ADS-TEC Energy // J.P. Morgan Auto Conference // August 2023

Enabling the Future of Energy, Today.

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Thomas Speidel

CEO

About ADS-TEC Energy

Global market leader with more than 10 years of experience in the field of battery technology

- Employees: 200
- Europe: 3 Locations (incl. factory in Dresden)
- USA: Assembly in Auburn, Alabama
- Sales: Worldwide (focus NA, EU, UK, CH)

2007

Development of first own Li-Ion BMS and battery packs

2012

First containerized energy storage solution

Introduction of SRB battery modules for stationary applications

BOSCH

2018

Bosch acquires 39% of ads-tec Energy GmbH

320 kW battery buffered EV charger

eusg
adstec Energy

2021

Announcement of NASDAQ listing

NASDAQ listed

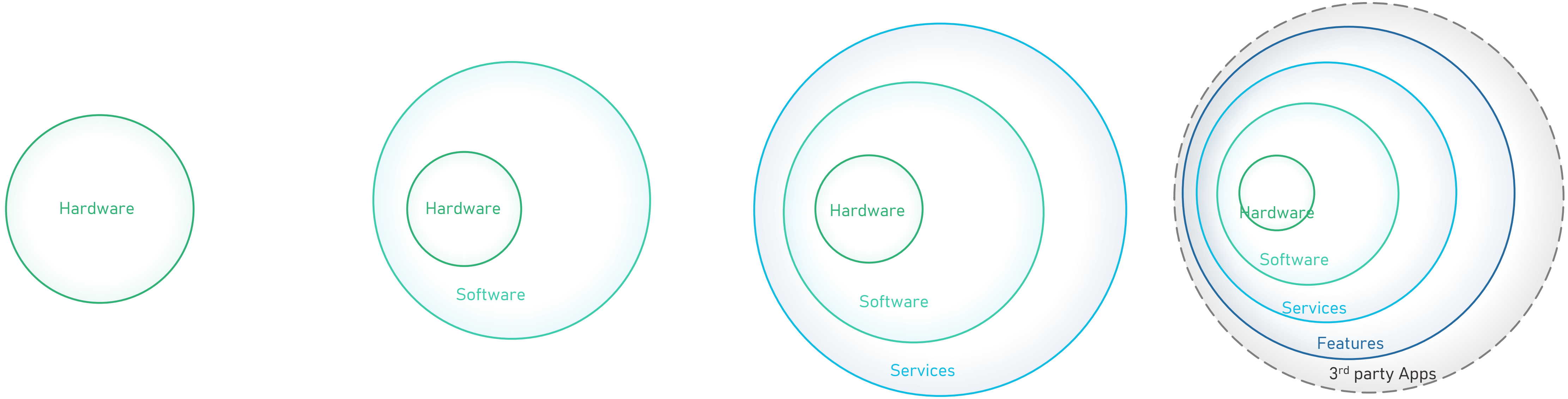
ADSE
Nasdaq Listed

ads tec Energy

The change from on-demand to renewable energy sources will require decentralized and intelligent platforms with integrated energy storages in real estate, industry and infrastructure. Based on these, ADS-TEC Energy are enabling existing and future energy companies, to control the interaction of producers and consumers.

Thomas Speidel (CEO)
10th of August 2023

The smart platform solution. Engineered in Germany.



Hardware

Battery based products developed and engineered in Germany.

Software

Software solution for the efficient use of the hardware.

Services

Service Contracts and Warranties for a use of the product for way over 10 years.

Features by ADS-TEC Energy & 3rd Party

Features for optimized use of the stored energy – open to 3rd Party solutions.

Our solution: ADS-TEC Energy ChargeBox system

Global market leader in performance and size.

- Saving money: Cuts peak power demand by up to 65%
- Ultra fast charging system
- Small footprint (17 ft^2)
- Battery buffered system
- Easy installation
- Simple commissioning
- High flexibility

Charging power
up to 320 kW

Battery capacity
140 kWh

Nominated for the German Future Award

Next generation: ADS-TEC Energy ChargePost

Already available in Europe

All-in-One.
Follow the demand.

- Saving money: Cuts peak power demand by up to 65%
- Bi-directional charging
- 75-inch display
- Battery buffered system
- Easy installation
- Simple commissioning
- Compact footprint

Charging power
up to 300 kW

Battery capacity
up to 201 kWh

Production Site Near Dresden

Automotive Standards

ChargeBox: Max. 5,000 units/year

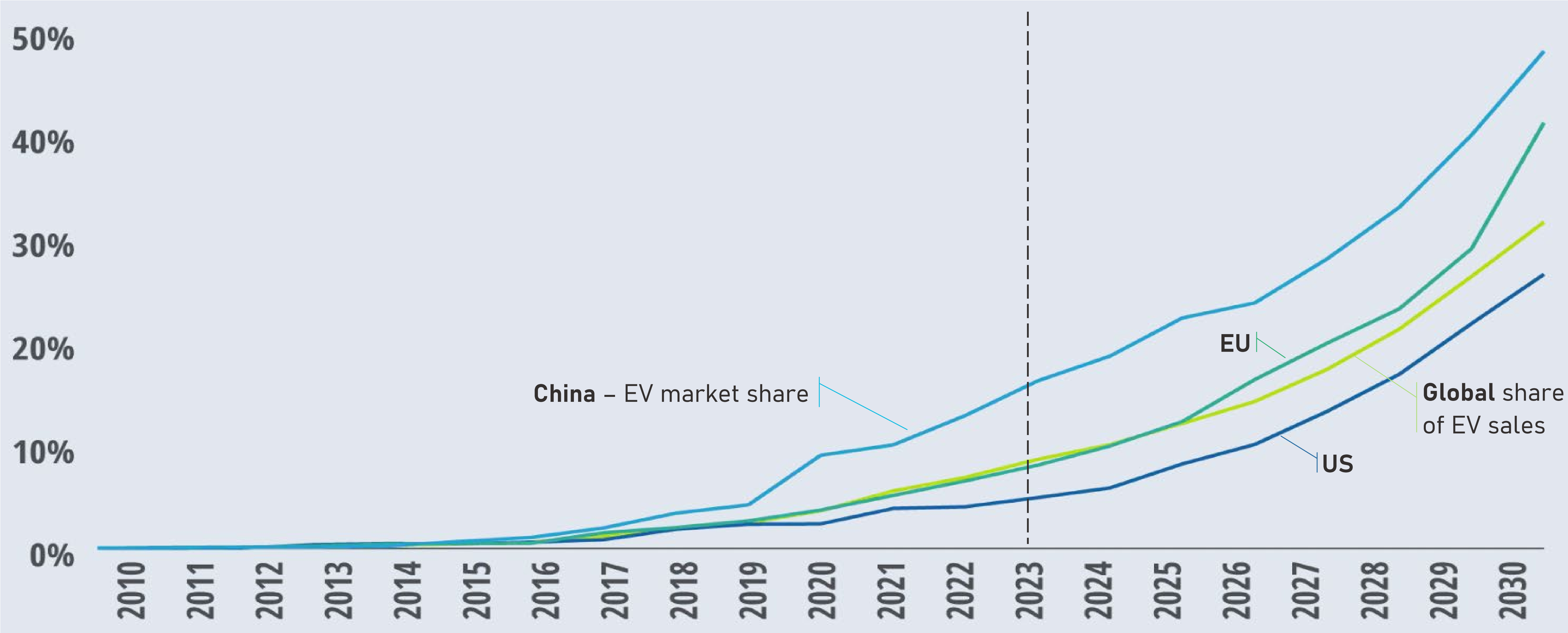
Dispenser: Max. 10,000 units/year

ChargePost: Max. 6,120 units/year

Charging Power of 5,000 ChargeBoxes is equal to > 145,000 L2 chargers

*L2 Charger/AC Wallbox with 11kW

Outlook for EV market share by major region: Up to 43 Mio. EVs in the US and 34 Mio. EVs in Europe by 2030



Source: Deloitte analysis, IHS Markit, EV-Volumes.com[17]

Future demand of fast-charging infrastructure will be focused on 4 usecases

- Residential / Urban areas
- Car dealerships / OEM charging networks
- Gas stations / E-Mobility hubs
- Workplace charging / Office buildings

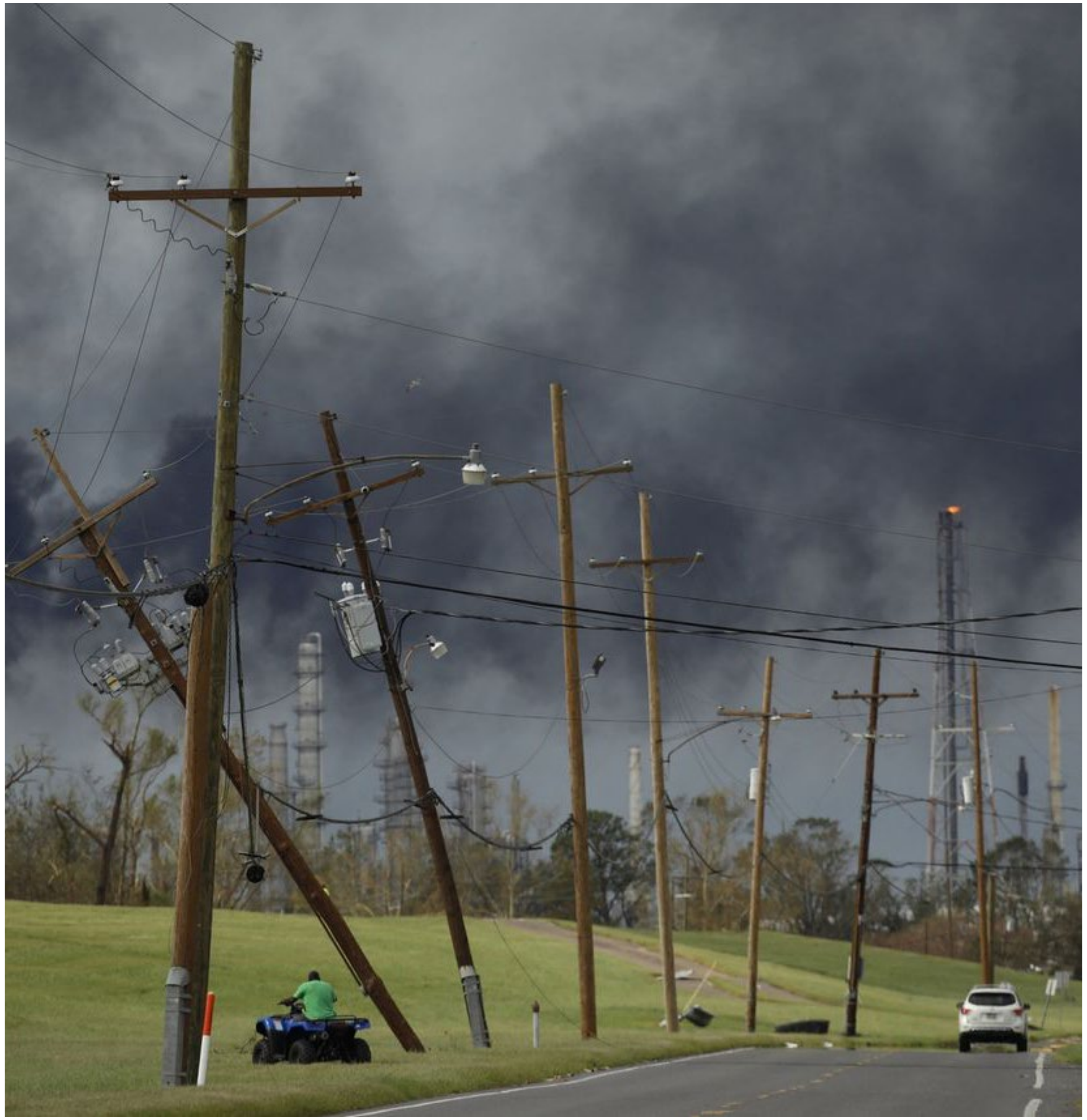
Lessons Learned: L2 chargers

- Perfect for home charging
- Own L2 charger at dedicated parking lot
- Final destination with multiple hrs charging session

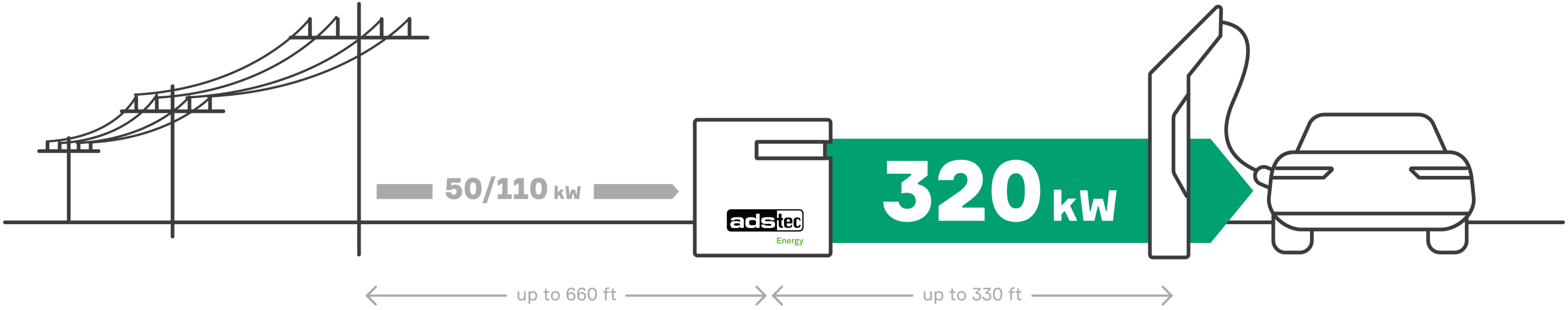
Will the electricity grid provide a bottleneck for the EV ramp-up?

- Increase in renewable generation and expansion of electrification **challenges the grid**
- U.S. needs to expand electricity transmission systems **by 60% by 2030**, and may need to triple it by 2050
- Note: **>70% of the grid** transmission lines and power transformers are **over 25 years old**
- At the local level: Utilities need to find solutions to **accommodate the increased stress on grid resources from EV charging**

- **ADS-TEC Energy offers the right solution with the needed flexibility and the financial benefits over decades! For investors. For owner & operator.**

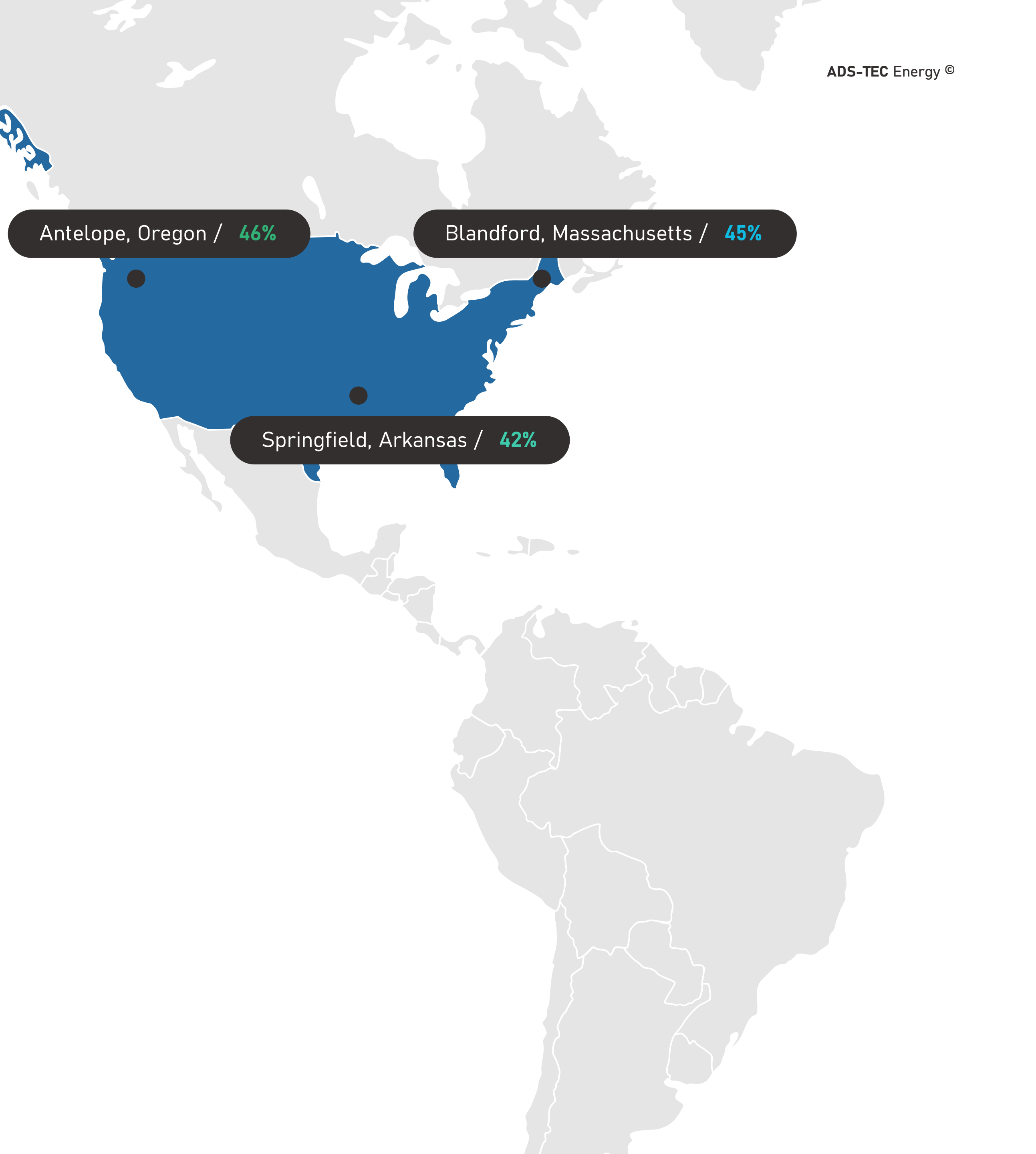


Battery-buffered charging can reduce peak power demand by 65% vs. common DC chargers



Savings for owner & operator due to battery-buffered EV charging!

The impact of demand charges on the electricity bill.



Blandford, Massachusetts (ZIP 01008)

Pay just 45% of operating costs by investing in a battery-buffered charging solution, to avoid demand charges

Annual Saving: Up to $56,000

Antelope, Oregon (ZIP 97001)

Pay just 46% of operating costs by investing in a battery-buffered charging solution, to avoid demand charges

Annual Saving: Up to $45,000

Springfield, Arkansas (ZIP 73074)

Pay just 42% of operating costs by investing in a battery-buffered charging solution, to avoid demand charges

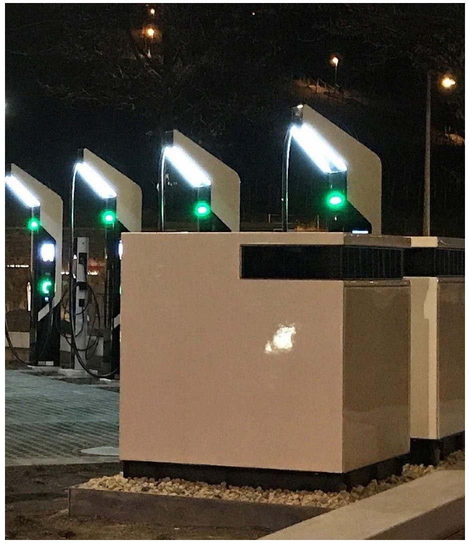
Annual Saving: Up to $92,000

Proof of Concept & Track Record.

#1: Porsche car dealerships

Delivery of more than 1,000 charging points to ensure future-proof ultra-fast charging performance

- **Future-proof** charging technology for all brands and models (400V, 800V, 900V, CCS1, CCS2, NACS)
- Many dealerships **struggle with grid capacity** for standard DC chargers
- **Global roll-out** of the ChargeBox
- **>97% availability** of the charging systems

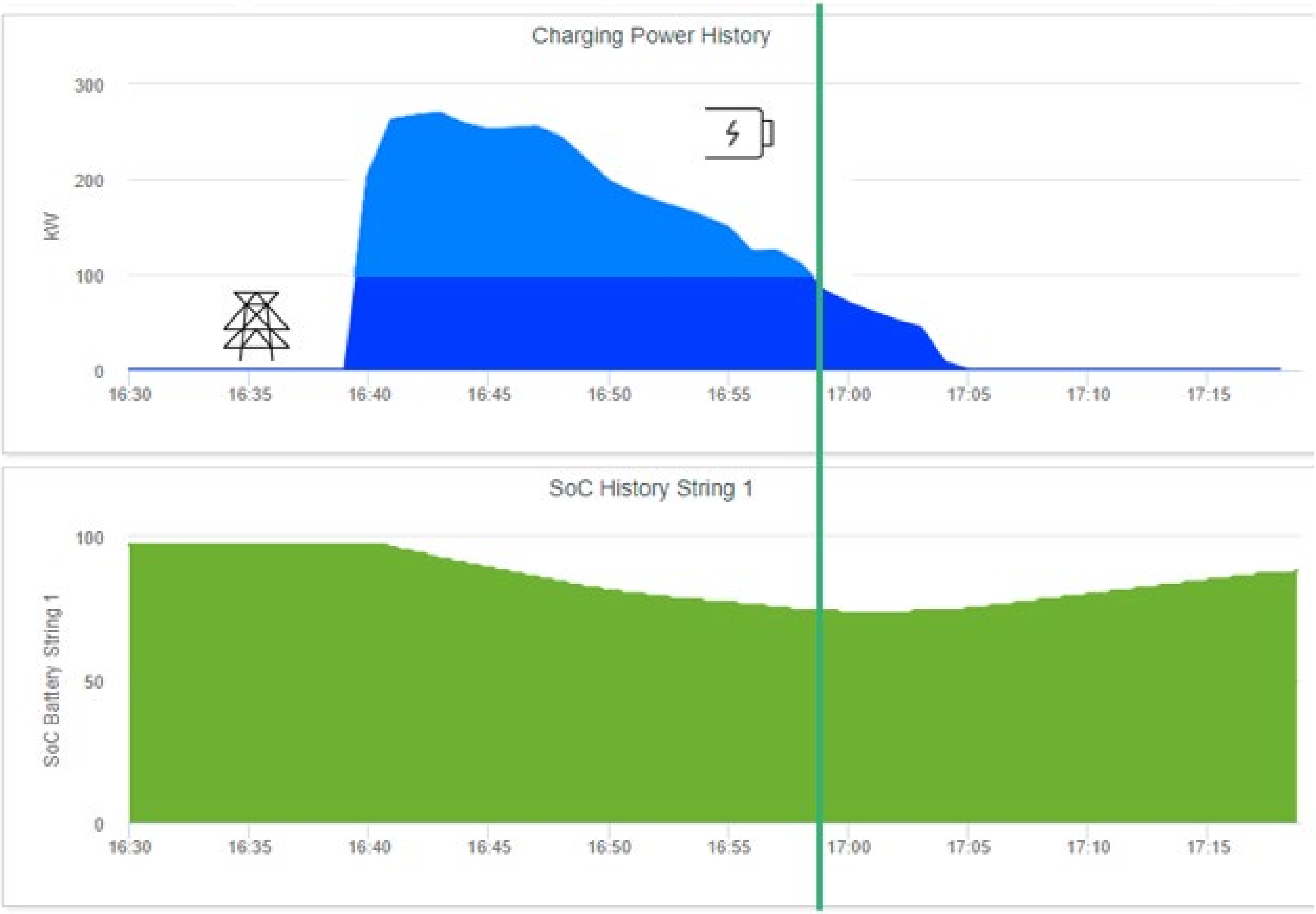


#2: Urban area ultra-fast charging location

Ultra-fast charging with 320kW on 110kVA Grid

- Gas station equipped with ChargeBox in Stuttgart, Germany
- Located on arterial road for commuters in / out of Stuttgart City
- 110kVA Grid
- 2 Dispensers (charging ports)

No derating for high-performance EVs on limited grids



Timeframe: Session

- 1 Charging Session, 25 min
- 68,9kWh Energy delivered
- P.max 268kW; P.avg 165kW

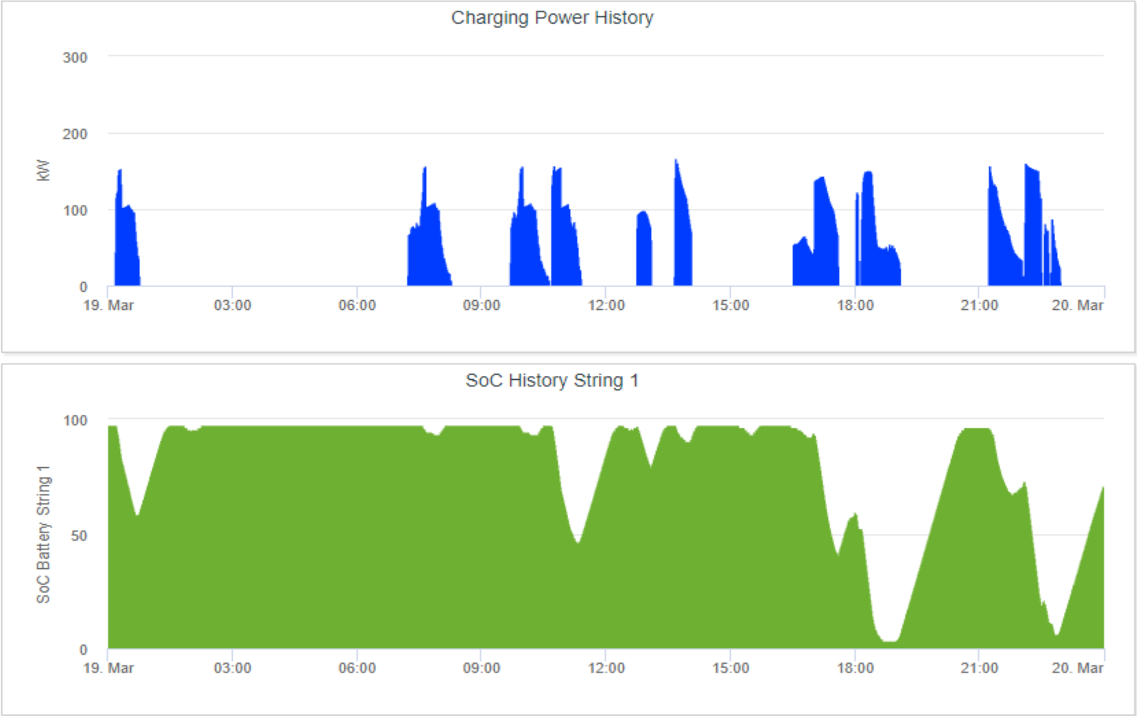
Battery-buffered charging

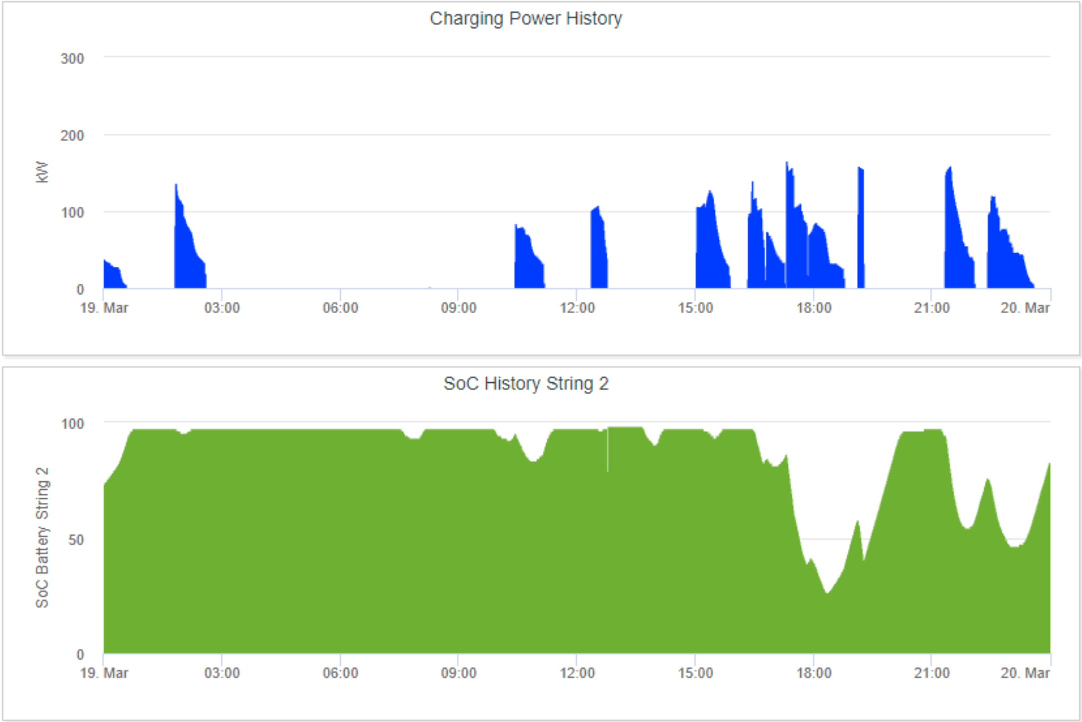
- EV demands up to ~270kW
- Grid capability is only 100kW
- ChargeBox **battery boosts remaining 170kW** to fulfill EV peak demands
- ChargeBox battery **immediately starts recharging** after EVs demand drops below grid capability

More than 1.1MWh energy daily throughput

Timeframe: Day

22 Charging Sessions, 1.160kWh Energy delivered (52,8kWh per Session avg; P.max 167kW)





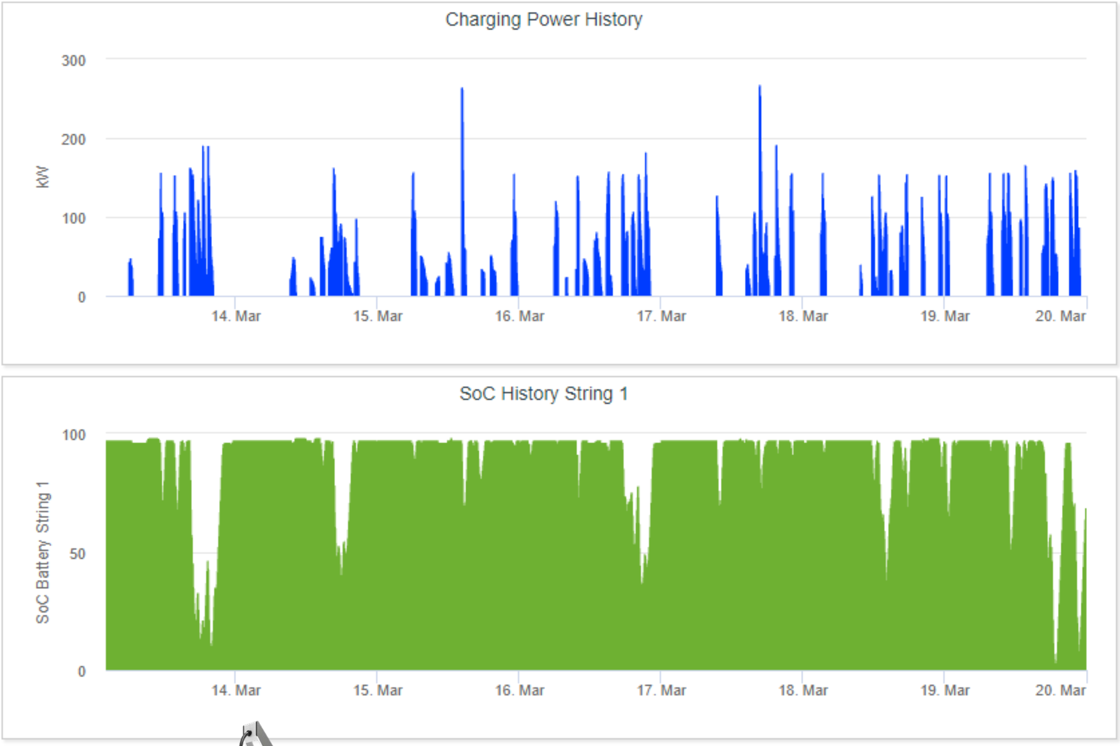
29,79% utilization (h / day)

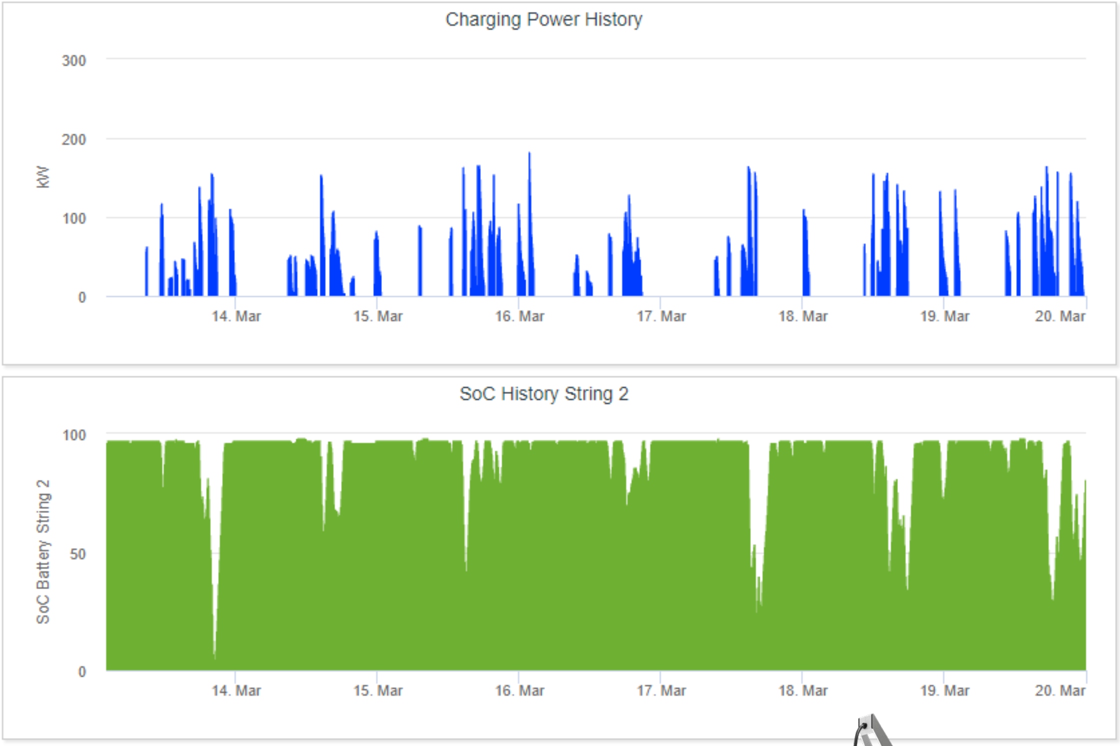
29,44% utilization (h / day)

~5,9MWh sold at 0,65€ = ~3.850€/week and ~200.000€/year

Timeframe: Week

139 Charging Sessions, **5,918kWh** Energy delivered (42.6kWh per Session avg; P.max 268kW)





Avg 27% utilization (h / day)

Avg 25% utilization (h / day)

Financial Highlights.

Unaudited Financial Highlights 2023

- **2023** guidance of **more than €100 million revenue** for 2023
- **2024: Substantial growth** driven by strong customer demand and market size

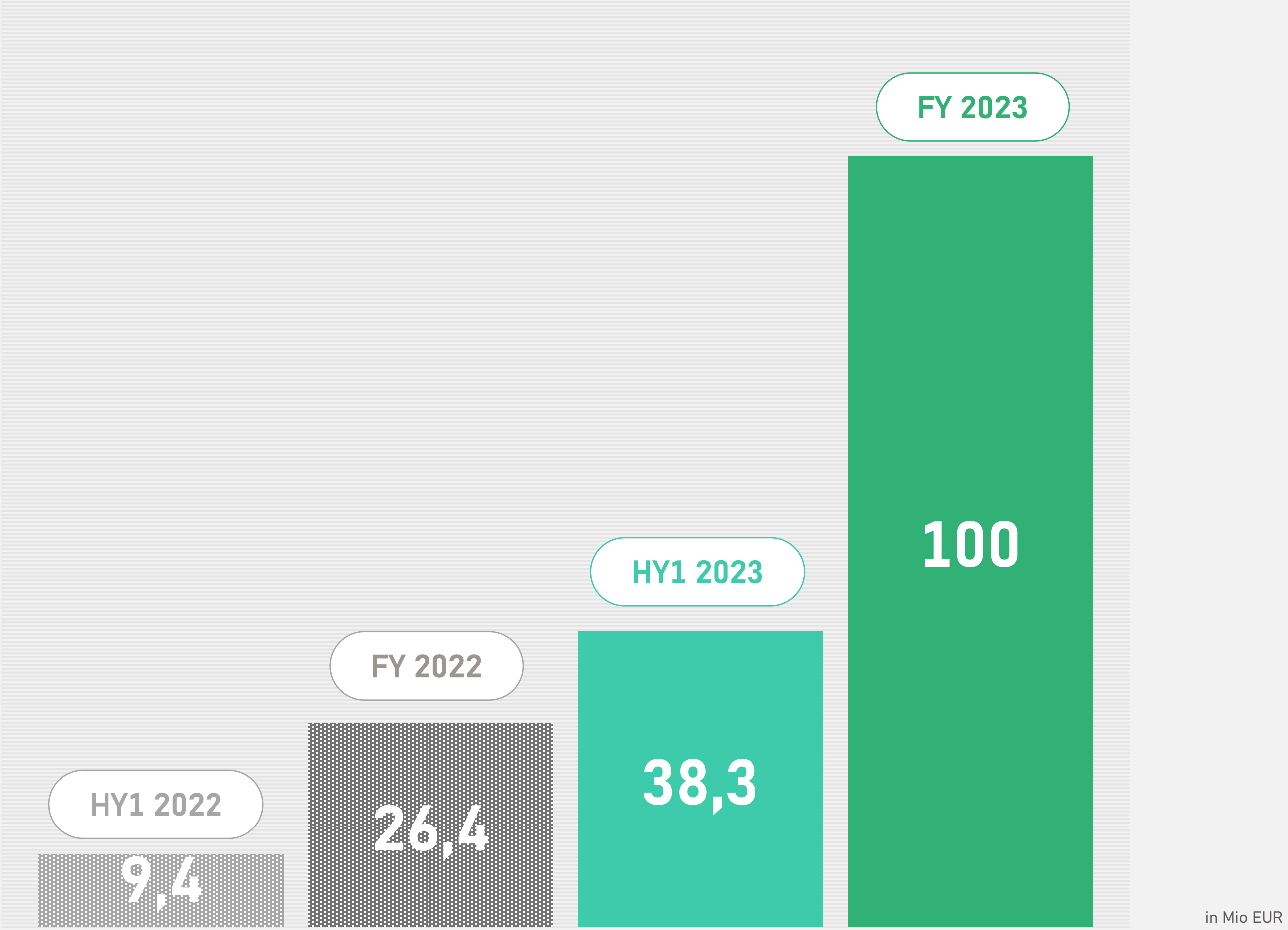
Strong Business Model

Robust Customer Demand

Substantial Growth

Long-term Shareholder Value

Unaudited revenues HY1 2023 and outlook until end of 2023



Why ADS-TEC Energy is the right choice for your future-proof investments:

- ADS-TEC Energy is the **Single-Point-of-Contact!**
  - We ensure a **long-term ability to act,** being **future-proof** and having a **safe investment**
  - **Value-added-services** ensuring the operation of our systems over decades
- **Battery-buffered DCFC charging provides a feasible alternative**
  - **No** expensive **grid expansion**
  - **Demand charge savings**
  - **Integration of renewable energy** through battery
- Real use-case data shows that
  - **No derating** for high performance EV on power-limited grids
  - **Back-to-back vehicle** charging is possible
  - The **battery buffer does not limit the charging experience**

Thank You.

Thomas Speidel (CEO)

10th of August 2023