

AIRPower - Electric powertrain system for Class-8 trucks



The AIRPower sustainable all-electric powertrain system for class-8 trucks would be designed to replace the trucks' diesel engine and transmission with electrically driven motors, generators, batteries, telemetry and software. Our proprietary technology would work well in retrofits as well as in new trucks. Our goal is to make a significant impact in the environment by building an integrated system that by 2025 would help reduce by 50% the levels of current CO₂ emissions produced by medium and heavy-duty trucks.

<https://vimeo.com/manage/videos/322388374>

Core Team:

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Stakeholders and extended team:

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Advisors:

- Rebecca Barthelmie PhD - Cornell University Professor Mechanical and Aerospace Engineering
- Bora Akyol PhD - CTO and Head of Engineering/Product Development Trimark Associates, Inc.
- Michael Quiello - Airline V.P. Corporate Safety and former U.S. Air Force pilot
- Bruce Monger PhD - Cornell University Professor Earth and Atmospheric Sciences
- Bob Sliwa - Owner AirFlow Truck Company and designer/builder of Shell Starship Class-8 Super-truck

Other stakeholders:

- Yale University
- Cornell University
- Airbus

New Haven, CT