

ELECTRIFY YOUR DIESEL FLEET






DIESEL-TO-ELECTRIC BUS RETROFITTING









RETROFIT TO GO GREEN FASTER

Diesel bus owners have a greener option now! You can opt for a mid-life retrofit and change to electric power.

BENEFITS OF MID-LIFE RETROFIT

-  Elimination of tail pipe emissions translates into cleaner air for the environment
-  Reduced maintenance cost and time
-  Quiet operation translates into an improved rider experience
-  Improved cost efficiency for fleet owners
-  Retrofitting rejuvenates powertrain performance of existing fleet

KEY FEATURES

-  Safe and stable
-  Electric powertrain
-  Real-time bus health updates
-  Customised modifications
-  High power opportunity charging (overnight charging option also available)
-  Space optimisation via engineered solutions

OPPORTUNITY CHARGING FOR A LIGHTER AND MORE ENERGY EFFICIENT BUS

- Energy replenishment at every bus stop and terminal
- Halves number of batteries required
- Travels 110 – 120 km per full charge
- Charging apparatus options: Roof-mounted charging rails for inverted pantograph, and CCS2 socket for plug-in

HIGH-TORQUE DUAL INVERTER ELECTRIC TRACTION MOTOR

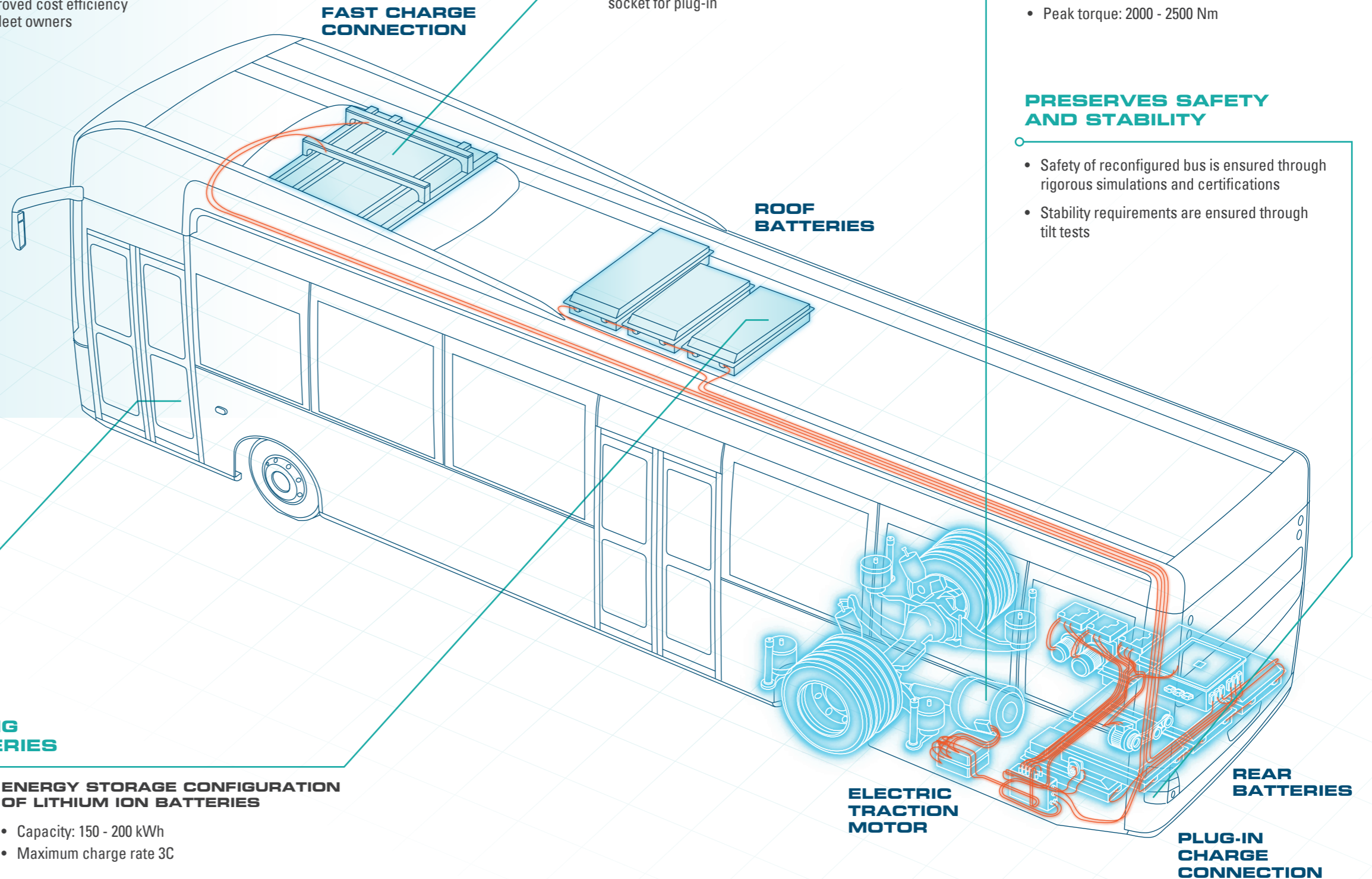
- Maximum torque move-off from bus stop
- Easy navigation on hilly terrain

POWERTRAIN CONFIGURATION

- Permanent magnet motor
- Peak power: 200 - 250 kW
- Peak torque: 2000 - 2500 Nm

PRESERVES SAFETY AND STABILITY

- Safety of reconfigured bus is ensured through rigorous simulations and certifications
- Stability requirements are ensured through tilt tests



REAL-TIME ON-BOARD TELEMETRY SYSTEM

- On-board telemetry system for operators to remotely monitor bus health in real-time

CUSTOMISED RAPID CHARGING LITHIUM ION TRACTION BATTERIES

- Charges up to 3 times as fast as generic batteries
- Every minute of charging using a high-power inverted pantograph typically extends the range by 5 km

ENERGY STORAGE CONFIGURATION OF LITHIUM ION BATTERIES

- Capacity: 150 - 200 kWh
- Maximum charge rate 3C