

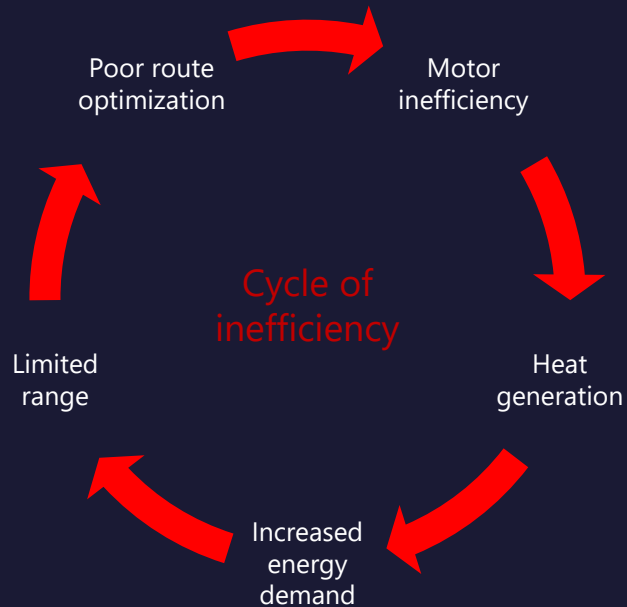


*Revolutionizing Electric Vehicle Efficiency
with Intelligent Multi-Motor Technology*

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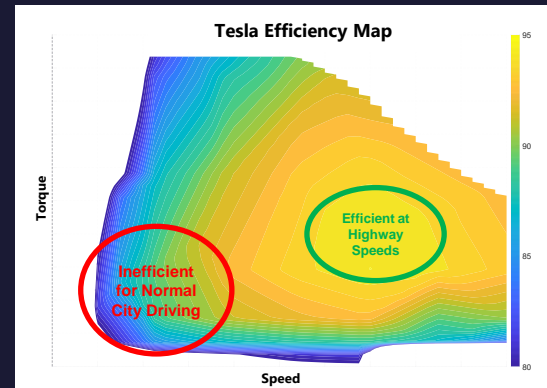
Problem | Today's Inefficient Electric Vehicles

Today, the world is building electric vehicles **wrong** - using motor systems not aligned with real-world use.



"...for an electric motor, it's easy to get peak power for a short period of time – it's hard to have sustained peak power, because you overheat, and it's hard to get high efficiency over a complicated drive cycle. Those tend to be the problems we wrestle with."

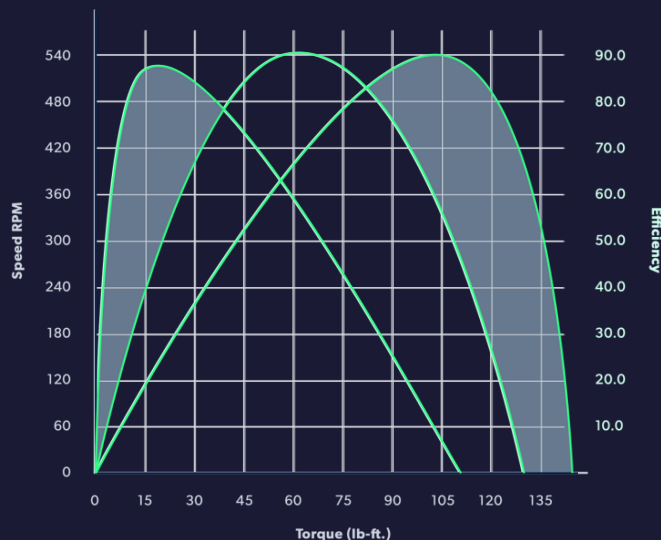
Elon Musk, CEO, Tesla



New Perspective | The Multi-Motor Advantage

By pairing multi-motor systems with intelligent route-level optimization you seamlessly align the hardware performance profile with your vehicle demands

Efficiency



Enhanced efficiency and decreased heat generation

Accelitrone addresses the problem from a different perspective...

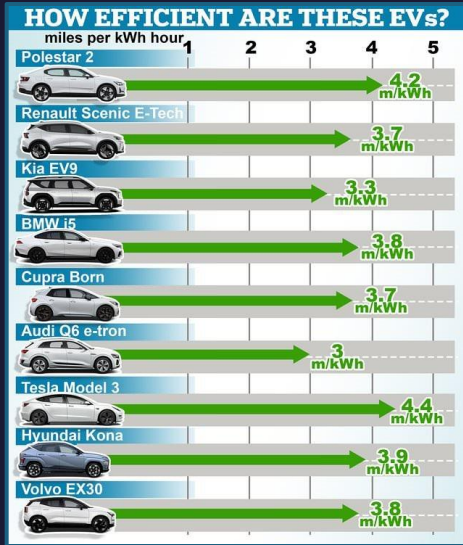
A patented approach:

Reduce energy loss and heat generation by using multiple motors with each efficient at a different combination of torque and RPM, as well as multi-variate optimization to determine motor selection (including braking) to globally optimize over the entire trip.



The Solution | Accelitron Multi-Motor Technology

Accelitron makes electric vehicles **more efficient**



Use the right motor for the right job

PLUS

Optimise motor selection with multiple variables
calculated across the whole trip

EQUALS

Maximum efficiency and range with
minimum heat and wear at a hardware level

ACCELITRON
ADVANCED MOTOR CONTROLS  **>5.5 m/kWh***

*24% range improvement validated in dedicated city-cycle trials

Value Prop | Efficiency, Efficiency, Efficiency

Delivery Van Fleet Case Study

Reduced Electricity Usage

On a standard parcel delivery route, Accelitron can save ~5kWh per shift

This results in a direct operational cost saving - >\$50m/year for a large fleet

Charge Less

Accelitron can reduce your charge times by >10%

Realise benefits in uptime of vehicles in a fleet, fewer chargers, driver cost savings

Smaller Battery

Reduce battery size by >5kWh

Direct Material cost saving of >\$500 on every battery

Increased Range

More delivery routes now viable for EVs

Fuel cost saving from internal combustion engine to EV

All data is based on simulated 3.5T delivery van, baseline configuration for comparison purposes is a single AC synchronous motor (interior permanent magnet) with peak efficiency of 97%

Value Prop | Wins in Adjacent Segments

Changing the Future of Transport at a Global Level

Electric motor and drive system suppliers have not enabled multi-motor solutions in **any** segment



Consumers

Increase range, reduce maintenance, and improve overall efficiency and performance

Commercial Fleets

Optimize logistics routes, reduce energy consumption and save driver costs

Aerospace & Defense

Achieve mission-critical performance with extended range and system reliability

Commercial Marine

Unlock next-generation efficient electric propulsion for boats and autonomous vessels

Market | Large High-Growth Market

Accelitrone has the potential to dominate the electric motor market with the most intelligent and efficient offering across a vast range of applications

\$258Bn

Global Electric Motor Market

<https://www.grandviewresearch.com/industry-analysis/electric-motor-market>

↑32.5%

EV Market Compound Annual Growth

<https://www.grandviewresearch.com/industry-analysis/electric-vehicles-ev-market>

Global Impact | Accelerating Electrification Worldwide

Each year, with a 20% reduction in energy consumption, Accelitron has the potential to impact:

- **540 TWh** of energy saved (**almost 2% of the world's electricity usage**)
- **260,000 tons of CO₂ emissions** avoided

Each year, with even a conservative 5% efficiency in driver-time, Accelitron can impact:

- **~104 driver-hours** of time saved per year per vehicle for fleets
- **\$1.15 billion** saved in labor costs for UPS alone (with a fleet of 135,000 vehicles)
- There are **32 million commercial vehicles in the US alone**

Over the next **20 years**, this translates to enormous impact:

- **10,800 TWh of energy saved**
- **5.2 million tons of CO₂ emissions avoided**
- **\$22.95 billion saved in labor costs** for UPS alone and immeasurably higher across all commercial vehicles
- additional impact potential from air & sea applications

Global EV Energy Use: 2,700 TWh/year in 2035 (IEA Global EV Outlook 2024)
Global Energy CO₂ Intensity: 0.481kg CO₂ per kWh (Ember (2024); Energy Institute - Statistical Review of World Energy (2024))
Average driver total compensation (UPS): \$170k & UPS total delivery vehicles: 135,000 (UPS)
US commercial vehicles: 32 million (NTEA U.S. Commercial Vehicle Market Report)

Project Timeline



