

ADS-TEC Energy

Power ... Everywhere

Our mission is to deliver distributed, high-capacity power for the All-Electric World



Disclaimer



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This presentation includes "forward-looking statements" within the meaning of the "safe harbor" provisions of the U.S. Private Securities Litigation Reform Act of 1995. Forward-looking statements may be identified by the use of words such as "may," "might," "wull," "would," "could," "forecast," "intend," "seek," "target," "anticipate," "believe," "expect," "estimate," "plan," "outlook" and "project" and other similar expressions that predict or indicate future events or trends or that are not statements of historical matters. Forward-looking statements are based on our current expectations, estimates, projections, targets, opinions and/or beliefs or, when applicable, of one or more third-party sources. No representation or warranty is made with respect to the reasonableness of any estimates, forecasts, illustrations, prospects or returns, which should be regarded as illustrative only. Such forward-looking statements, which include estimated financial information, involve known and unknown risks, uncertainties and other factors. These forward looking statements include, but are not limited to, express or implied statements regarding our future financial performance, revenues and capital expenditures, our expectation of acceleration in our business due to factors including a re-opening economy and increased EV adoption and expectations related to the effective deployment of chargers. A number of factors could cause actual results or outcomes to differ materially from those indicated by such forward-looking statements. These factors include, without limitation: changes or developments in the broader general market; ongoing impact from COVID-19 on our business, customers, and suppliers; macro political, economic, and business conditions; our limited operating history as a public company; our dependence on widespread adoption of EVs and increased installation of charging stations; mechanisms surrounding energy and non-energy costs for our charging products; the impact of governmental support and mandates that could

Further information on these and other factors that could affect the forward-looking statements we make in this presentation can be found in the documents that we file with or furnish to the U.S. Securities and Exchange Commission, including our 20-F filed with the SEC on December 29, 2021 and proxy statement/prospectus filed with the SEC on December 7, 2021, which are available on our website at https://adstec-energy.com/investor-relations-corporate-governance/ and on the SEC's website at www.sec.gov. Additional information will also be set forth in other filings that we make with the SEC from time to time. All forward-looking statements in this presentation are based on our current beliefs and on information available to us as of the date hereof, and we do not assume any obligation to update the forward-looking statements provided to reflect events that occur or circumstances that exist after the date on which they were made or to update the reasons why actual results could differ materially from those anticipated in the forward-looking statements, even if new information becomes available in the future.

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14 Years of Developing Core Capabilities

Advanced Energy Storage, Power Conversion, Digital Control Systems, Software Platforms





Energy Storage and Control Systems for Commercial and Residential Applications



Microgrid in Lithuania; managing mixed input feed while Battery-Buffering System provides 150KWhr.

Stable, Reliable Energy Far from Power Supply Networks



Isolated Off-Grid Power Plant; managing very large-scale mixed feed while Battery Buffering System provides multi MWhrs of capacity. Hybrid Power Plant Energy Generation





Home Power Plant in Switzerland; Battery Buffered System providing 9MWh (year 1): **PV, Solar, Thermal, Storage**

Leading DC battery-buffered Ultra Fast Charging for Porsche



Meeting The Challenging Requirements of the New Porsche Taycan even at power limited grids



3 Years of Joint Development



Efficient Ultra Fast Charging without Dependency from High-Power Grids



Delivering up to 320KW even on power limited grids



Integration of Advanced Silicon Carbide Charging Technology with Lithium-Ion Battery Buffering, Cooling System and Controls

The Need for Power: The Need for Speed





Sources: EV-Database.org, company data

Notes: (1) Illustrative selection, model specifications and figures based on EV-database.org; (2) Expected for 2021; (3) Maximum overhead charging rate for 35 foot Proterra ZX5 bus; (4) Available grid power and capability of car provided; (5) Assuming a power consumption of 40kW per 100 miles; (6) Calculated for 10kW charging power; (7) Calculated with 50kW charging power; (8) Calculated for 250 kW charging power (output & car capability provided).

High Power is Only Availability in Limited Areas

Advanced Battery Buffering Allows for The Added Power Needed at the end of the line





ChargeBox

Boosts Lower Power Availability to Useful Fast Charging Power



From 110 kW Up to 320kW Input of 480 V grid AC **Output and 920V DC** LOW POWER INPUT-50KW up to 110KW HIGH POWER OUTPUT – even up to 270KW output with 50KW input

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Input / Output Capacity of the Charging Infrastructure





Benefits of ADS-TEC Battery-Buffered Technology



vs Grid Upgrade and Common DC Chargers



Independent Source- Used With Permission: SAI - Typical system installation in the US based on their analysis

(1) Illustrative pricing

(2) 50KW input power

US Government Public Source: NREL - National Renewable Energy Laboratory, Utility published rate charts

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ChargeBox: Lower Installed Cost vs Standard DC Chargers with Grid Upgrade

Reduced Construction Costs, Elimination of Switchgear Upgrades drives lower installed Cost with reduced Construction and permitting Time

Deep dive Total Cost	ADS-tec ChargeBox DC fast charger (2 x 140KW) (2)	Non–battery based DC fast charger (2 x 150KW)
💖 Utility fees	\$ 5,220	\$ 30,000
Low voltage cables	\$ 2,175 \$ 2,900 (Increased num	 \$ 3,599 Additional equipment and materials needed • GC travels to sites within market area
Trenching, conduits, backfill	\$ 14,305 conduits, la trenches and trenches and trenches and area	arger d pad \$ 29,571 \$ 27,961
Equipment installation and wiring	\$ 8,540 5 pieces of equ to set and wir \$ 10,689 switchgear ha bays. Several	uipment \$ 22,452 ire and \$ 25,438 (days of) \$ 4,017
Commission, test, document	\$ 2,000 labor to pull wi \$ 1,439 termination	te ; \$ 7,059
Subtotal Charger cost ⁽¹⁾ Switchgeogr Cost	\$ 57,672 \$ 200,000 Cost savi of ~ 189	\$ 160,845 \$ 120,000 ← Charger cost is reflective of bulk pricing from OEI
Total Cost	\$ 257,672	\$ 35,000 \$ 315,845
Permitting and installation time		
New utility service Fabrication of switchgear		2-6 months 3-4 months
Construction	2-3 weeks	5 weeks

Source: SAI - Typical system installation in the US based on their analysis

(1) Illustrative pricing

(2) 50KW input power



ChargeBox: Minimal Peak Demand Charges vs Standard DC Chargers

ADS-TEC's Battery-buffered charging solution cuts peak demand charges

adicative		Peak Demand charge \$/kw/month							Peak Demand charge \$ per year							
selected & III Utility I		Location	ADSE ChargeBox (at 50KW)		Non–battery based DC fast charger (at 300KW)			ADSE ChargeBox (at 50KW)			Non–battery based DC fast charger (at 300KW)					
~	Bartholomew	Indiana) (\$	-)		\$	26 \$	/kw/month	(\$	- `	ì	\$	93,600	300kw/year
Complex formula adjusting energy price/kWh on power level	Inland	Washington)	\$	-		\$	8\$	/kw/month		\$	-		\$	28,152	300kw/year
	Nemana-Marshall	Kansas)	\$	-		\$	12 \$	/kw/month		\$	-		\$	43,200	300kw/year
	Roanoke	North Carolina)	\$	10		\$	10 \$	/kw/month	- 1	\$	5,700		\$	34,200	300kw/year
	Warren	Kentucky) ¦	\$	-		\$	15 \$	/kw/month	1	\$	-		\$	53,100	300kw/year
	Kit Carson	New Mexico		\$	-		\$	25 \$	/kw/month		\$	-	1	\$	91,764	300kw/year
	Taunton	Massachusetts) (\$			\$	15 \$	/kw/month		\$			\$	53,244	300kw/year

Average: \$ 56,751

While many of the installed ultra-fast chargers across the US are suffering from peak demand charges, ADS-TEC's CBX is able to avoid such costs based on the battery-based technology further strengthening the overall cost advantage in terms of TCO



ChargeBox: ~30% Lower Total Cost of Ownership



Taking into consideration both installation cost and peak demand charges, ADS-TEC's ChargeBox shows a tremendous advantage in Total Cost of Ownership



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Route to Market: Supply All Charging Network Operators, Uniquely Benefit Vertical Market Segments



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Source: Bloomberg NEF.

Notes: (1) Global number of EV Chargers in circulation excluding China; (2) Charge Point Operators.

World Class Manufacturing Facilities

adsiec

Production plants near Dresden / Germany





- Since 2009 production plant with 4,500 square meter (45,000 sq ft)
- Production for Industrial IT, Energy and EV Charging
- Warehouse and Logistics
- Service



- New production facility since 2020
- In the immediate vicinity of the other ADS-TEC production plant
- State-of-the-art assembly line including end-of-line
- Approx. 6,000 square meters (60,000 sq ft)

ChargeBox

Urban Sample Installations





Spain: Retailer



Germany: German Ministry of Environment



Federal Ministry for the Environment, Nature Conservation and Nuclear Safety



Berlin: Installed at a Gas station downtown

Global Senior Leadership: With Industry Specific Expertise





Energy

