

Battery electric vehicle systems



OUR PURPOSE

Driving energy transformation

Hexagon Purus designs, builds, and supports zero-emission vehicles that meet the distance, durability and reliability demand that fleet owners require.

FOR A BETTER FUTURE

Battery electric and Fuel cell electric vehicle systems

Battery electric and fuel cell electric vehicles are an excellent option for transit buses, in-city medium-duty delivery vehicles, short- and long-haul drayage trucking looking to reduce their emissions without compromise to business.

Hexagon Purus offers battery packs, hydrogen fuel systems, and integrated electric drivetrain for zero emission battery electric and fuel cell electric

medium- and heavy-duty vehicles. Our strength is to build systems that handle the demanding operating environment of commercial vehicles, designing for safety, incorporating impact and fire protection, and designing for durability over a long commercial vehicle service life, making our energy storage systems robust to vibration and corrosive environmental conditions.



Battery electric vehicles (BEV)

Battery electric vehicles, or BEVs, use electricity stored in a battery pack to power an electric motor and turn the wheels. When depleted, the batteries are recharged using grid electricity, either from a wall socket or a dedicated charging unit.



Fuel cell electric vehicles (FCEV)

Fuel cell electric vehicles, FCEVs, are eco-friendly vehicles powered by the electricity generated from the electrochemical reaction between hydrogen and oxygen, with the only byproduct being pure, distilled water.

HEXAGON PURUS EM2 CLASS 6 TRUCKS

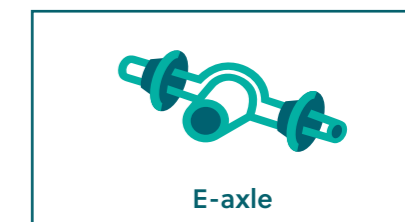
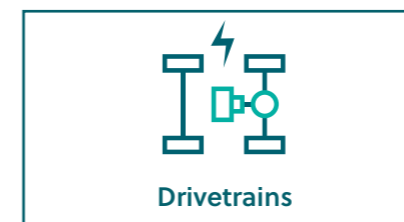
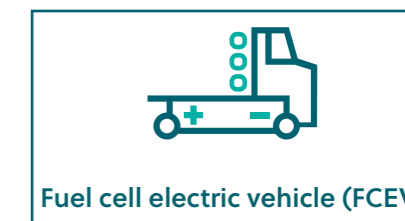
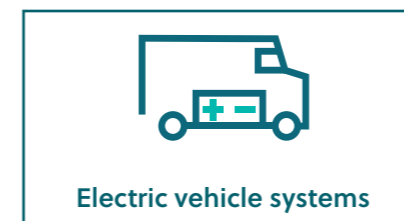
Complete vehicle integration

Hexagon Purus delivers complete zero emission commercial vehicles with turn-key solutions, converting medium- and heavy-duty trucks to emission-free electrical vehicle trucks.

- **Savings through simplicity** – No DPF, no SCR, low maintenance
- **Clean and quiet** – Zero emissions, and low noise: Perfect for urban and port applications
- **Long range** – Up to 250+ mile range
- **Safety first** – Intelligent BMS to ensure safe operation and maximize battery life
- **Power up** – DC fast charge capable. Drivetrain outperforms existing diesel trucks

Battery solutions

Our complete drivetrain and battery systems for medium- and heavy-duty vehicles supports OEMs electrification programs with an innovative design and integration as well as other power systems needed to support the vehicle in its totality.



MODULAR, LIGHT AND EFFICIENT

Hexagon Purus ProPack™ battery systems

We provide highly efficient, mass-produced battery modules in a standard form factor with integrated battery management. Those modules are integrated into liquid-cooled, sealed packs in a wide range of sizes, shapes, and mounting locations to suit the specific needs of each vehicle platform. Our knowledge base united with an agnostic approach to technology allows us to provide impartial advice, helping to deliver best-in-class EV systems at the lowest possible cost.

Benefits and features

- Minimize wasted energy by turning the vehicle off when stopped (idle-off) and by charging the battery when braking (regenerative braking)
- Improves total cost of ownership
- Reduce greenhouse gas (GHG) emissions and save more on operating energy costs
- Electric motors are inherently more energy-efficient than gasoline or diesel engines
- Improves public health and reduces ecological damage

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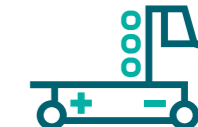
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Electric vehicle systems



Battery electric vehicle (BEV)



Fuel cell electric vehicle (FCEV)



Drivetrains



Accessory drive



E-axle

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Hexagon Purus locations

Norway / Germany / Canada / USA / Singapore / China

1. Hexagon Purus ASA
Korsegata 4B
6002 Ålesund, Norway
2. Hexagon Purus GmbH
Otto-Hahn-Straße 5
Kassel, Germany
3. Hexagon Purus Systems Canada Ltd.
460 Doyle Avenue, #101
Kelowna (BC), Canada
4. Hexagon Purus Systems USA LLC
3335 Susan Street, Suite 100
Costa Mesa (CA), USA
5. Hexagon Purus Masterworks
86 York Street, Suite 4
Taneytown (MD), USA
6. Hexagon Raufoss
Raufoss Industrial Park, b.306
Raufoss, Norway
7. Hexagon Purus Singapore
350 Orchard Road #11-08, Shaw House
Singapore
8. Hexagon China
DRC Liangmaqiao Diplomatic Office Building
Tower D1, Unit 1201C, 19 Dongfang East Road,
Chaoyang District, 100600 Beijing, P.R. China