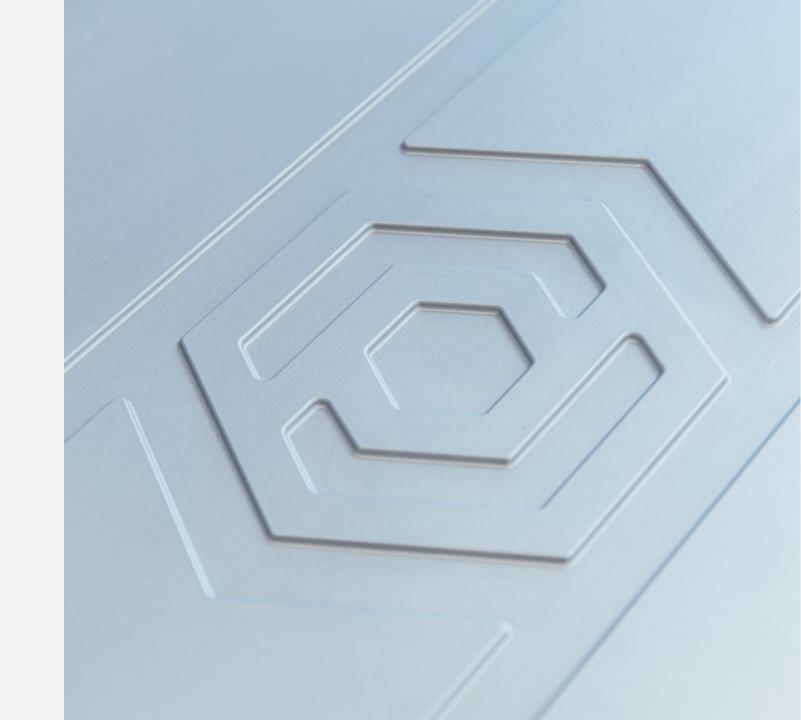


Electrification for the Future

Regina Lopez
VP of Supply Chain



About the Speaker

Regina Lopez VP of Supply Chain

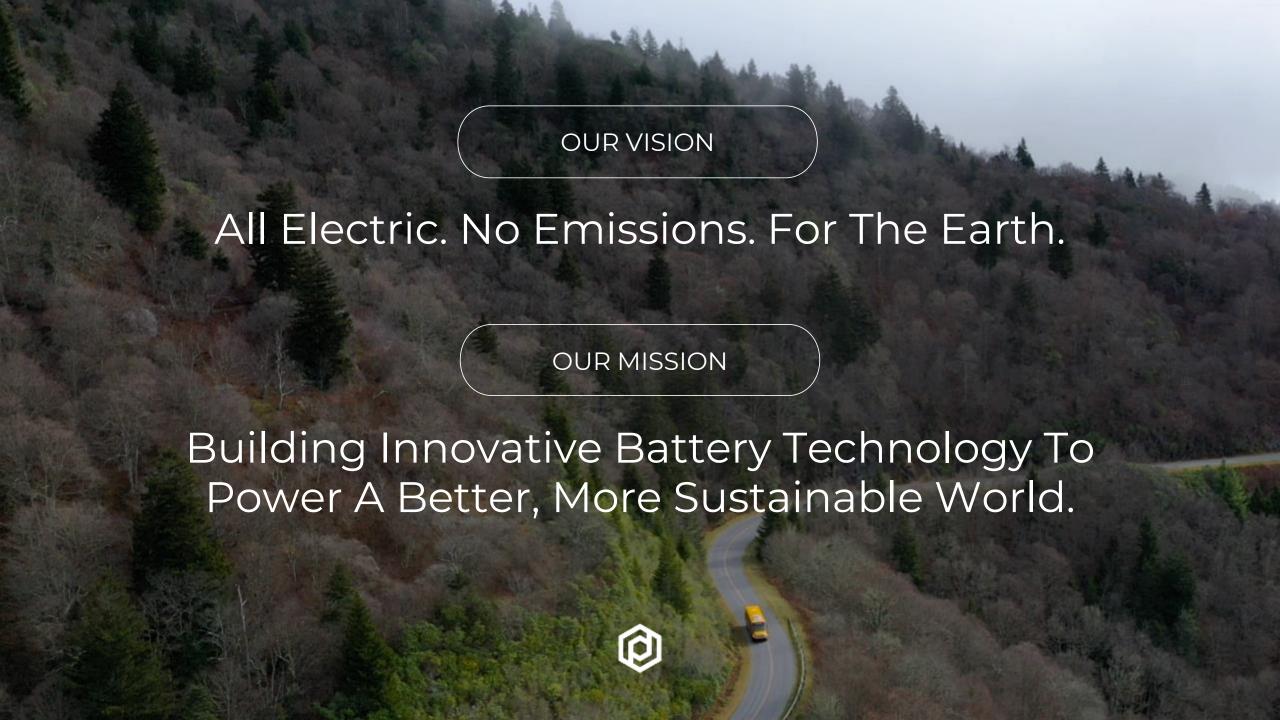
20+ Years Industrial Automation Vehicle Manufacturing

(Ports, Terminals, Transit Buses & Trucking)

Battery Electric Manufacturing







Strategic Pillars



Operate with Discipline



Develop our People



Serve our Customers



Drive Growth & Innovation







Purpose-Built for Commercial Vehicles

 Proven battery technology powering over 2,000 commercial vehicles on the road

Industrial-scale gravimetric and volumetric energy density

Enables long range for high weight ratings

 Designed with safety in mind: single-cell fault tolerance (PPR), active liquid cooling, patented thermal event mitigation

- Functional Safety Certified: ISO 26262 and ECE-R100
- Rugged, ballistic-grade enclosure



PURPOSE-BUILT

FOR MEDIUM- AND HEAVY-DUTY COMMERCIAL VEHICLES AND EQUIPMENT





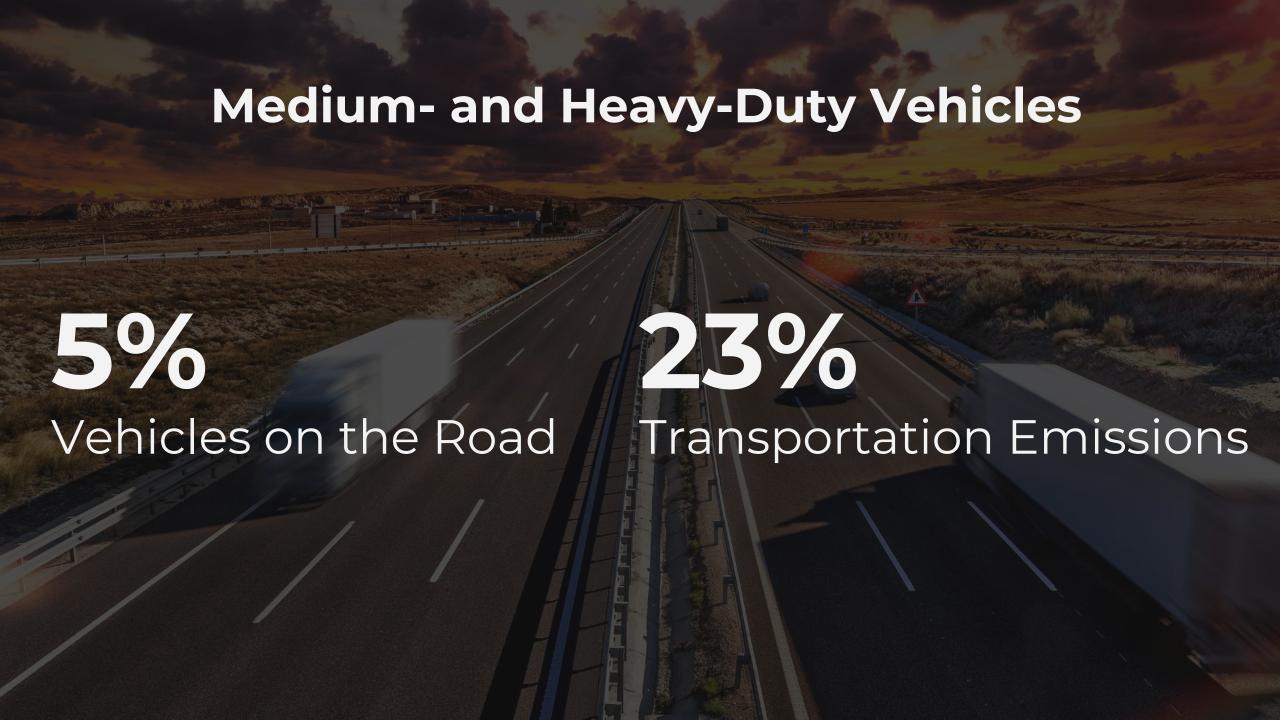












Key Emission Statistics

- Greenhouse Gas Emissions:
 - Medium and heavy-duty vehicles emitted approximately 400 million metric tons of CO2 in the United States in 2020.
- Fuel Consumption:
 - These vehicles are major consumers of fossil fuels, with the sector consuming over 47 billion gallons of diesel annually in the U.S. alone.
- Noise Pollution Reduction:
 - EVs operate much quieter than traditional diesel engines, reducing noise pollution and contributing to a more peaceful environments.



Environmental Benefits

- Reduction in Emissions:
 - EVs produce zero tailpipe emissions, significantly lowering NOx, PM, and CO2 pollutants that are known to be harmful to human health.
- Improved Air Quality:
 - Reduced emissions contribute to better air quality, particularly in urban areas where vehicles are higher concentrated.
- Resource Efficiency:
 - Electrification decreases dependence on finite fossil fuels and improves energy sustainability.





Making an Impact

"When you look at the youth average asthma rate we [Cherokee nation] are about 40% higher here on the Qualla Boundary. One way we are looking to improve air quality is with electrifying our school bus fleet."

- Katie Tiger, Air Quality Supervisor

"It all leads to one thing, and that is to protect this place"

Yona Wade, Director of Community
 Affairs, Cherokee Schools





Circularity is Key to a Sustained Zero Emission Economy

Second Life Applications

- 100% Recyclability
- Preservation of Rare Earth Minerals for Remanufacturing





Thank you!

