



Enabling Ultra-Fast EV Charging Anywhere



September 15, 2022

We develop, manufacture,
and market

**revolutionary
Power Boosters,**

Enabling EV
ultra-fast charging
Anywhere



ZOOZ Power At A Glance

Located in
LOD

Established in
2013

Public since
2021

45
Employees
(& growing)

23
Patents
(+6 pending)



Market Cap.

\$55M

As of 14.9.22



Cash in Bank

\$27M

As of 30.6.22

Funding Round - March 2022

- > **~30M\$ investment** (with Options, can increase to ~\$50M)
- > Important **vote of confidence** by major Israeli firms
- > Will **allow growth and execution** of short- & medium-term plans



MEITAV DASH.





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

**But
grid infrastructure
cannot support it**



Existing Electric Grid cannot support EV Ultra-Fast Charging

THE NEED

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

- Today – less than 15 min.
- In the future – ~5 minutes

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

	Charging Power	Charging Duration
Slow (AC)	4kW-22kW	2-8 hours
Fast (DC)	50kW	~ 45 minutes
Ultra-fast (today)	150kW	~ 15 minutes
Ultra-fast (future)	450kW	~ 5 minutes

THE GAP

Ultra-fast charging requires **HUGE** power capacity
But, existing distribution grid is power-constrained.

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

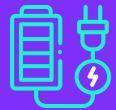
“DCFC* can draw the equivalent of a whole neighborhood’s electricity needs at once.”

“Large investments ...are required in transmission lines, substations, transformers etc.”

Forbes May 5th, 2021

Enabling Today Ultra-Fast Charging Anywhere

Using an Energy Storage System, as a **Power Booster** – to accelerate charging, even where existing grid is power-constrained



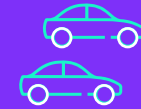
Ultrafast Charging
>200km in 15 minutes



Less waiting
in line



Vast Deployment
of Fast-chargers



Charge more
cars

Enabling **Today** Ultra-Fast Charging **Anywhere**





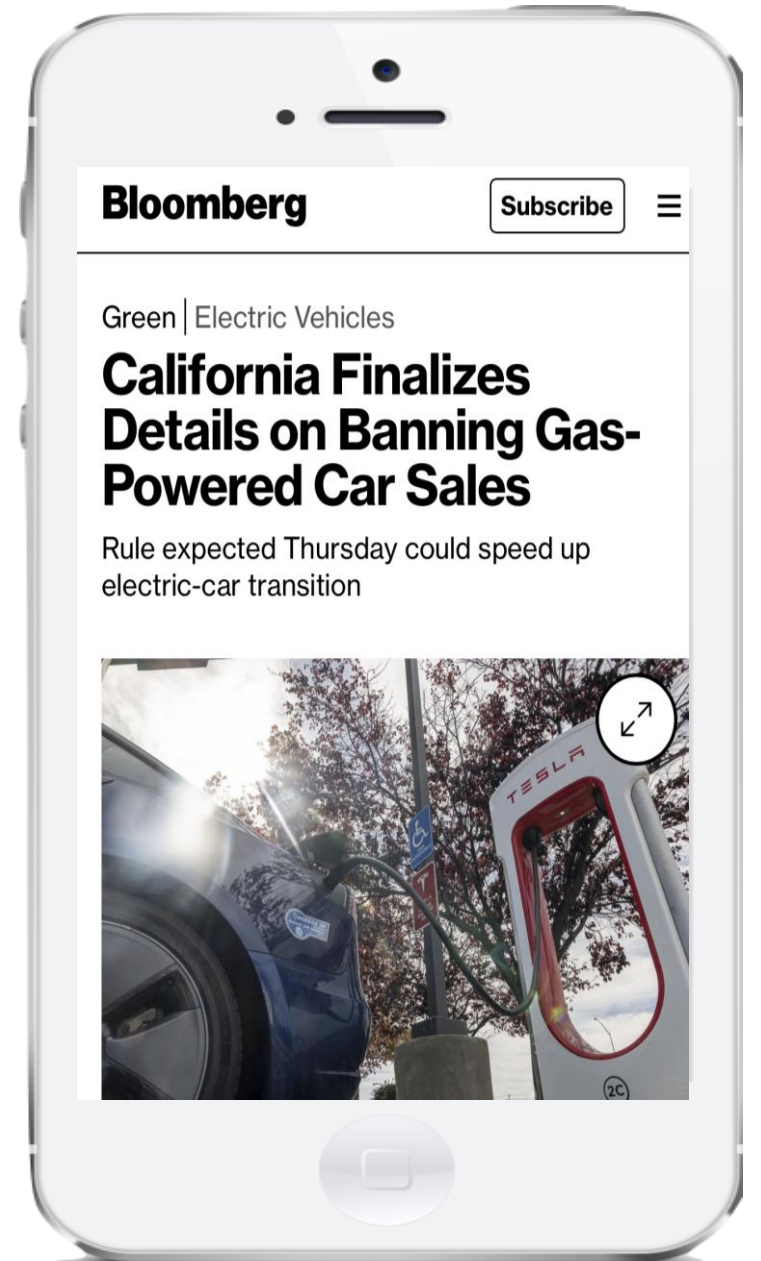
The EV revolution is accelerating



Transition to EVs, Ban of ICE sales

 Norway 2025	 Germany 2035
 Singapore 2030	 Japan 2035
 Sweden 2030	 China 2035
 Chile 2030	 Iceland 2035
 Ireland 2030	 Canada 2035
 Slovenia 2030	 California (United States) 2035
 Netherlands 2030	 South Korea (Planned) 2035
 United Kingdom 2030	 Spain 2035

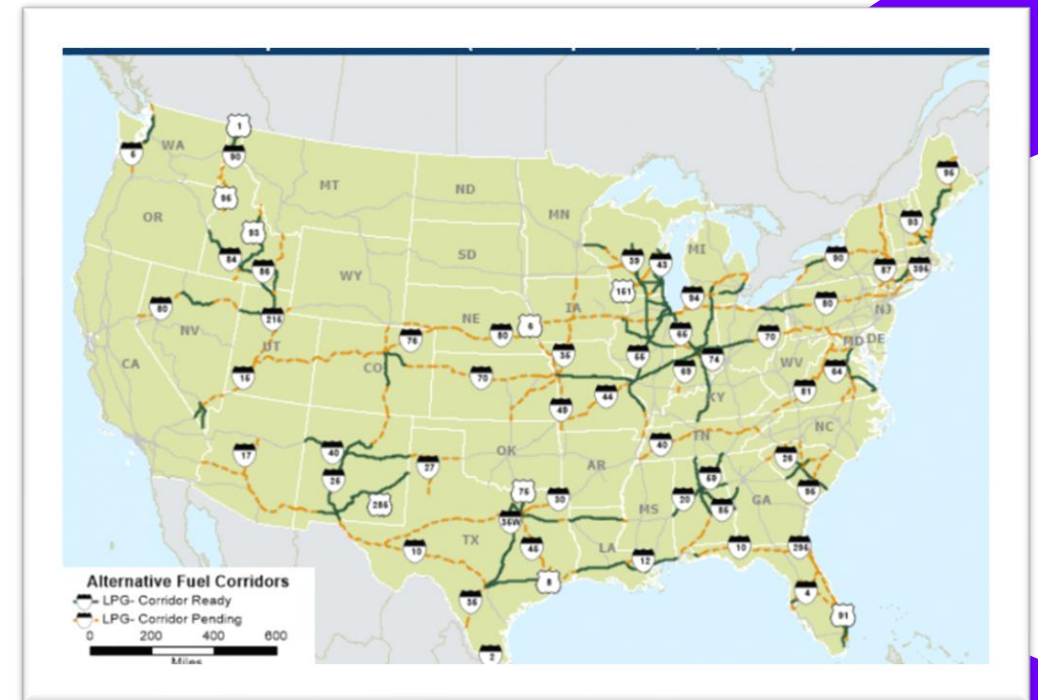
~176mm EV Sales
projected in these countries
(cumulative '22-'31)



USA - NEVI (National EV Infrastructure) Program

About NEVI:

- Federal funding of **\$5B** for EV-Charging along **Alternative Fuel Corridors**
 - To be allocated by state DOTs in '22-'26
 - Plans approval by FHWA, by Sept. 30th each year
 - Federal cost-share - up to 80%.
- Additional **\$2.5B** in discretionary funding – No guidance yet




























Requirements For Charging Infrastructure:















Installed **every 50 miles** along state's interstate HW **within 1 mile of the exit**

Include **min. 4 x 150kW DCFC** capable of simultaneously DC charging of 4 EVs

At food retailers, convenience stores, etc.
(publicly accessible locations)

Unprecedented Electrification Commitments by Automakers

OEM	OEM Brand/Region	BEV Target	Year
		50%	2030
		100%	2032
		100%	2040
		100%	2030
		100%	2019
		100%	2033
		80%	2030
		50%	2030
	VW Group Worldwide	60%	2030
	North America	70%	2030
VW Brand Europe	100%	2030	
	 Renault Group Europe	100%	2025
		100%	2030
	 Europe	50%	2030
	 US	100%	2030
		100%	2028
	 Europe	100%	2027
	 Europe	100%	2028
		100%	2027
		100%	2030
		50%	2030

OEM	OEM Brand/Region	BEV Target	Year
	Group	100%	2035
		100%	2030
	EU pass. Cars	100%	2030
		50%	2025
	LINCOLN		
		78%	2030
	 Europe	47%	2030
	 Worldwide	34%	2030
		100%	2027
		100%	2036
		100%	2030
	Europe	75%	2026
	VW Group Europe	40%	2030

Unprecedented Electrification Commitments



Automotive News

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Starbucks while you wait for your car to charge? Volvo Cars will install up to 60 fast chargers at 15 Starbucks stores across a 1,350-mile route from Denver to Seattle by year end. The chargers will be from ChargePoint but Volvo-branded. It's the latest experiment from an auto brand not shy about exploring new business models — from vehicle subscriptions to an online-first retail strategy.



Automotive News, 18.8.2022

Bloomberg

Subscribe



Green | Hyperdrive

Car-Charging Investment Soars, Driven by EV Growth and Government Funds

The industry has seen more than \$4.8 billion in roll-out announcements, investment, debt financing and acquisitions already this year.



Bloomberg, 16.8.2022

Transition of Charging Infrastructure

Market is moving from Private (slow) charging to Public Ultra-fast Charging
 → Realizing Grid's Power-Limitations



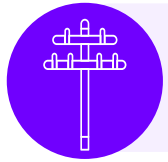
Public Charging Infrastructure is **critical** to enable transition to EVs



New car models – Ultra-fast Charging becomes a **MUST**

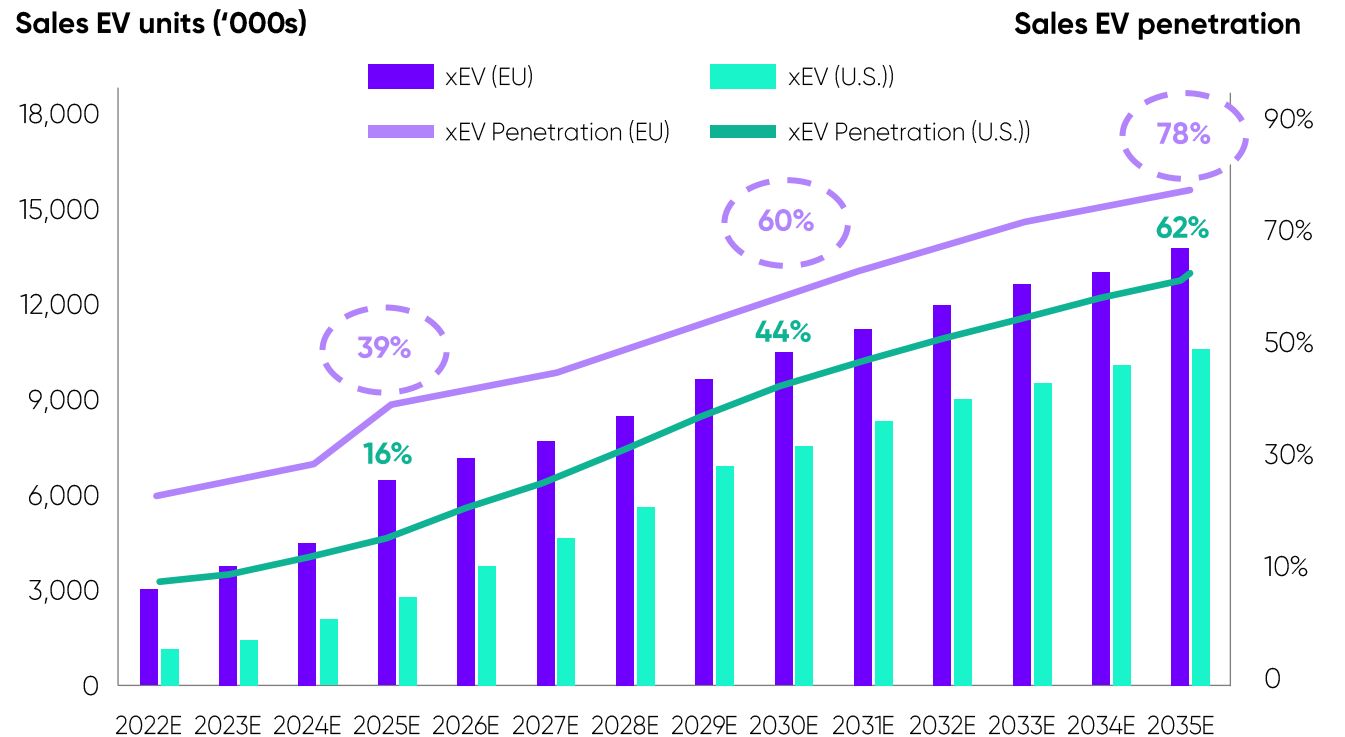


Public Charging infrastructure is **moving to Ultra-fast Charging**



Increasing awareness to **grid limitations & demand charges**

EV Penetration Sales Forecasts: Europe vs. U.S.



Source: BNEF

The Kinetic Power Booster ZOOZTER-100™



Innovative patented Flywheels technology



Sustainable-Non-chemical



High Power



High - Performance



Cost Effective



Flexible & Modular



Durable & Reliable



Safe
(CE & UL Cert.)



> Contains **8 ZOOZ V8 Flywheels**

> **Power** > 100kW (for 15 min.)

> **Energy** – 25kWh (at 100kW)

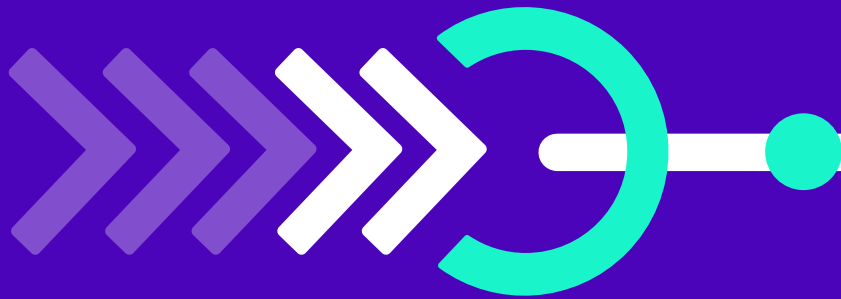
> **Footprint** ~half parking space

> **Weight** – ~9 Tons

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

Launch of the ZOOZTER-100™

- Finalized Flywheel certification
- Build of 1st batch of ZOOZTER-100 systems
- Final stage of EU-configuration system's testing
- On-going Integration of US-configuration
- Effort to solve supply-chain issues and finalize improvements of sub-systems



Expecting*:

- Finalize EU-certification within a few weeks
- Finalize US-certification (Factory tests) Before end of 2022.

Will allow, before end of 2022*:

- Start EU sales
- Start deliveries to US Pilots

* Company estimation, subject to changes

Israel



Pilot with Afcon Elect. Transportation & Dor-Alon



Israel Innovation
Authority approval
April '22



Pilot location
Dor Alon
Or-Zichron



Site Integration
start Nov. 2022*



Site planned to be
operational before
end 2022*.



* Company estimation, subject to changes

** Image is a simulation



Initial Sales in EU/ Germany

- Contracts for 5 fast charging sites
- **Turnkey solution, based on ZOOZTER-100™.**
- Site's build price - €500K (70% for ZOOZ)
- Operation contract for 15 years – O&M service + 15% of operational profit.

Strategic Value:

- Penetration to DACH and other EU markets
- Cooperation w/ local EPC & CPO

Status:

- Four sites – moving forward with construction
- Deliveries of systems during Q4/22* & Q1/23*
- Expecting 5th location to be signed soon.

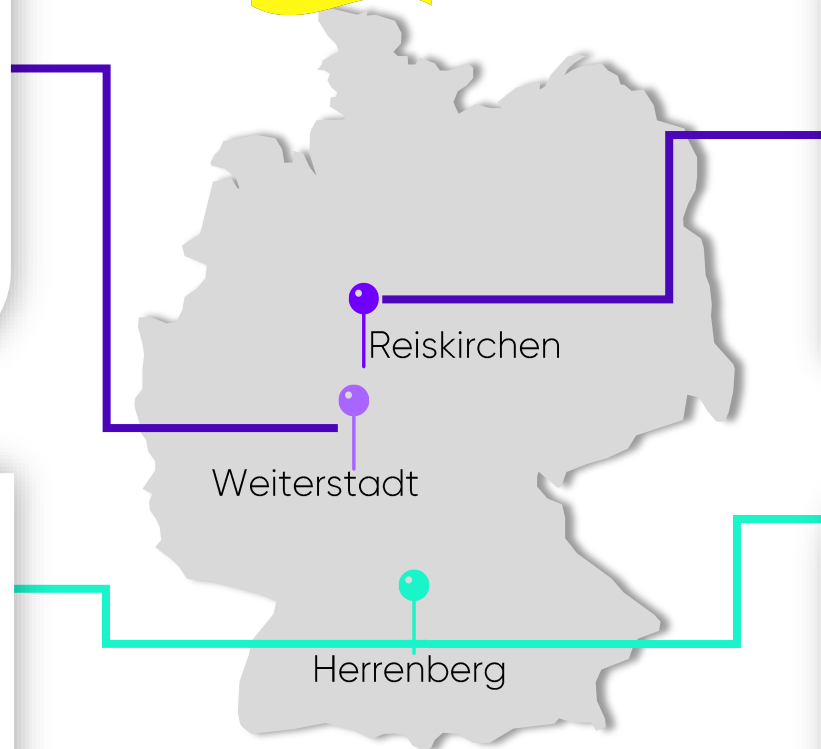
* Company estimation, subject to changes
** Image is a simulation



First Customers' Sites - Germany



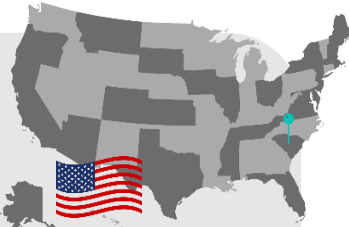
Germany



US Market Penetration

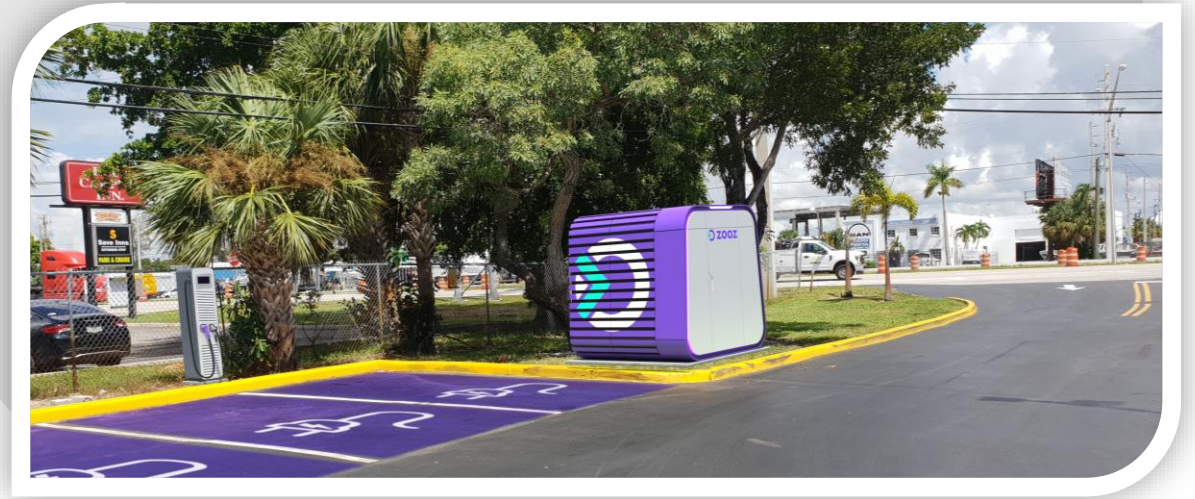
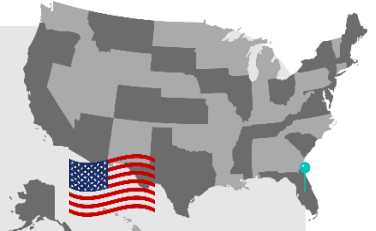
ARKO

- Pilot location - Scotchman (ARKO) Convenience store at Rockhill, SC.
- Charge-Point Operator – still in negotiation phase
- Delivery of ZOOZTER-100 system – during Q4/22*
- Site expected to be operational in Q1/23*



Blink

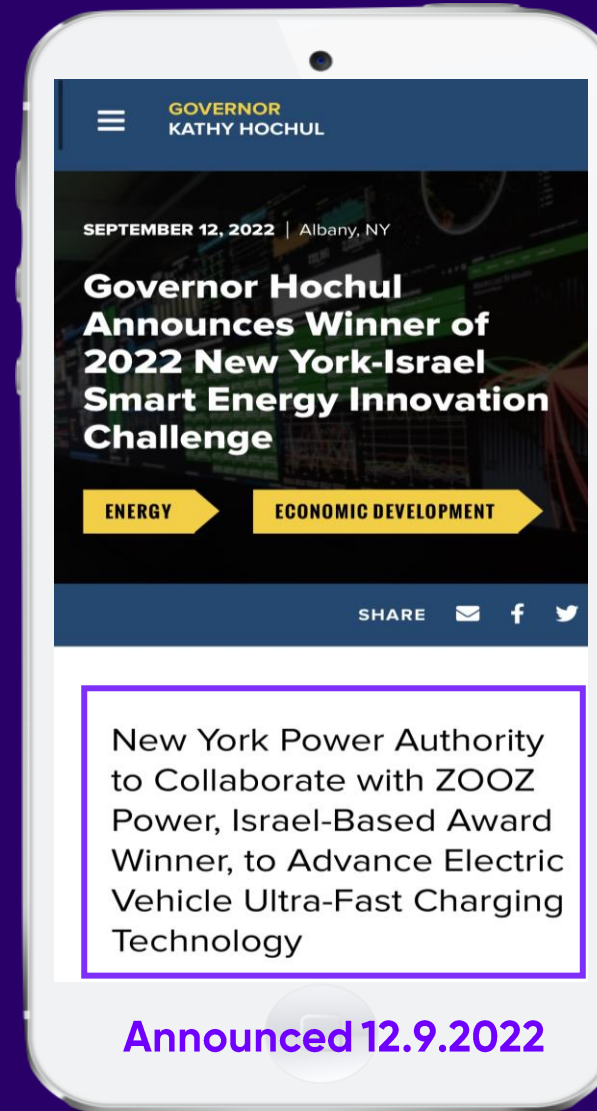
- Pilot location - Fort Lauderdale, FL (near Fort Lauderdale Airport & state road 84)
- EPC chosen and initiated
- Deliver ZOOZTER-100 system during Q1/23*
- Site expected to be operational in Q1/23*



US Market Penetration

Collaboration with New York Power Authority (NYPA)

- NYPA – Largest utility in the US. Renowned for innovation and new technology assimilation
- Demonstration of Ultra-fast charging, based on ZOOZTER-100
- Expected funding of ~\$900K
- Mutual demonstration to 3rd parties during demonstration phase.



“

New York governor announces funding for Israeli startup

New York governor announces trip to Israel, funding for Israeli startup

Governor Kathy Hochul to visit Jewish state for first time in office, pledges \$1 million to electric vehicle charging company Zooz Power

By LUKE TRESS
13 September 2022, 4:12 am | 2



New York Governor Kathy Hochul speaks during a news conference in New York, July 21, 2022. (AP Photo/Seti Wenig)

* Company estimation, subject to changes

Summary

- EV infrastructure market is accelerating
Market's trends - supporting **HUGE potential** for our unique solution.
- Understanding Grid's limitation, increasing sense of urgency –
Perfect timing for launching our innovative ZOOZTER-100™.
- Successful funding round –
Enables **focus on growth and execution** of plans
- First operating site in Israel – by end of 2022*
- **Initiating Sales** in Germany in 2022*
Expecting* additional orders & Business collaborations
- **Moving forward with US penetration** –
Pilots to be operational by early 2023*.
- Working on **additional opportunities** (Europe & US)



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