



# KODIAK TECH PRODUCT SPECIFICATIONS

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# PRODUCT LINE-UP

## BLOWER



## PLOW



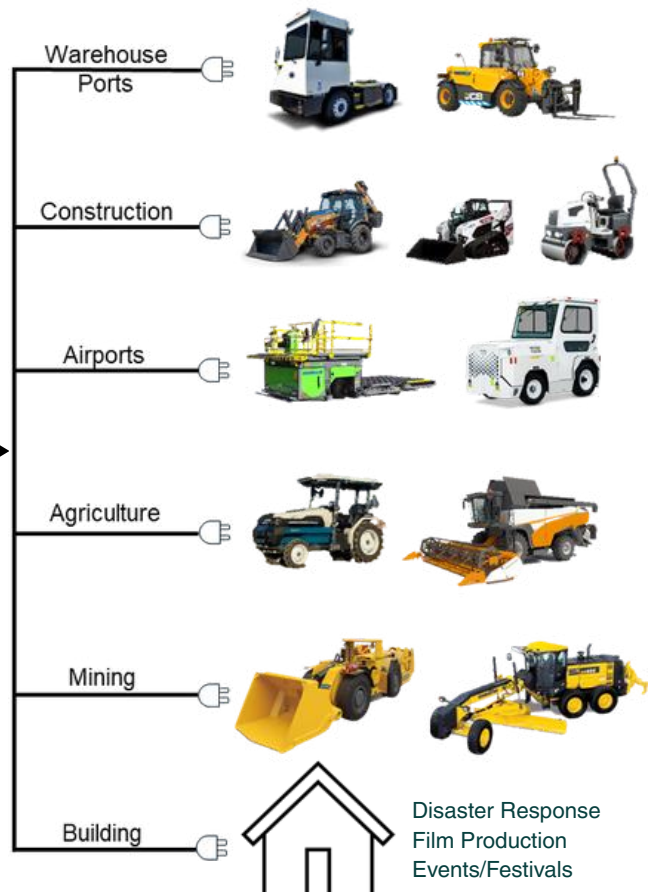
## BRUSH



## MULTI-TASKING EQUIPMENT (MTE)



## EXPORTABLE POWER CHASSIS



# KEY BENEFITS



Class VI blowers capable of clearing large volumes of snow quickly and efficiently, ensuring runways remain operational.



Designed to meet stringent environmental standards while delivering higher uptime and reducing your airport's carbon footprint.



Lower operational and maintenance costs compared to traditional snow removal equipment.



Able to serve as a portable power source to lower utility costs, provide emergency backup power, and support microgrid operations.



Patented snow flow sensor that automatically adjusts based on snow conditions and provides real-time snow performance data.



# TECHNICAL SPECIFICATIONS

	Plug-in Diesel Hybrid	Battery Electric	Hydrogen Fuel Cell
Performance class	7500 TON/hr		
Max Casting Distance	150 ft		
Zero Emission Mode Operation Time <sup>1</sup>	2+ hrs	4+ hrs	24 hrs
Hybrid Mode Operation Time	24 hrs	NA	NA
Operation Modes	Full Electric, Hybrid Diesel Electric	Full Electric	Fuel Cell
Battery Chemistry	NMC		
Battery Thermal Mangement	Yes, glycol-based heating/cooling		
Battery Capacity <sup>2</sup>	416 kWh	1040 kWh	416 kWh
Emission Standard	Tier 4 Final	N/A	N/A
Diesel Engine Power	478 kW (641 hp)	N/A	N/A
Diesel Fuel Tank Capacity	250 US GAL	N/A	N/A
Power Export Technology	Available Add-On		
Peak Drive Motor Power	470 kW (630 hp)		
Peak Drive Motor Torque	2450 N-m (1807 lb-ft)		
Peak Aux Motor Power	850 kW (1140 hp)		
Peak Aux Motor Torque	5400 N-m (3983 lb-ft)		
Max Travel Speed <sup>3</sup>	45 mph		
Max Working Speed	25 mph		
Supported Charging Standards	SAEJ1772 CCS1, SAE3400, SAE3105		
DCFC Charge Time 0 to 80% <sup>4</sup>	<1 hr		
Wheelbase	162 in		
Bumper to Bumper Length	330 in (Chassis), 426 in (including Blower Head)		
Width	126 in		
Height	144 in		
Curb Weight <sup>5</sup>	57000 lbs		
Combined Gross Axle Weight Rating	74000 lbs		
Steering System	4- wheel steer, electro-hydraulic		
Tire Size	385/95R24		

<sup>1</sup> Zero Emission Operation Mode Varies by Duty Cycle. With opportunity charging during break time, Battery Electric can support 24/7 operation

<sup>2</sup> Battery Capacity is a configurable based on duty cycle requirements.

<sup>3</sup> Vehicle travel speed to be limited according to local regulations.

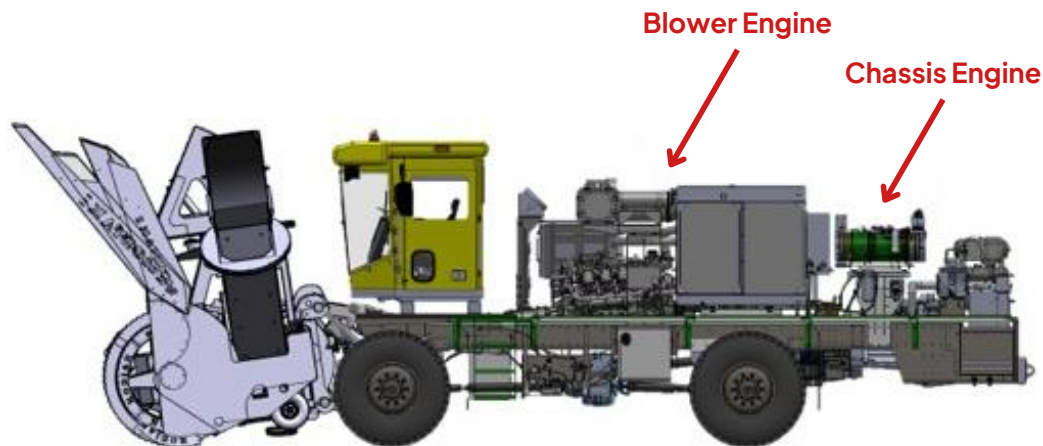
<sup>4</sup> Charge Power/Time Varies based on Charging Standard.

<sup>5</sup> Vehicle weight is subject to change depending on fluid levels and configurable options.



# HOW IT WORKS

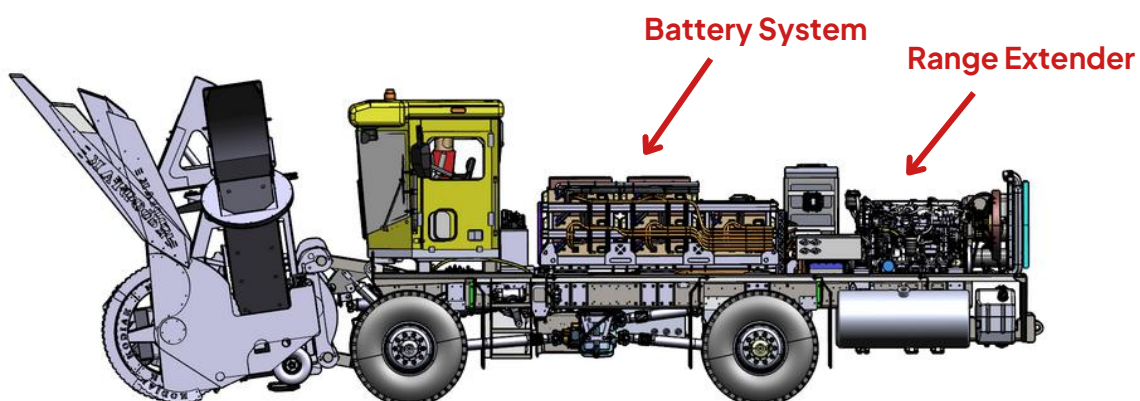
## KODIAK AMERICA: DUAL ENGINE CHASSIS



This vehicle operates with two separate engines:

- **Blower Engine** – Dedicated to powering the blower for clearing snow, debris, and other obstructions.
- **Chassis Engine** – Provides propulsion for the vehicle itself.

## KODIAK TECH: GREEN CHASSIS



- Replaces the two-engine system with one range-extender engine, which only charges the battery and does not directly drive the vehicle or blower.
- Utilizes electric drive systems to enhance efficiency and performance.

# MICRO GRID & BACKUP POWER

## Vehicle-to-Grid (V2G) Ready

- Enables power to flow back to the grid, helping airports manage demand and increase energy efficiency.

## Utility Bill Savings

- Stores energy and discharges during peak periods, reducing electricity costs.

## Supports Airport Electrification

- Expedites and minimizes cost for infrastructure upgrades while enhancing grid resilience.

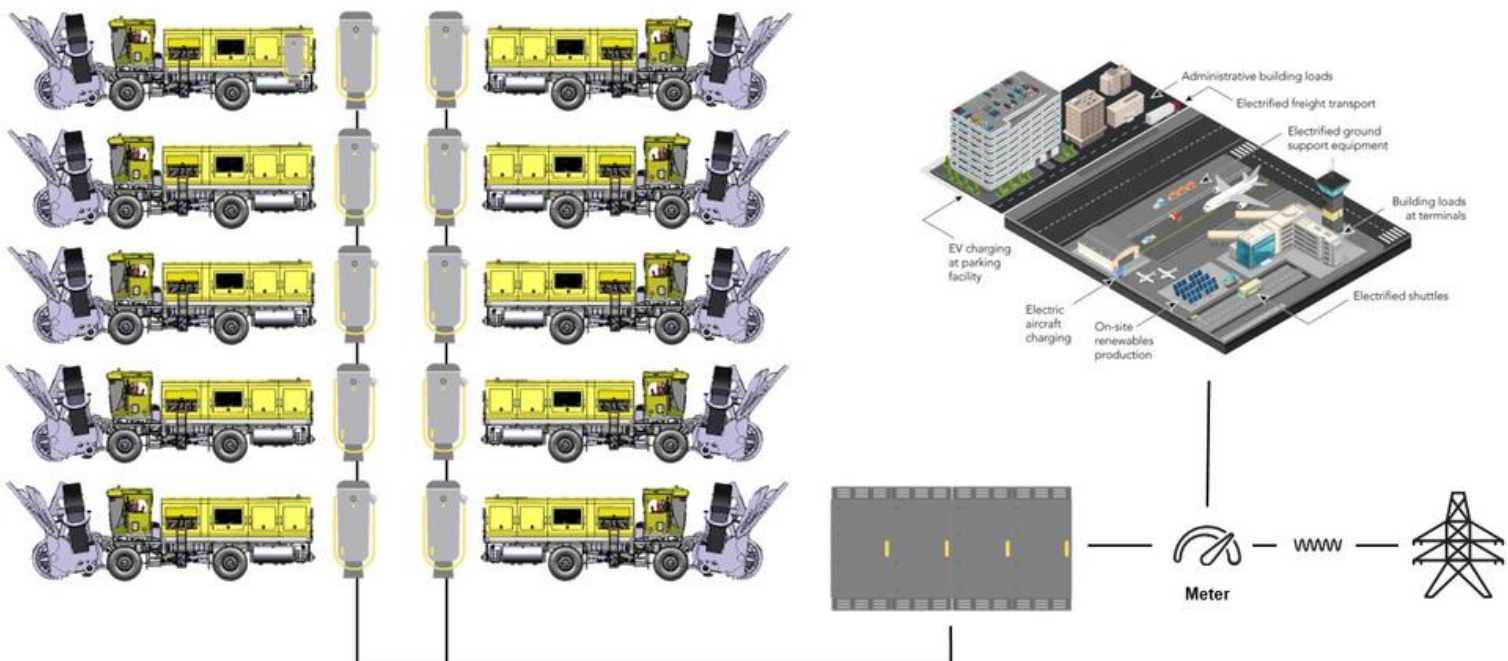
## Mobile Backup Power

- Operates as a portable generator —ideal for use year-round, not just in snow season.

## Flexible Energy Options

- Available with hydrogen or battery power for clean, zero-emission energy.

## AIRPORT MICROGRID SOLUTION



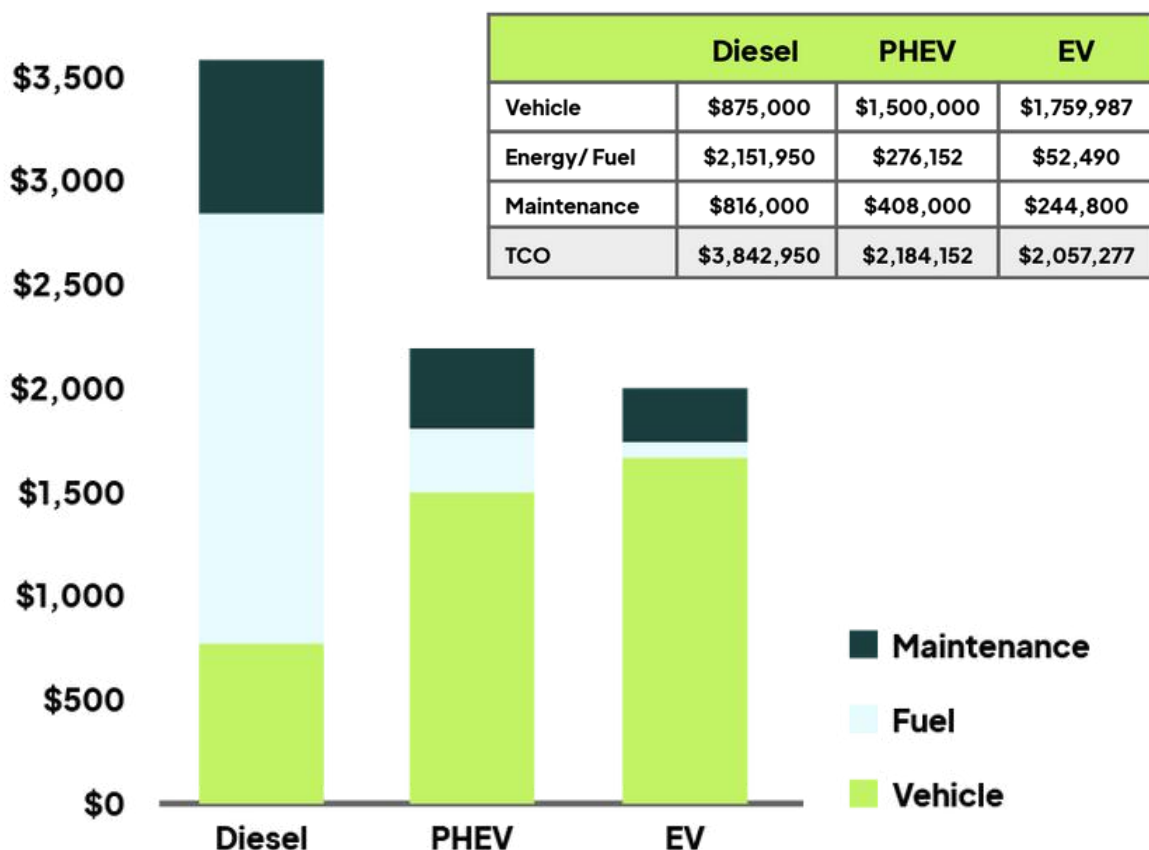
# TOTAL COST OF OWNERSHIP

## Lower Operating & Maintenance Costs

- Over 50% reduction in maintenance costs due to reduction in engines, fewer moving parts, and reduced hydraulic systems.
- Higher uptime, leading to lower repair costs and improved efficiency.
- Fuel savings: Electric and hybrid models consume less fuel, with the ability to offset energy costs through vehicle-to-grid (V2G) energy selling for peak shaving.

## Long-Term Financial Benefits

- Plug-in hybrid models offer up to \$1 million in cost savings over their operational lifetime.
- Full EV models benefit from lower electricity costs compared to diesel, further driving down expenses.
- Dual usage capability saves up to \$400K on additional portable power generation equipment.



\*Energy cost savings depend on electricity rates and potential revenue from selling excess energy back to the grid.\*

# COST BREAKDOWN

- **Baseline Cost for Diesel Dual-Engine Blower:**

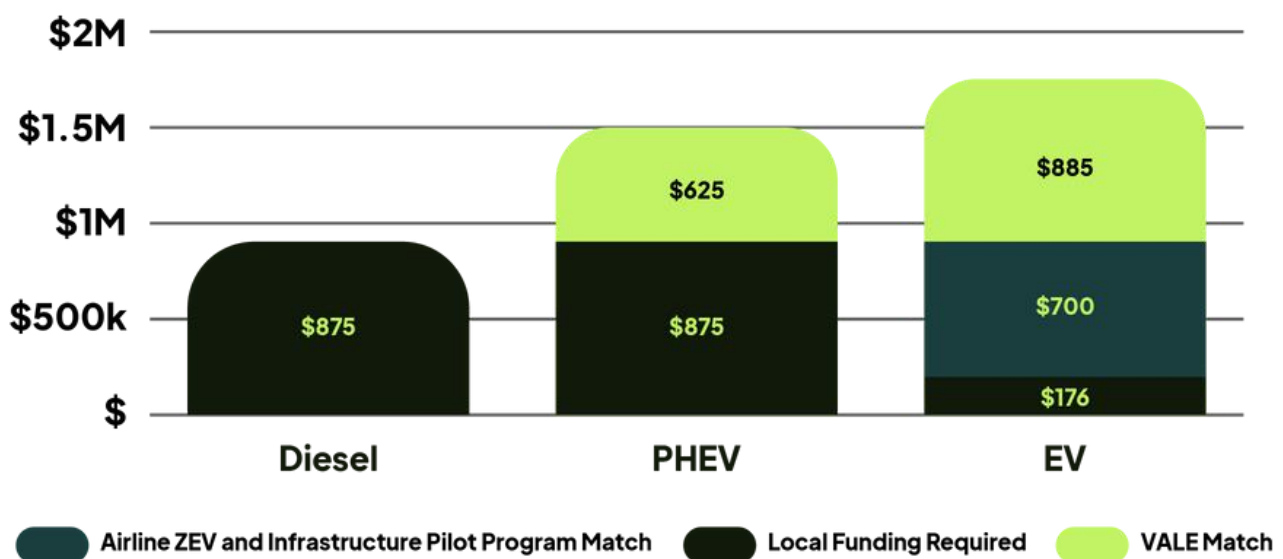
- Standard pricing without incentives.

- **Plug-in Hybrid Variant:**

- With VALE grant matching, cost parity is achieved, making the hybrid system comparable in price to diesel.

- **Zero-Emission Vehicle (ZEV) Variant**

- The VALE grant reduces the cost of the hybrid to match diesel, achieving cost parity.
- The Airport Zero Emissions Vehicle and Infrastructure Pilot Program provides \$1,585,000 which reduces the effective cost to just \$176,000.



\*Additional financing options, such as battery leasing, are available for both KT models to help cover initial costs.\*

\*The AIP grant can be applied toward the base equipment cost, reducing upfront expenses for both KT models.\*