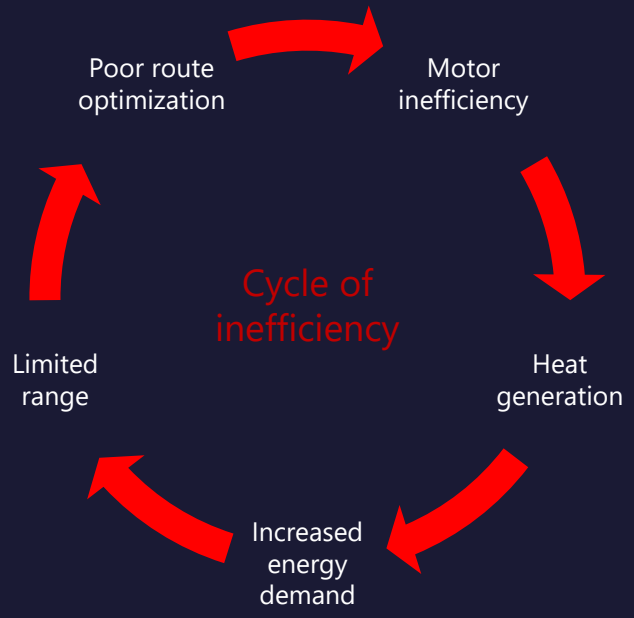

***Revolutionizing Electric Vehicle Efficiency with Intelligent Multi-Motor Technology***

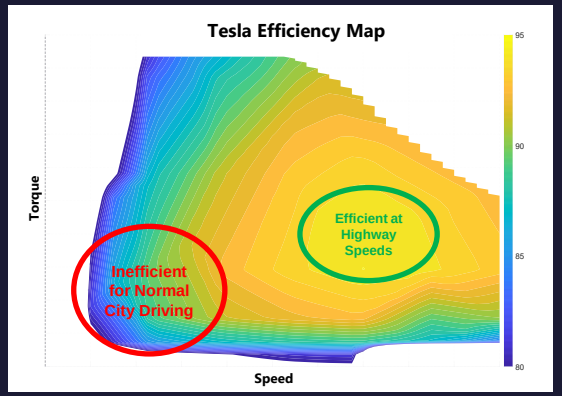
# Problem | Today's Inefficient Electric Vehicles

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***

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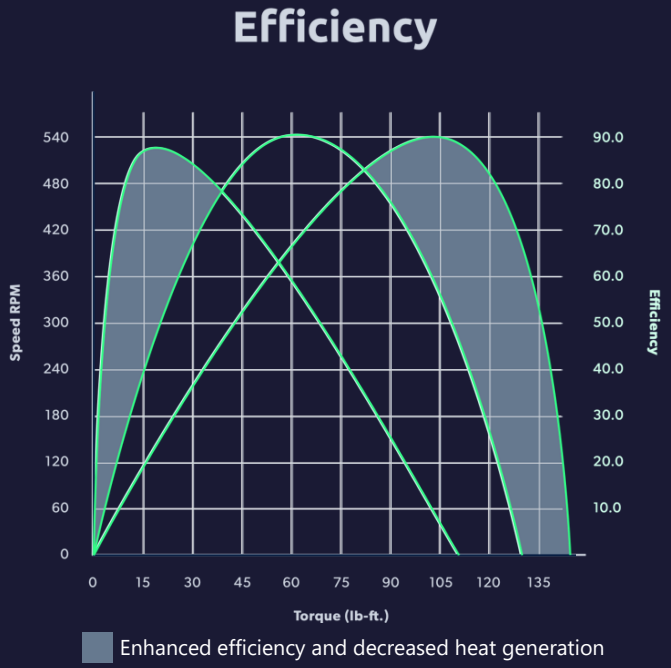
# New Perspective | The Multi-Motor Advantage

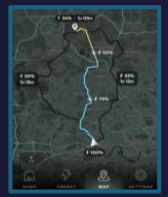
By pairing **multi-motor systems** with **intelligent route-level optimization**
you seamlessly align the hardware performance profile with your vehicle demands




Accelitron 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.



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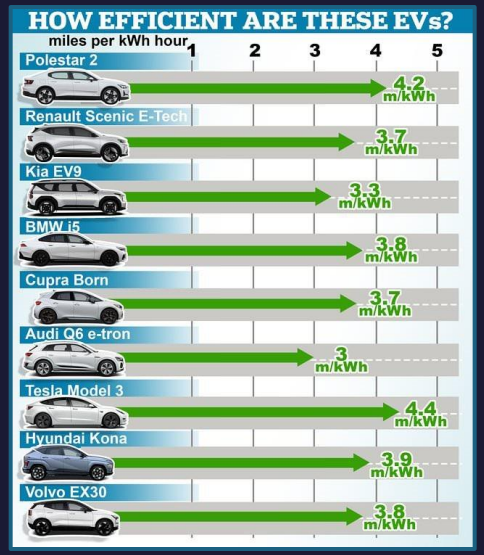
# The Solution | Accelitron Multi-Motor Technology

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**

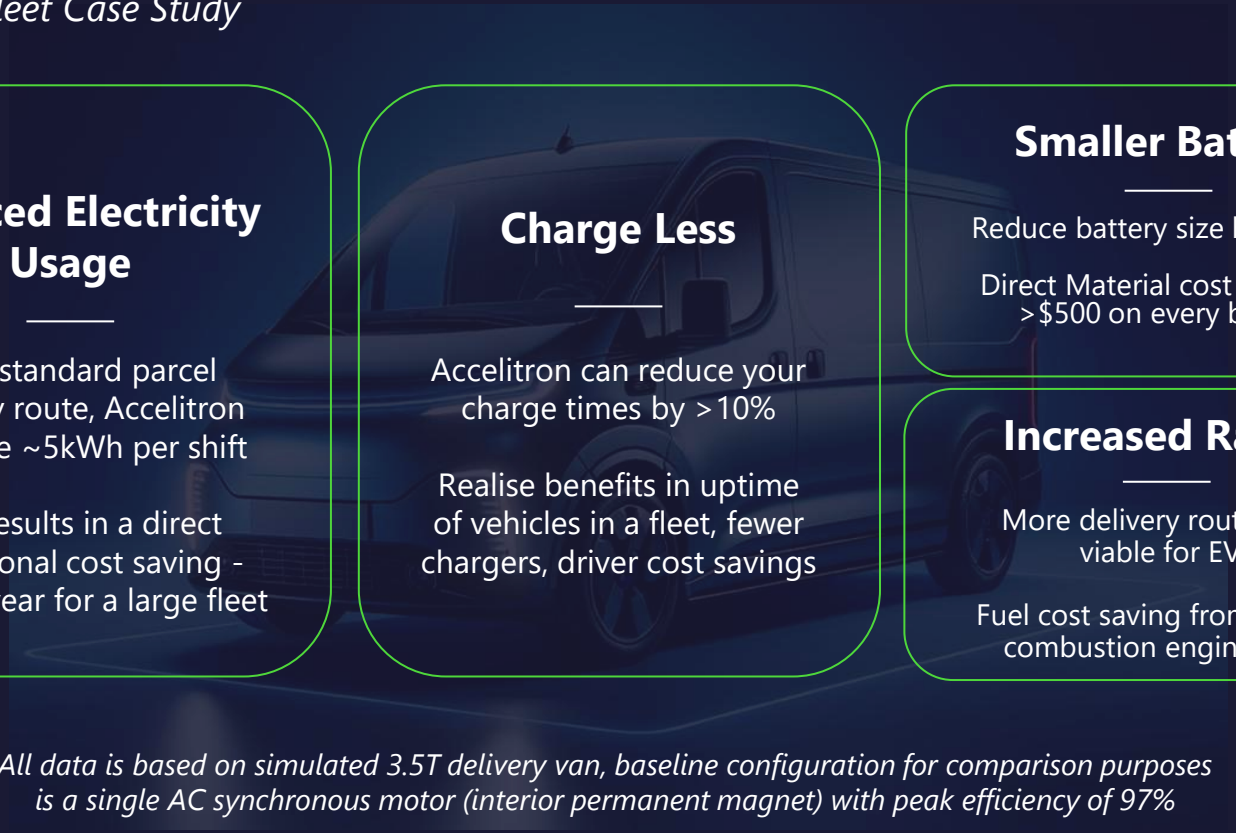
Maximum efficiency and range with minimum heat and wear at a hardware level

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%*

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# 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

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# Market | Large High-Growth Market

Accelitron 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

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# 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 $CO_2$ 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 $CO_2$ 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 $CO_2$ Intensity: 0.481kg $CO_2$ 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)

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# Project Timeline

Prototype development & Testing

Pre-Commercial Deployment & OEM Integration

Full scale production

2025 2026 2027 2028 2029 2030 2031 2032

Secure early testing partners

Prototype validation

Software & Control system build

Production ramp up & industrialization

Production prototypes

Mass production

Prototype deployment in limited test environments

Pilot fleet trials, regulatory approvals

OEM Partnerships secured, commercial trials expand


Van fleet program #1


Van fleet program #3


Van fleet program #2


Passenger Car program #2


Passenger Car program #3


Passenger Car program #2

Global scale-up & additional market expansion


Aerospace, Defense, Marine

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