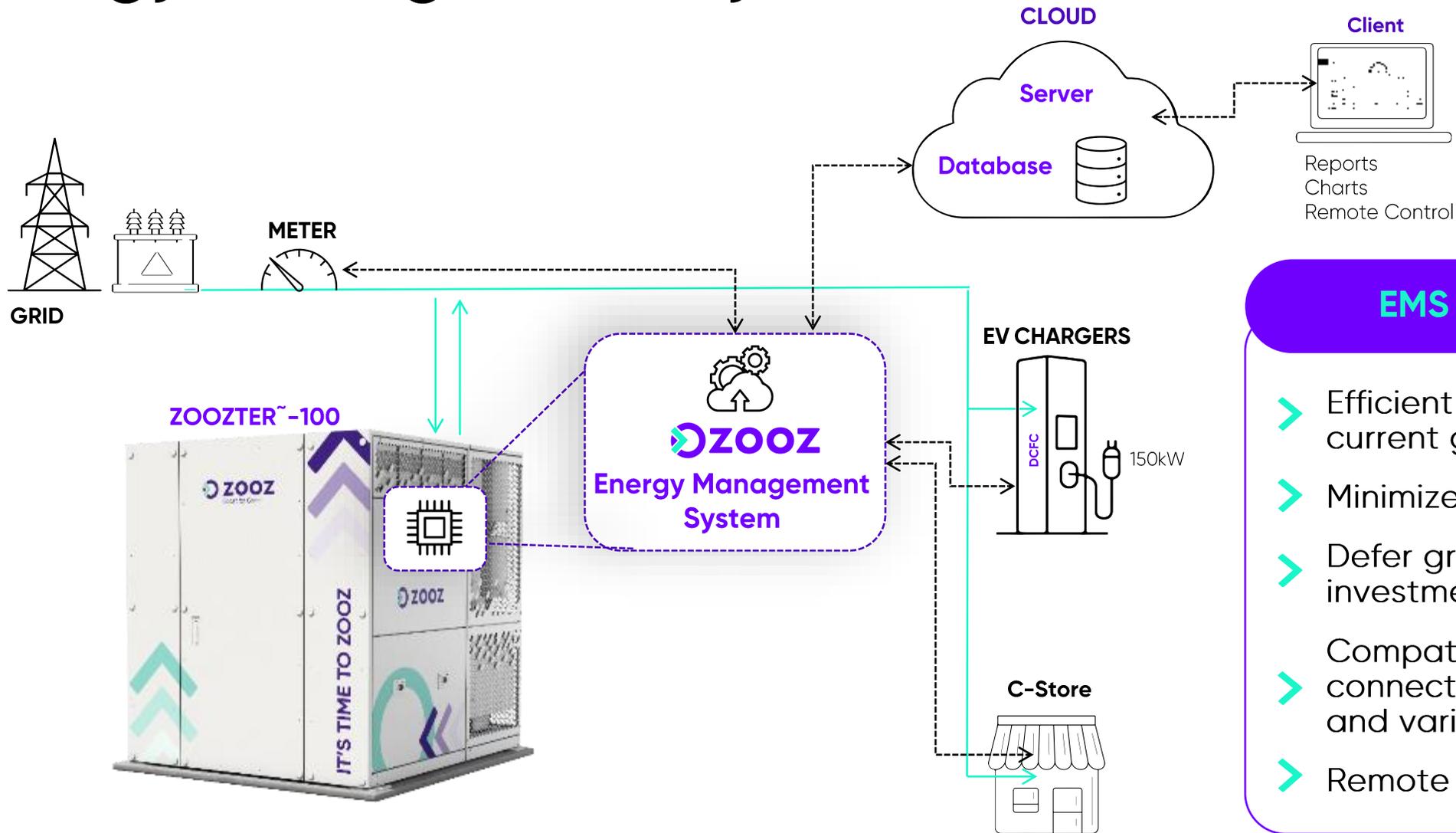
Enabling & Accelerating Ultra-Fast EV Charging

ZOOZTER~ -100 – All-in-one Integrated System



- EU (CE) & US (UL) Certified
- Agnostic to grid and charger vendor
- Quick site integration
- Flexible re-deployment

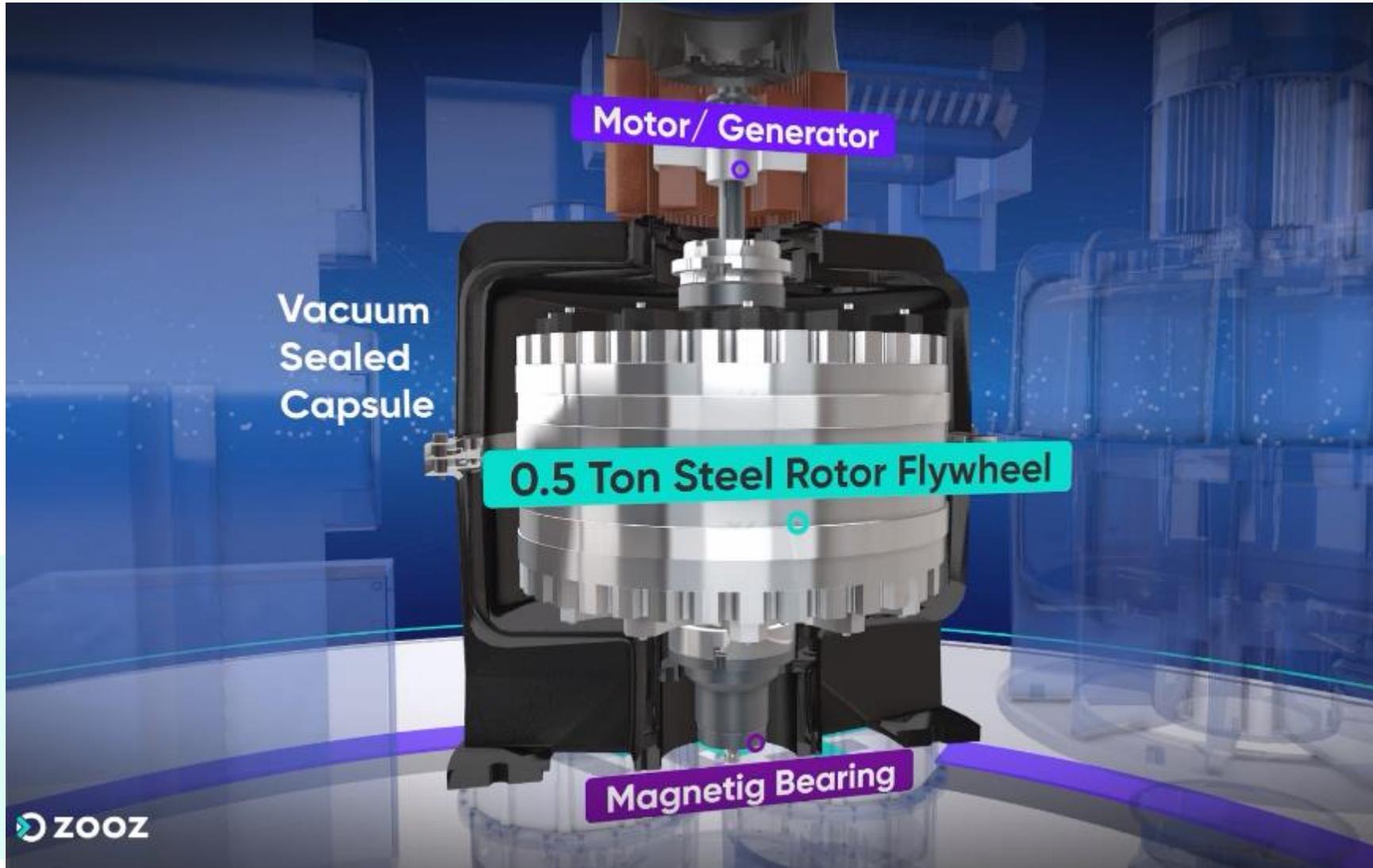
Energy Management System



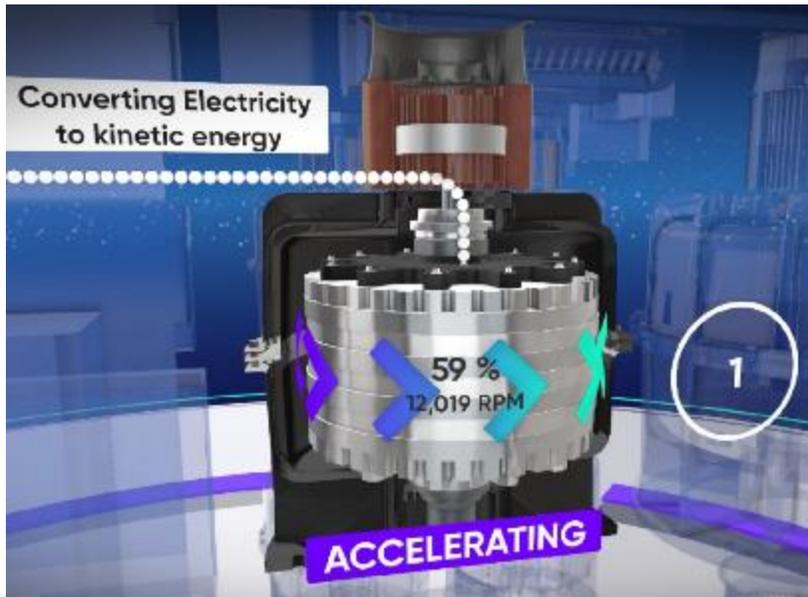
EMS Benefits

- Efficient use of the current grid
- Minimize demand charges
- Defer grid upgrade investment
- Compatibility and connectivity to other EMS and various chargers
- Remote monitoring

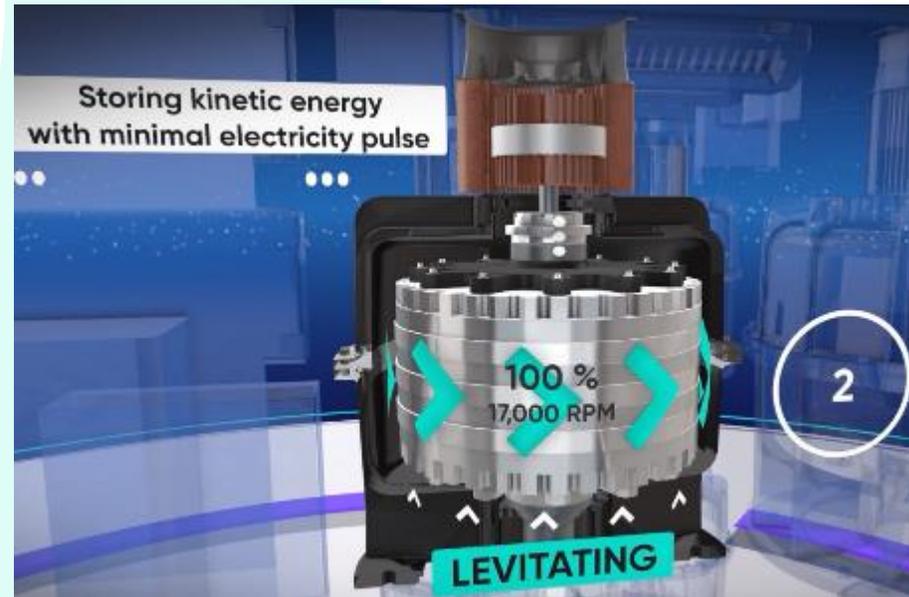
ZOOZ Flywheel – Mechanism of Action



ZOOZ Flywheel – Mechanism of Action



ACCELERATING
=
CHARGING
(converting electricity to)
Kinetic Energy



LEVITATING
=
STORING
Kinetic Energy



DECELERATING
=
DISCHARGING
Kinetic Energy
(converted to electricity)

Revolutionary Flywheel Technology

ZOOZ Flywheel

Cast Steel Housing

- Sealed to hold vacuum

High-Strength Steel Rotor

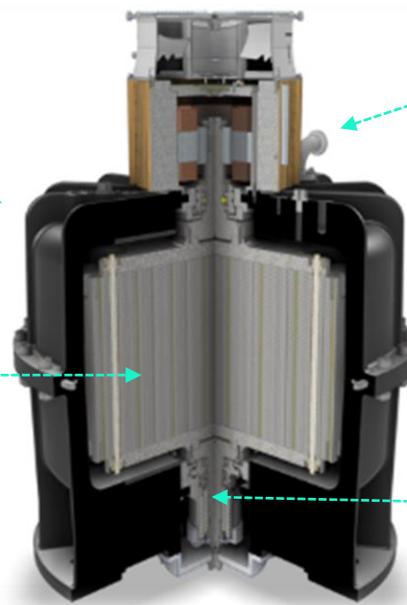
- 0.5 Ton rotor balanced at a precision level of a small Gyro.
- Inherently safe by design
- Cost-effective, recyclable
- Proprietary manuf. process geared to high-efficiency mass production

Proprietary Motor/Generator

- Unique high-speed, high-power, air-cooled, running in vacuum
- High efficiency, High reliability

Negligible Friction Configuration

- Magnetic Bearing - 3rd generation Halbach array
- Rotation in vacuum environment – minimizing air friction



Energy: 4.7kWh

Power: 12.5kW/15 min.

Weight: 650 kg

Speed: 17,000 RPM

Highly-mature, proven, unique Flywheel

- 28 registered patents

Flywheel-based Power Boosters vs. Li-ion Batteries Energy Storage

Performance & Cost over lifetime

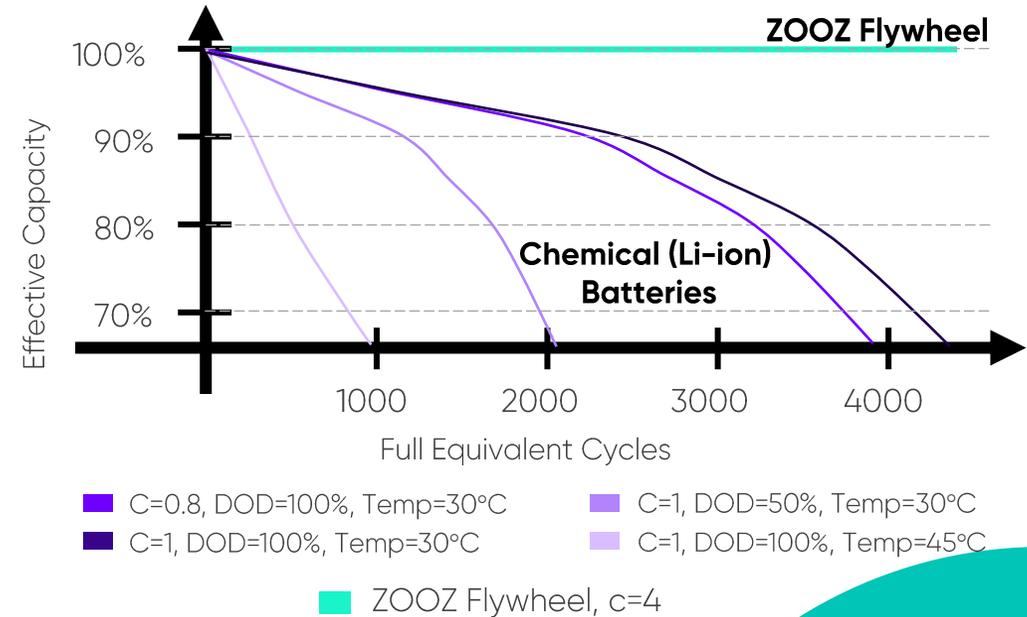
Li-ion suffer from rapid aging, and performance degradation & significant variation in different environment conditions
ZOOZ FW allows >200,000 cycles, over 15 years lifespan, and operates agnostically to wide range of env. conditions.

Environment

Li-ion – generates recycling Costs & Environmental footprint
ZOOZ Flywheel is environment-friendly and recyclable

Safety

Li-ion is flammable, based on toxic materials, causing safety hazards & limitations,
ZOOZ Flywheel is inherently safe, non-toxic, non-flammable



ZOOZ Flywheel technology – Optimized & a better fit (than Li-ion Batteries) to EV ultra-fast charging use case

Competitive Landscape

Flywheel-based boosters



ZOOZ

LEVISTOR

PUNCH | Flybrid

ADAPTIVE
Balancing Power

REYTERRA

TERA
LOOP

Early-stage startups

Chargers with integrated battery



L-CHARGE

FREEWIRE

KREISEL

adstec
Energy

Battery-based Boosters



ALFEN

KREISEL

TESVOLT
THE ENERGY STORAGE EXPERTS

ROLLS
ROYCE

ELECTRIC RA



ZOOZ is FIRST in the market with a mature Flywheel-based Power Booster – Sustainable, long-lasting, cost-effective, agnostic to grid and charger

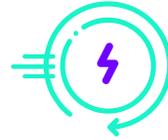


Note: these are examples of competitors. Additional competitors are active

Adding Value to Various Verticals & Use Cases



Benefits to CPO / Asset Owner



Faster & Cost-effective Chargers Deployment

- Avoid /defer grid upgrade
- Defer investment & Build infrastructure gradually with utilization increase
- Remain flexible and agnostic to chargers' vendor
- Re-deploy Power Boosters to accelerate land-grabbing



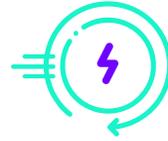
Maximize Site Profitability & Sales

- Start earlier charging services
- Better chargers' availability, leading to greater revenues
- More revenues in adjacent business (e.g. conv. store)
- Minimal maintenance and Total Cost of Ownership
- Minimal demand charges



Safer & Greener

Benefits to Fleet Operators



Faster & Cost-effective Fleet Electrification

- Avoid /defer grid upgrade
- Defer investment & Build infrastructure gradually with EV fleet increase
- Re-deploy Power Boosters to accelerate electrification of additional fleet's sites



Maximize Site Fleet Efficiency at Min. Costs

- Greater EV fleet availability
- Resilience to unexpected
- Longer lifetime of charging infrastructure with minimal Total Cost of Ownership
- Minimal demand charges



Safer & Greener

1st Commercially Operating Site in Israel



In cooperation with



Israel's leading ultra-fast charging network operators



Moving Forward with EU Market Introduction



- **Started commercial sales in Germany**
First sites – launched and operating !
- Discussing collaboration with customers in Germany, Austria, Denmark, Spain, UK.



Moving Forward with US Market Introduction



Coming Soon - 4 Pilots in the US

Coming Soon*

Car Rental Giant

@ La-guardia Airport, NY.



Largest US Utility

Q1/2024*

Coming Soon*



At Rockhill, SC.

6th largest convenience stores network in the US



At Ft. Lauderdale, FL.

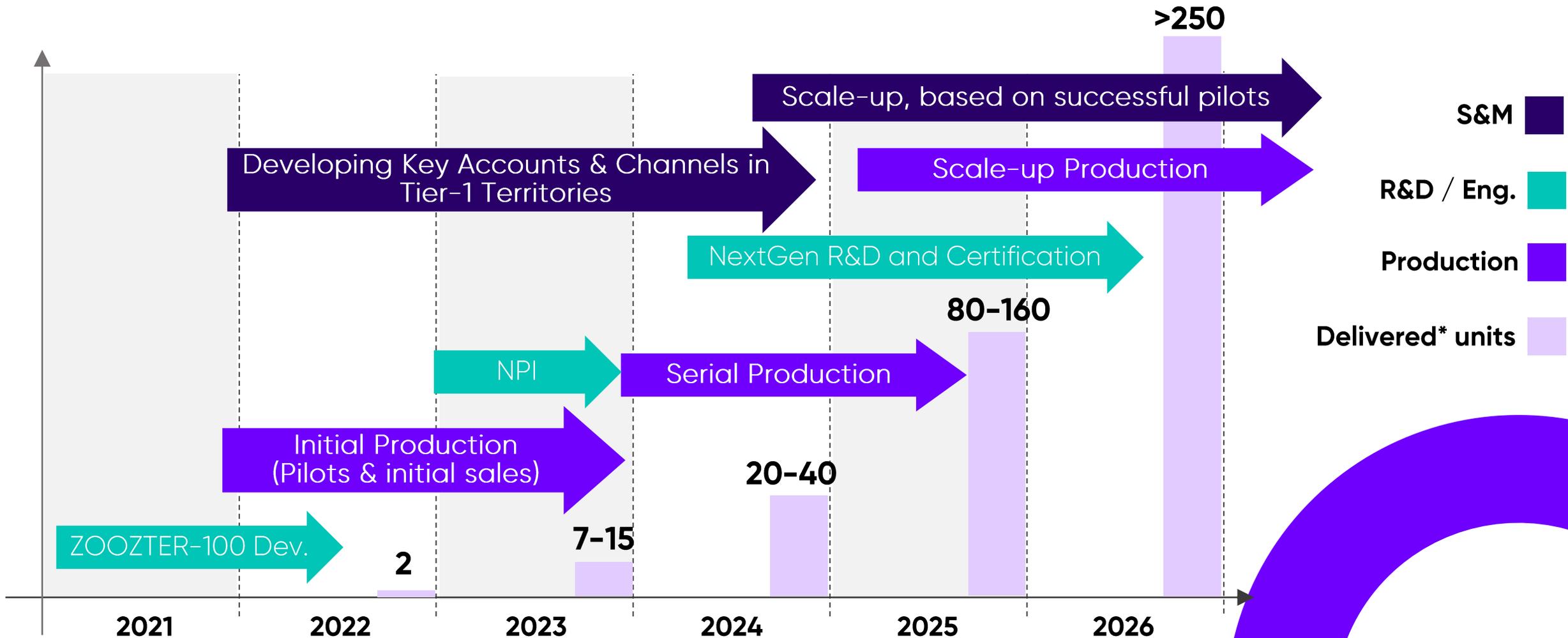
Leading CPO in the US and globally

Q1/2024*



* Company estimation, subject to changes

Charging Ahead – Towards becoming a leading global supplier

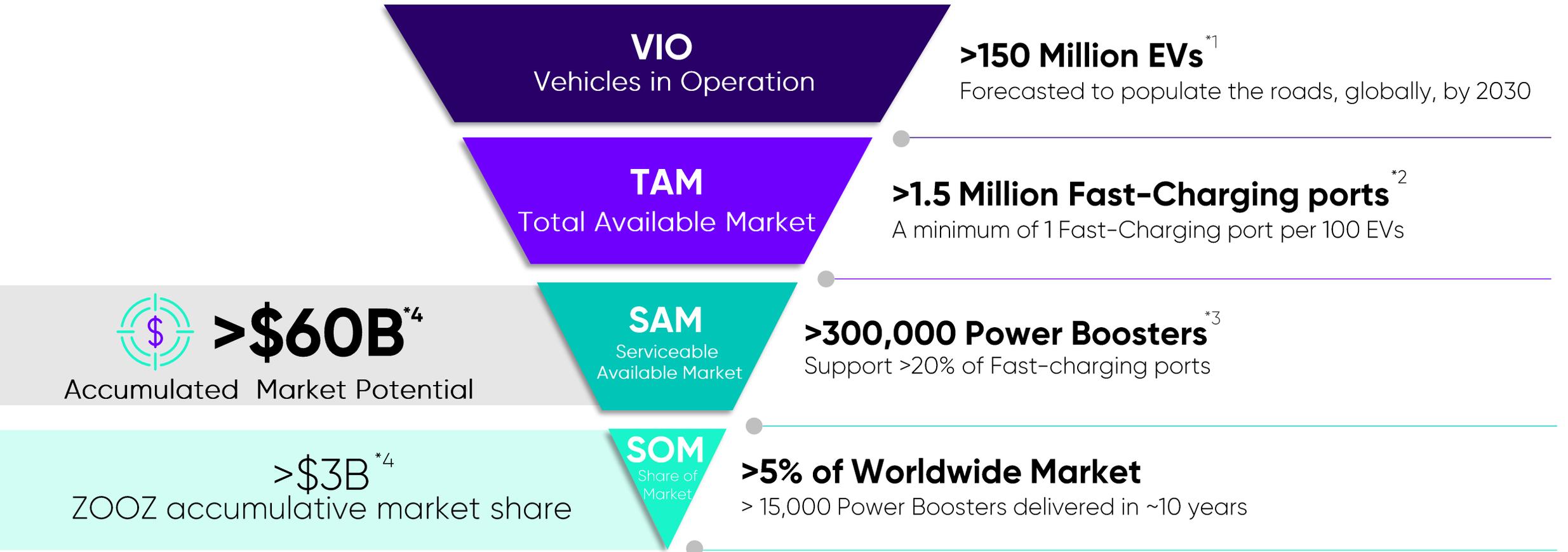


Notes:

(*) Quantities refer to systems to be delivered to customers, based on various business models, assumptions and expectations and therefore **do not represent annual sales forecast**.

(**) The provided information is forward looking statement as defined in the Securities Act, the Exchange Act and the Securities Law, as applicable. **It may not be materialized as presented**, as detailed in slide 3 of this presentation.

Market Opportunity



ZOOZ – First to market with a non-Batteries, proven, & cost-effective Power Booster



Note: The provided information is forward looking as defined in Securities Law, section 32A. It may not be materialized as presented.

^{*1} Bloomberg NEF – Electric Vehicle Outlook 2022

^{*2} Recharge EU p.32

^{*3} Based on ZOOZ's customer input

^{*4} Company forecast, of accumulated potential by 2033

Enabling
Ultra-fast
EV charging.
Today.
Anywhere.
For Good.





Formerly Chakratec

Merger Transaction On the Path Towards Nasdaq

August 2023

This document is a free translation of the Hebrew original. In case of differences, the Hebrew version shall prevail

The Strategy Behind the Merger Transaction



01

Transition to dual listing, also on Nasdaq

- Strengthening the recognition and positioning in the international markets, and in particular the US market, which is a strategic target market for ZOOZ
- A convenient platform for raising capital, required for ZOOZ's business growth.

02

Join forces with strategic partner, that can help ZOOZ accelerate its business growth

All the above, while:

03

- ➔ Injection of capital into ZOOZ.
- ➔ Increased value for shareholders.

Merger with KeyArch Acquisition Corp.

- SPAC traded on Nasdaq [KYCH*]
- The SPAC was established by a founder of an investment fund from Hong Kong and the SPAC leaders are with proven ability in the Chinese market
- Recognizing the potential of ZOOZ's solution and intending to assist ZOOZ penetrate the Chinese market (the most advanced EV market in the world)

*Nasdaq Capital Market

The Main Benefits of the Deal



Agreed Valuation of up to \$100M (contingent on meeting certain milestone)

According to the deal, ZOOZ's agreed valuation is up to \$100 million of which up to \$40 million is contingent on meeting certain milestones
(total of 10 million shares at a value of \$10 per share)*

- Immediately post merger -
6 million shares at a value of \$10 per share*



Reflecting agreed value of \$60M immediately prior to closing

- Entitlement to allocation of additional up to 4 million shares –
contingent on ZOOZ achieving certain milestones (within 5 years)



Reflecting agreed value of up to \$40M immediately prior to closing



Injection of Capital

- Condition to closing – **minimum capital injection of \$10 million** (net after all expenses)
- ZOOZ's listing on Nasdaq is expected to enable additional opportunities for capital raising to support company's growth



Join forces with strategic partner

Strategic partner with ability to help ZOOZ to accelerate its penetration into the Chinese market

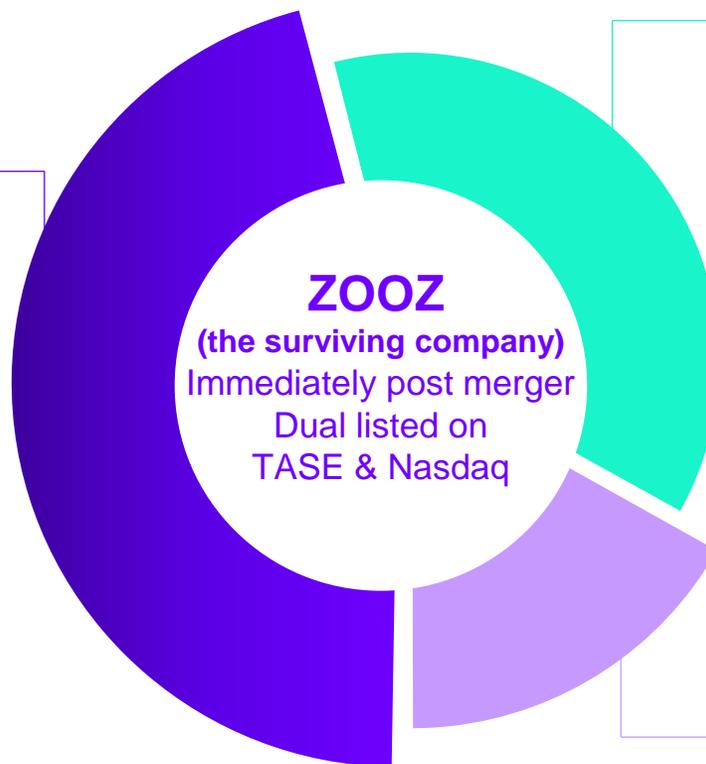
- KeyArch Sponsors have extensive experience in business development and significant network in the Chinese market, including the automotive ecosystem

The Merger Process (expected to be completed by end of 2023)



Traded in Tel-Aviv
Stock Exchange

- > With **Reverse split** by ~ 11.6** ratio ZOOZ's shareholders (prior to merger) will hold 6 million shares **reflecting valuation of \$60M** (immediately prior to merger completion)
- > ZOOZ's Shareholders (prior to merger) will hold 40%-50%*** of the merged company, following closing.
- > ZOOZ's shareholders (prior to the merger) are entitled to **an additional allocation of up to 4 million shares, reflecting a value of up to \$40M** (immediately prior to closing) **depending on the company achieving certain milestones**, during a period of up to 5 years after closing



KeyArch

SPAC,
Traded on Nasdaq

- > The SPAC raised approximately \$115M and after the redemption (on 20.7.23) approx. \$25M* remain in the trust

Injection of Capital

- > Closing condition – **a minimum of \$10M capital injection** (net after all expenses)
- > PIPE will be considered

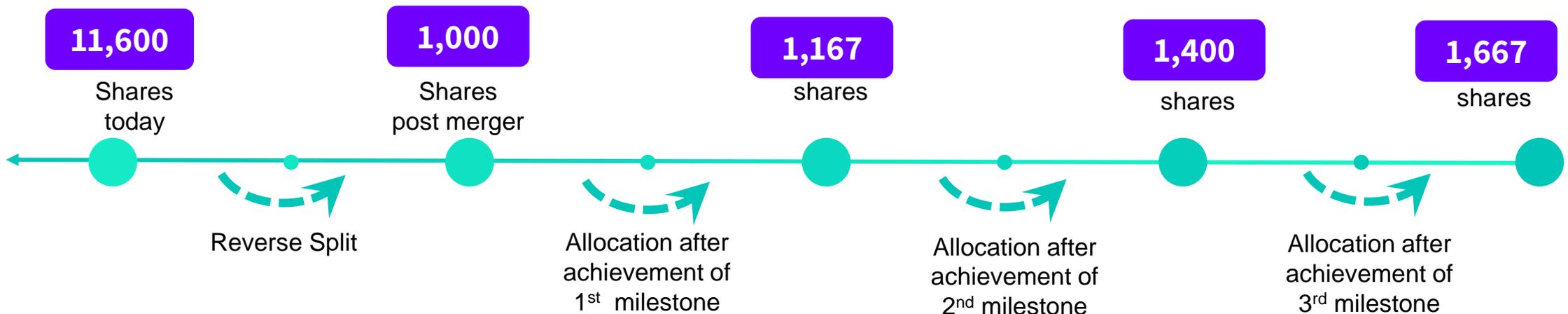
* An additional redemption is possible at the time of the convening of the general meeting of the SPAC to approve the merger
** Estimation - an up-to-date ratio will be published later, with the summoning of a shareholders' meeting to approve the deal
*** Depending on the amount of capital that will be raised and the one that will remain in SPAC

Entitlement of ZOOZ shareholders to Earnout Shares, contingent upon achievement of milestones

➤ The following milestones will entitle ZOOZ shareholders to allocation of Earnout Shares (one of two conditions to be met per each milestone):

Milestone	Achieving one of the following milestones' conditions		Amount of shares to be allocated (to all shareholders in aggregate)
	Cumulative total revenue (in 4 out of 5 consecutive quarters)	Price per share (VWAP trading volume weighted) (on 20 trading days out of 30 consecutive trading days)	
1	US\$10,000,000	US\$12	1,000,000
2	US\$20,000,000	US\$16	2,400,000
3	US\$30,000,000	US\$23	4,000,000

◀ Example – a shareholder who currently holds 11,600 shares :



Accelerating ZOOZ's Growth



Initial Sales in Europe



Initial Installation in the US



Moving forward with our penetration into a fascinating and rapidly evolving market



Excellent timing for ZOOZ to become publicly traded on





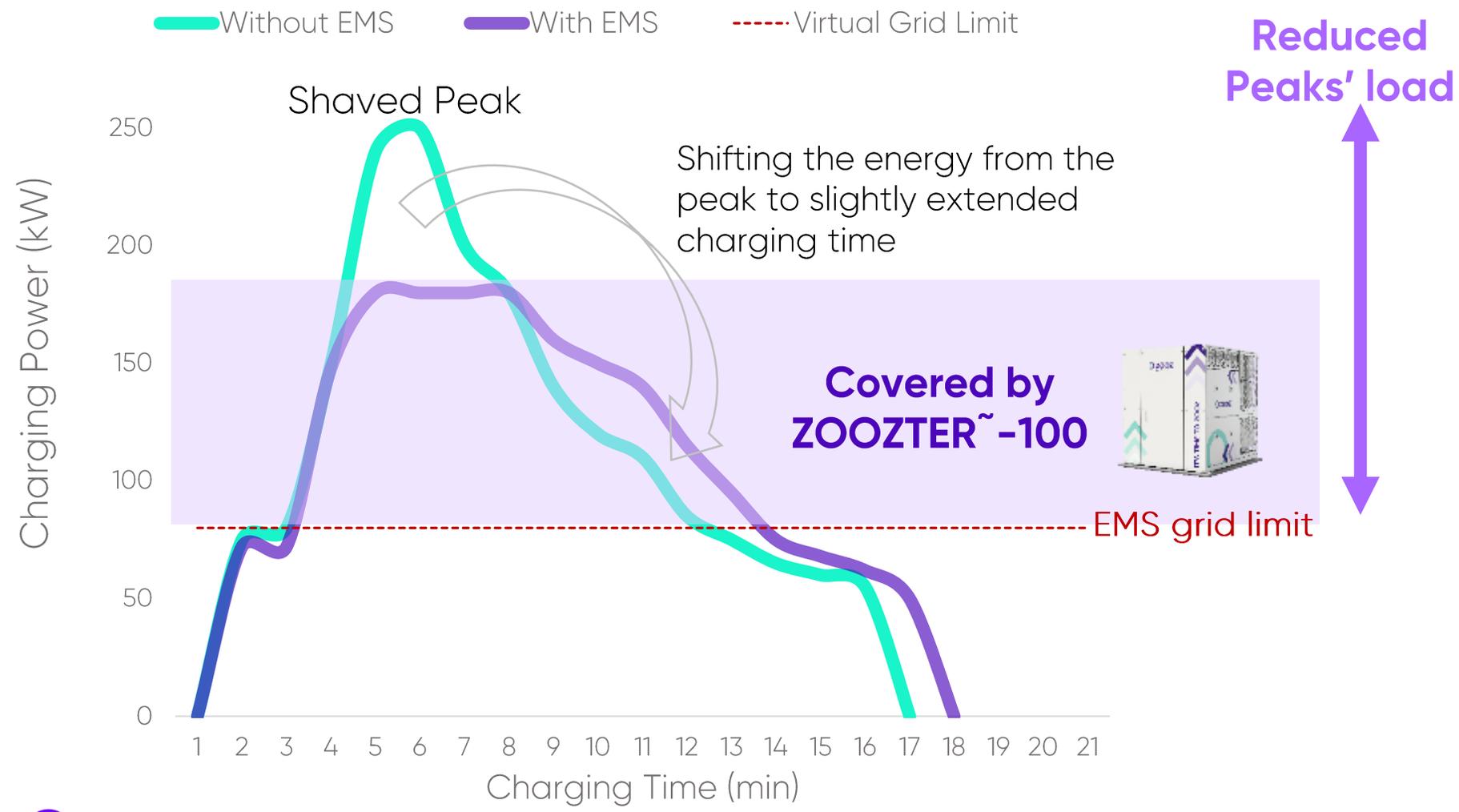
Backup Slides



August 2023

Avoid Peak Load & Reduce Demand Charges

~200kM (~30kWH) Charging Session



Example savings of Demand Charges

Monthly Charge
170kW X \$20 = \$3.4K

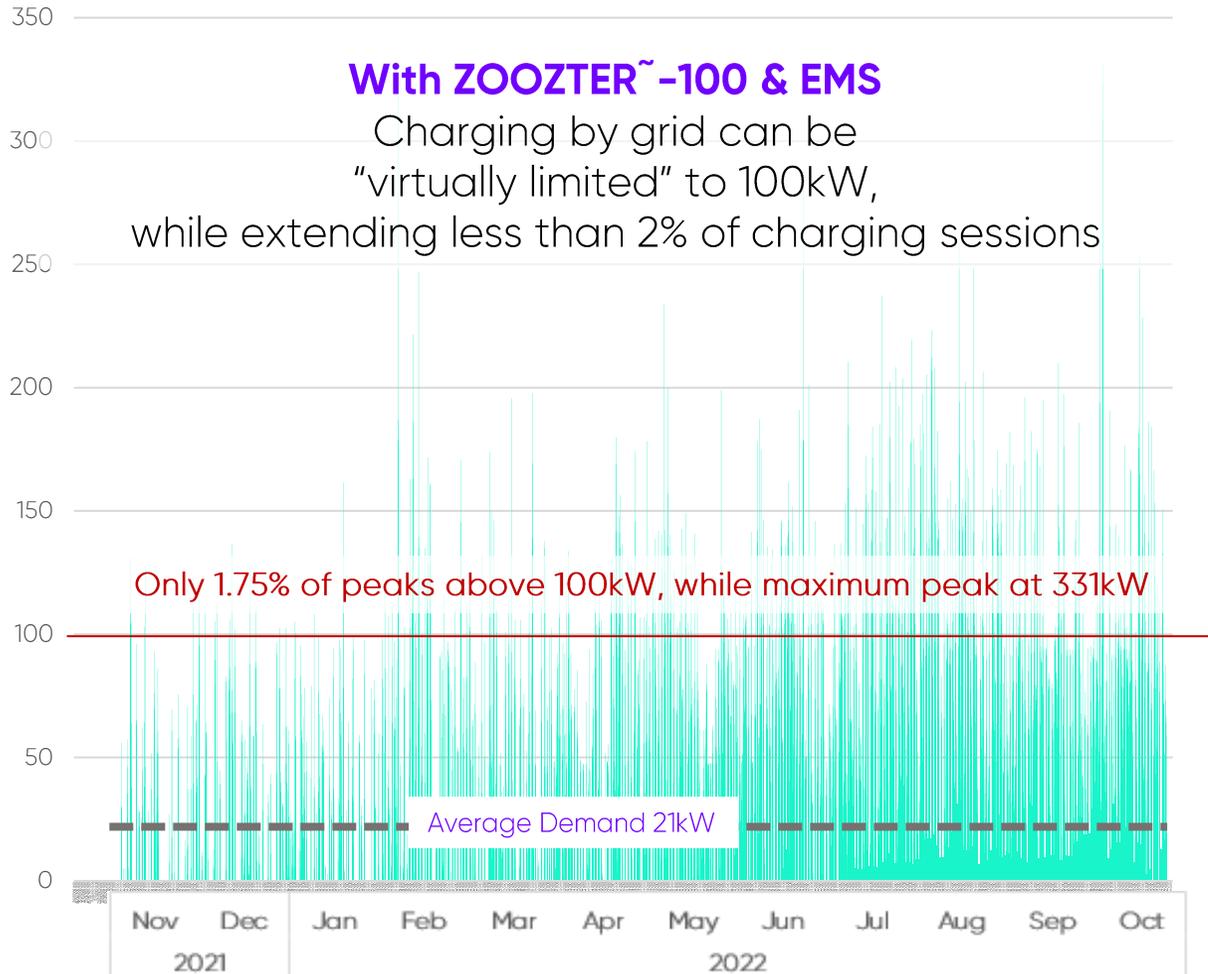
~\$40K
Total yearly savings

* Based on CA utility demand charge fee of \$20/kW

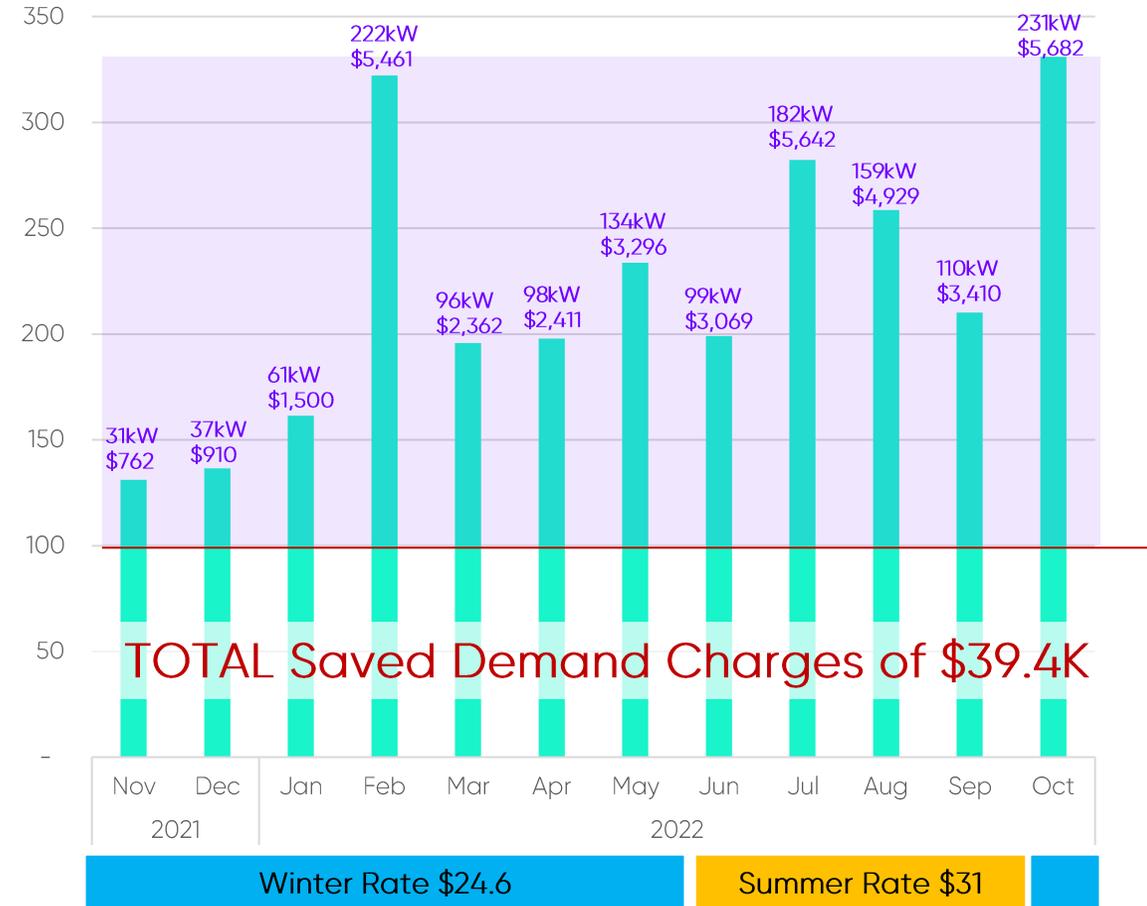
EMS - Avoid And Reduce Demand Charges

Example Based on a US C-Store demand data

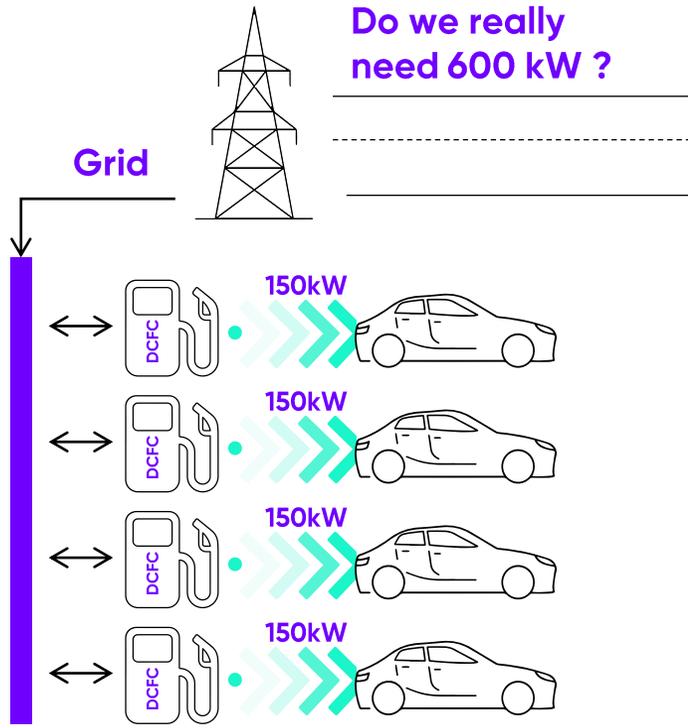
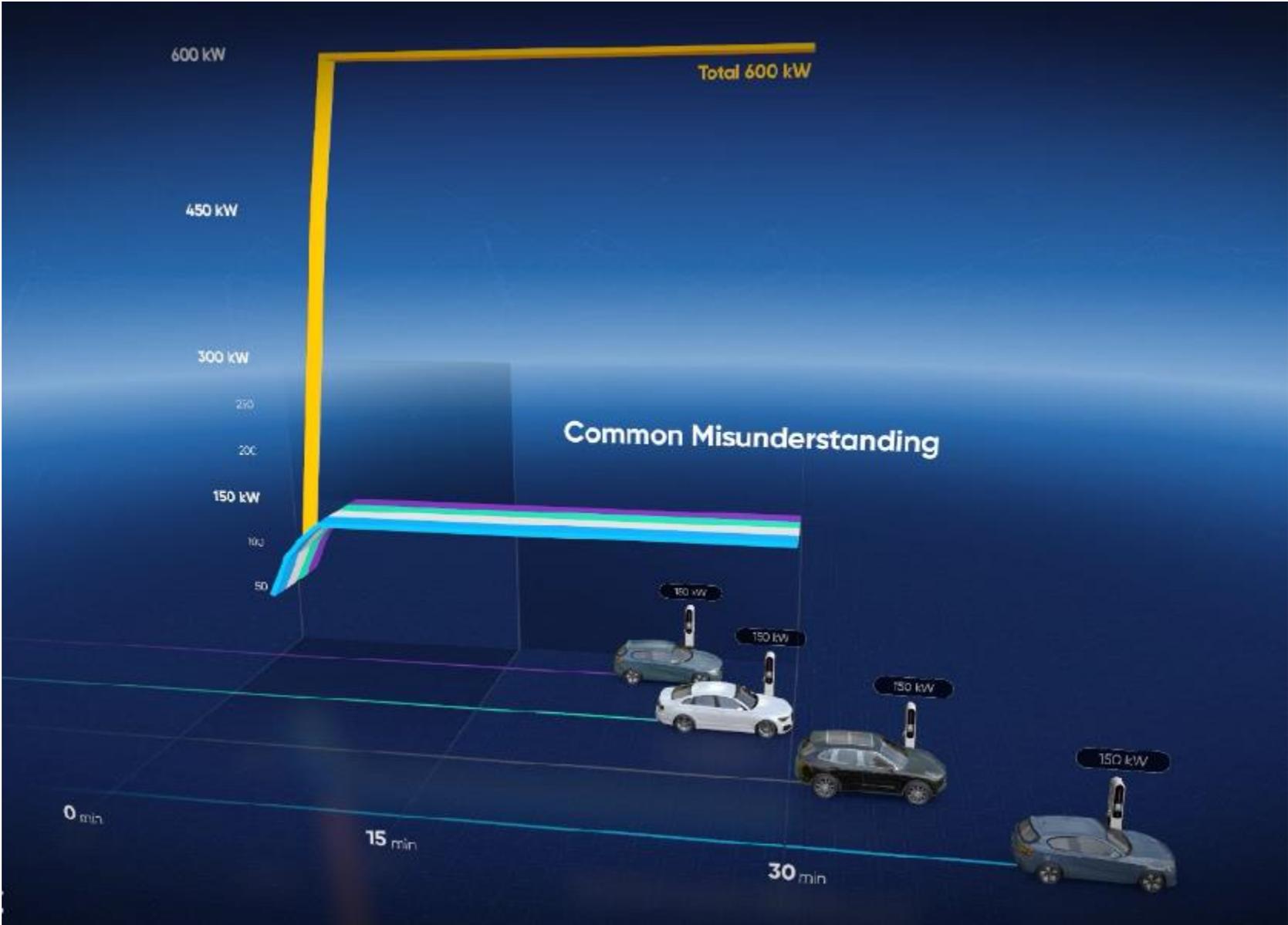
Full Year Demand (kW) / Average utilization: 9 cars per day



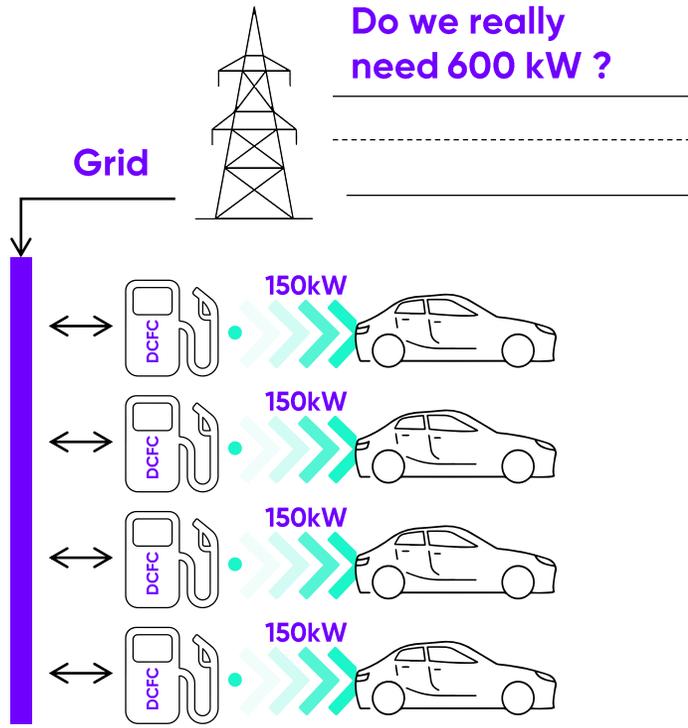
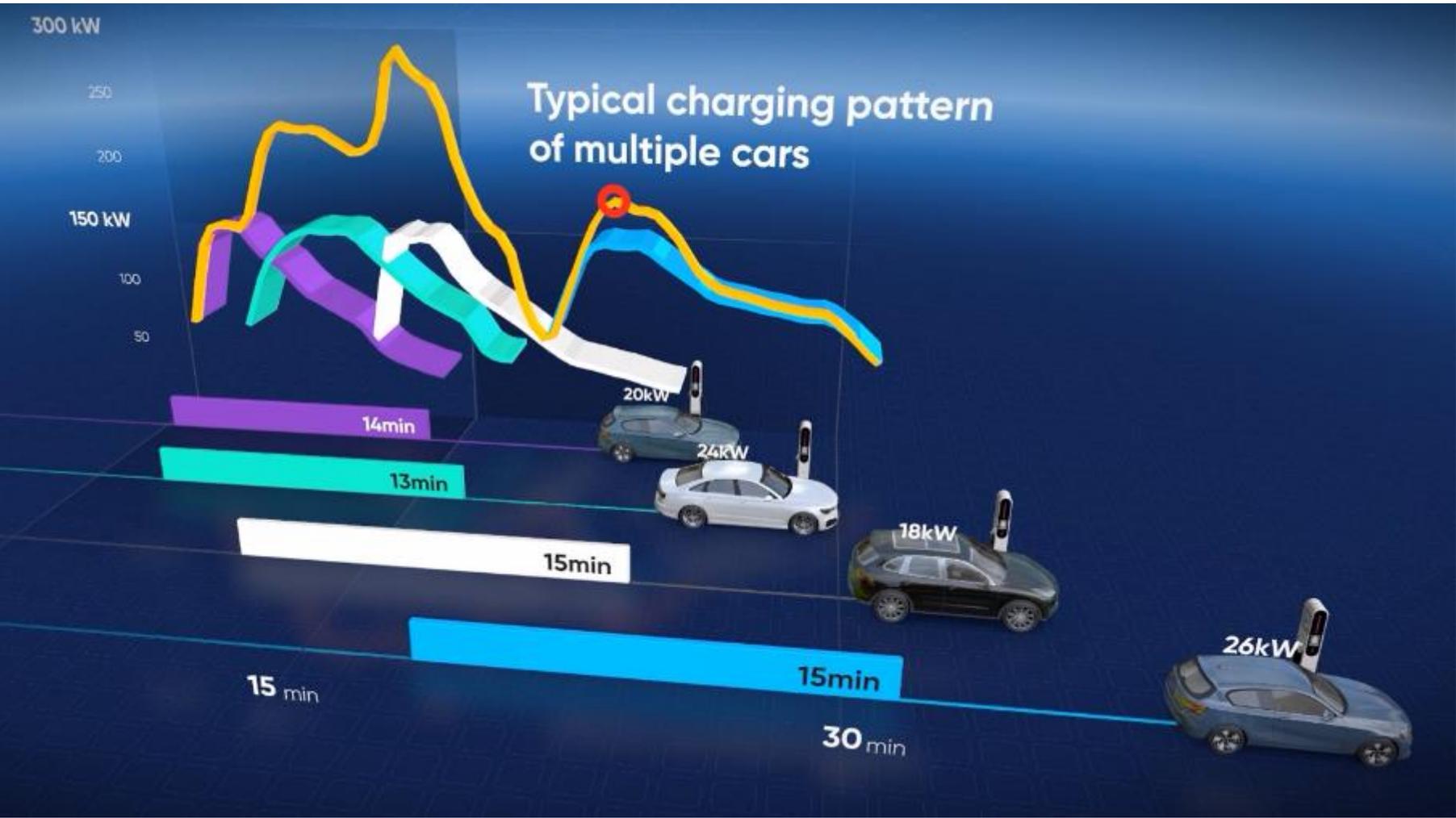
Max Demand Power (kW) by month



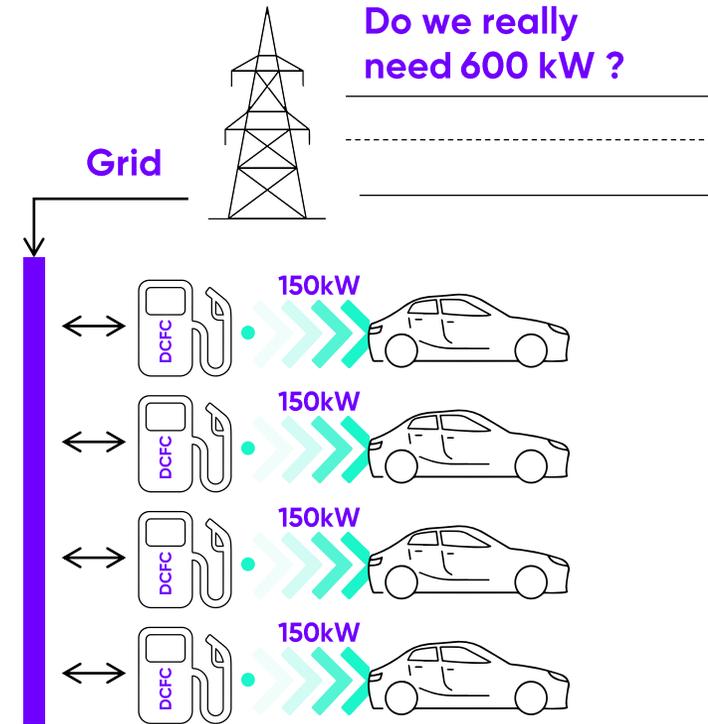
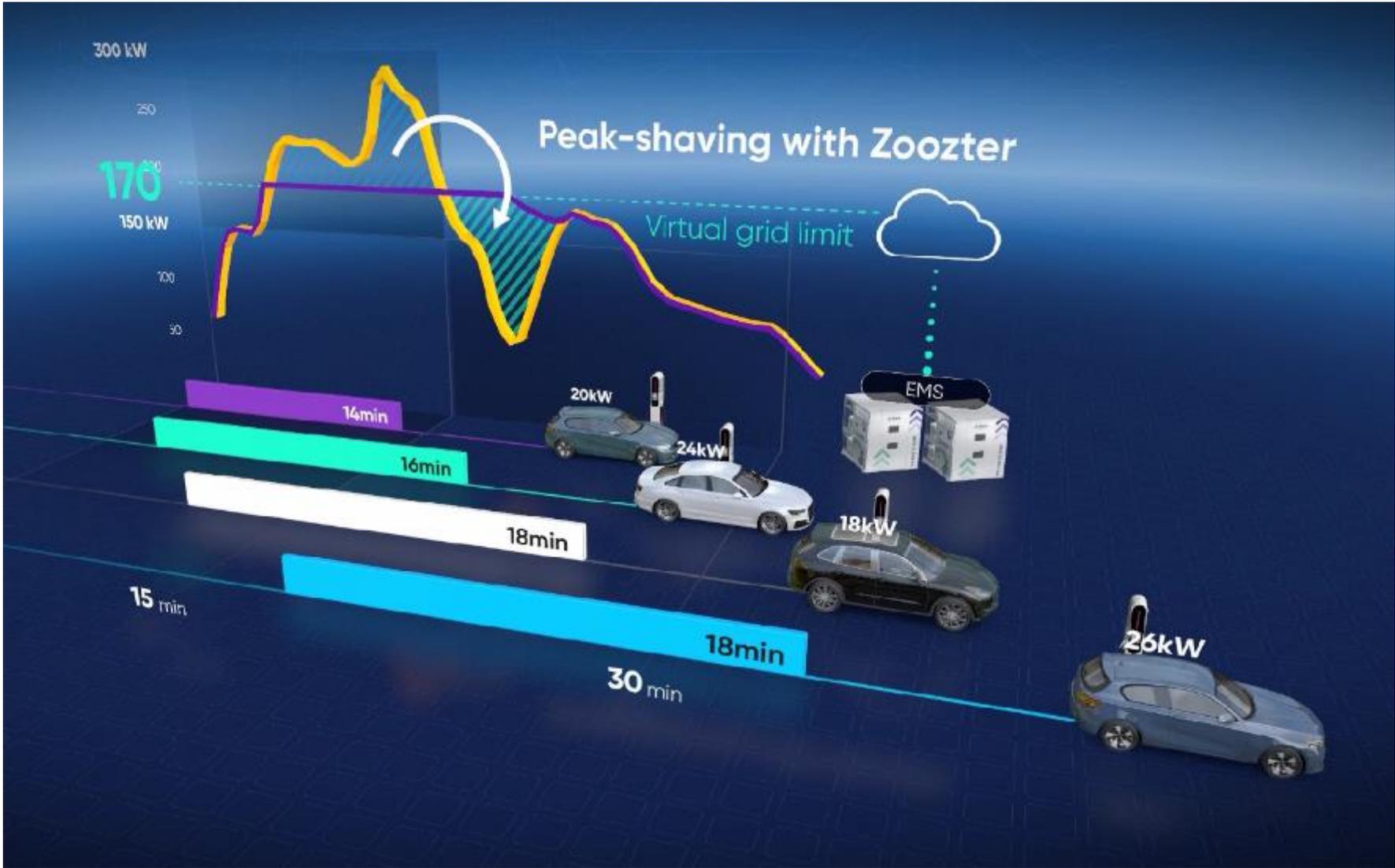
Charging Pattern of Multiple Cars – Common Mistake



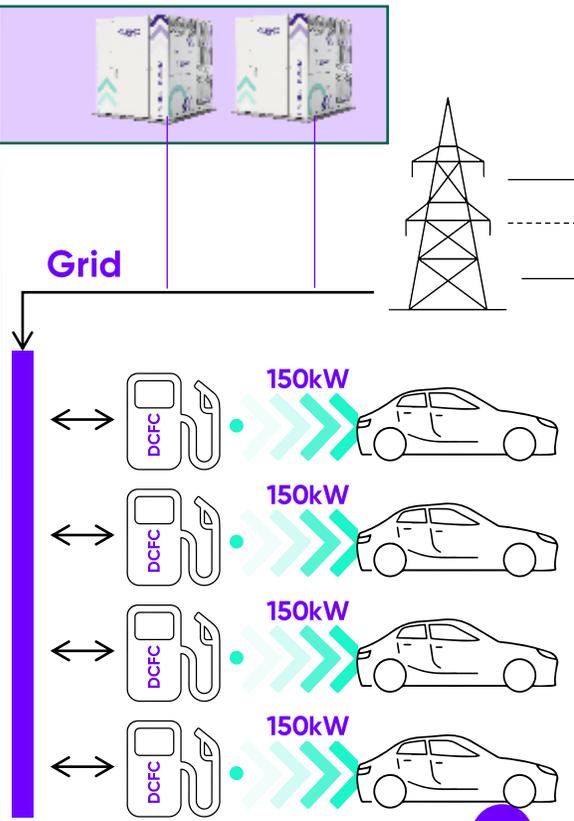
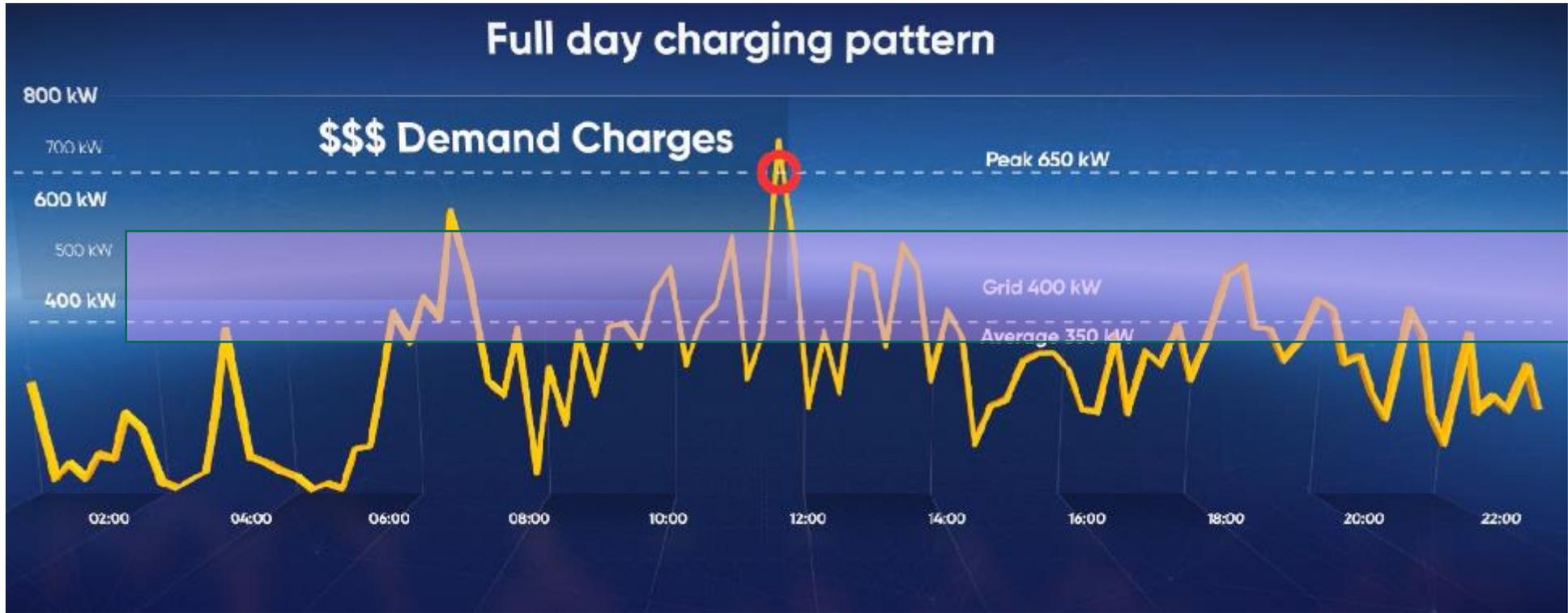
The Real Pattern of Multiple Charging Cars



"Peak-Shaven" Pattern of Multiple Charging Cars

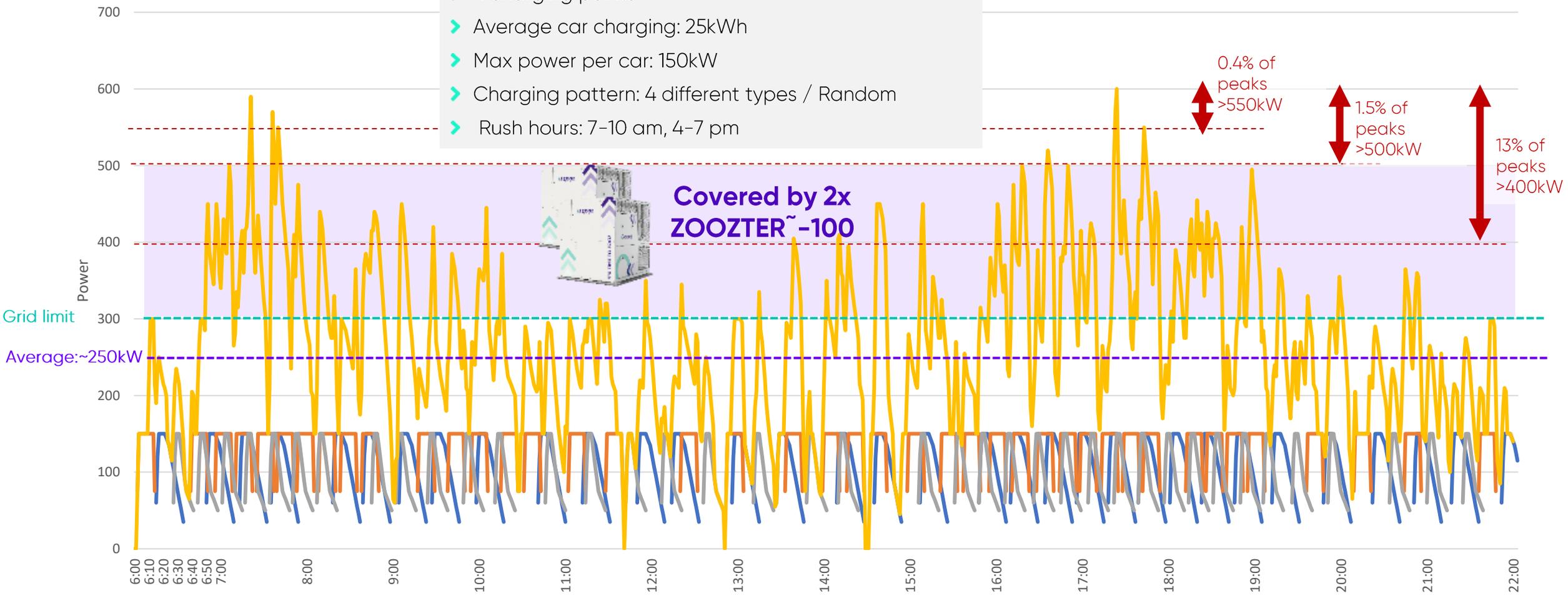


"Peak-Shaven" Pattern of Multiple Charging Cars Supported by ZOOZTER~100 Power Booster



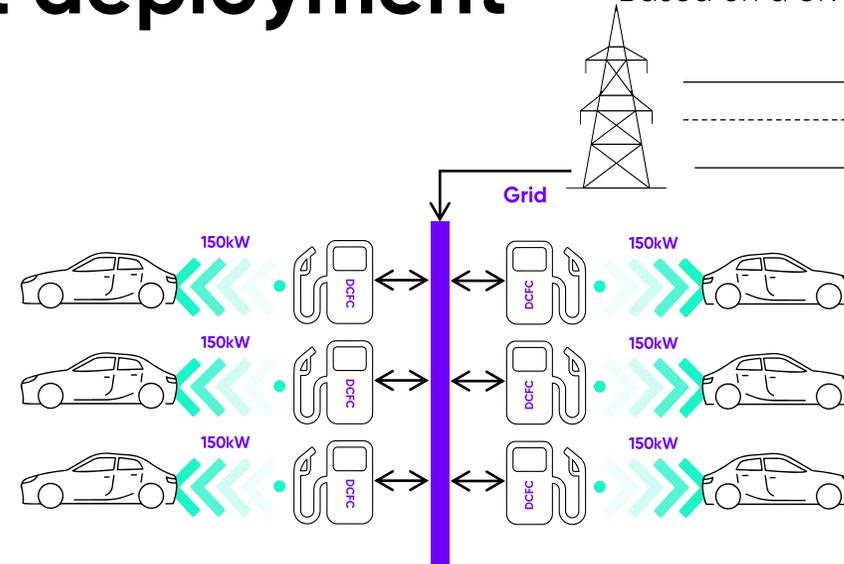
Simulation of Charging Hub Demand with High Utilization

- >100 cars per day (6 am-10 pm)
- 4 charging points
- Average car charging: 25kWh
- Max power per car: 150kW
- Charging pattern: 4 different types / Random
- Rush hours: 7-10 am, 4-7 pm



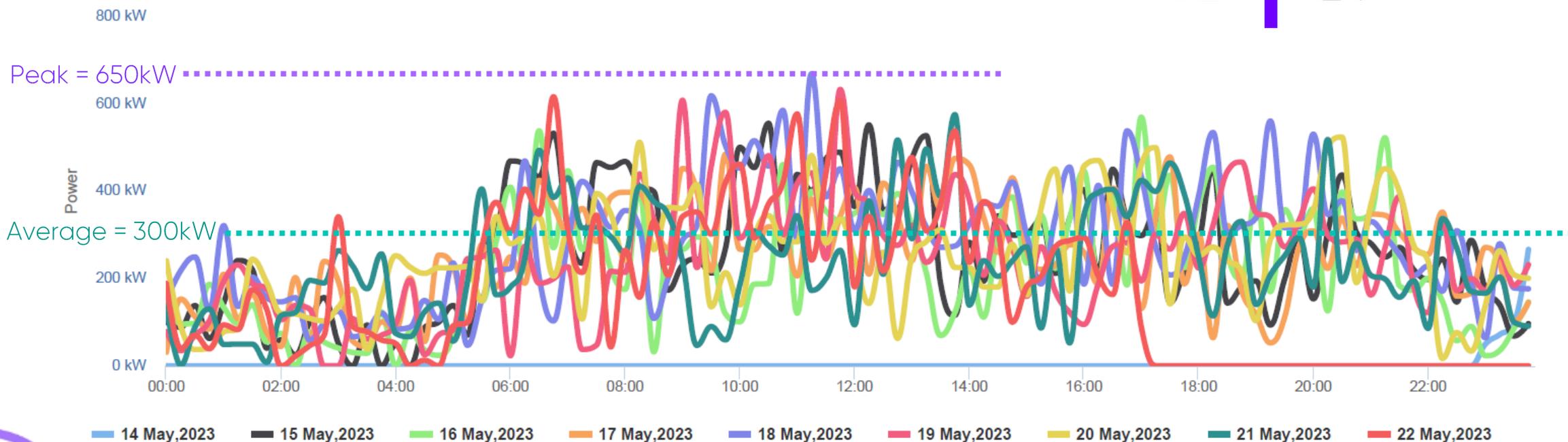
Based on a UK site data

UK Charging Hub (6x 150kW) – inefficient deployment



Grid = 900kW

Power Last 7 Days



UK Charging Hub (6x 150kW) – Efficient deployment

- Grid: 400kW
- 6 Chargers X 150KW
- 2 ZOOZTER X100kW

