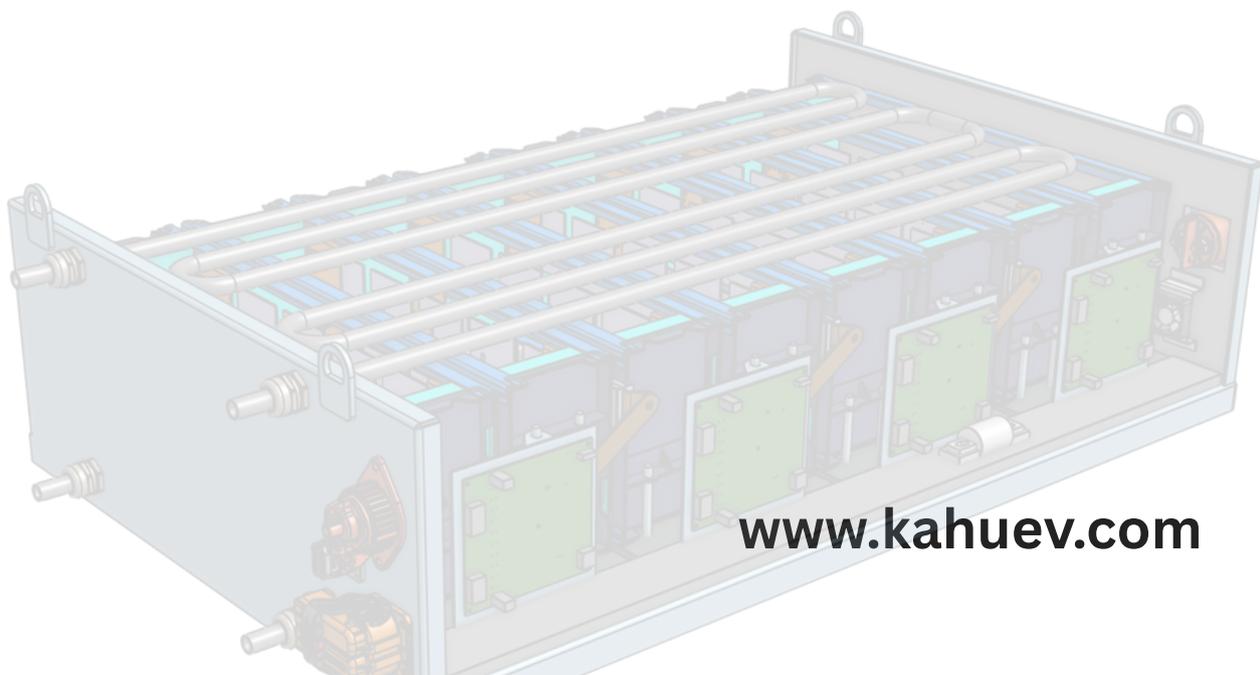


# KAHU | EV

## TRACTION DRIVE SYSTEMS

Heavy Commercial BEV Platform



[www.kahuev.com](http://www.kahuev.com)

# BEV Electric Drive Systems

Our BEV technology and management systems have been deployed and improved on over many different innovative products around the world for the past 15+ years. As part of this, Kahu EV offers a full spectrum of heavy transport propulsion systems - from state of the art integrated e-Axles to motor & transmission kits for straightforward conversions ranging from 50kW to 500kW and single to 6 speed.

Our strength is in designing the optimal solution for your specific application. We guide you through the selection of best-of-breed technologies, including the latest battery technology from leading global suppliers, thermal management, HVAC and driver stations, all matched for performance, safety, and longevity.

Every solution is unified by the Kahu EV ecosystem. Our proprietary EVNet™ peer-to-peer control network and cloud telematics seamlessly integrate your entire vehicle - from the powertrain and batteries to the payload - into a single, intelligent, software-defined platform. This ensures unparalleled performance, simplifies maintenance, and future-proofs your investment.

## Driveline

### Integrated Axles

Our integrated eAxle options represent the state of the art in electric propulsion. By combining the motor and a multi-speed gearbox directly within the axle housing, this compact and efficient design is perfectly suited for new vehicle platforms. Multiple options are available to suit truck, low entry bus and trailer configurations.

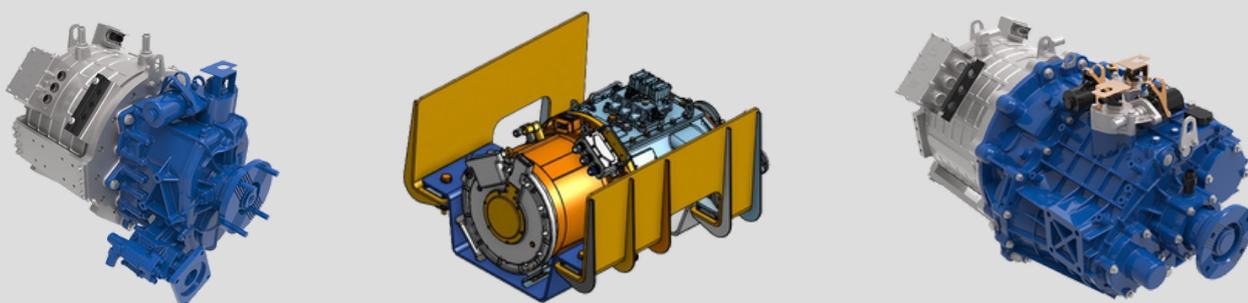
It eliminates the need for bulky drivelines and external transmissions, freeing up chassis space for batteries, and simplifying installation. This results in a cleaner design, higher overall efficiency thanks to the parallel drive and pure electronic differentials, and a quieter, more reliable system built for the future of heavy-duty electric mobility.



### Centre Drive

For vehicle conversions or rugged off-road applications, our centralised drive options offer a robust and proven solution. This approach utilizes a traditional-style electric motor and automated multi speed transmission connected to the existing differential via a driveshaft.

It is the ideal choice for retrofitting current vehicle designs, minimizing recertification and preserving familiar, serviceable driveline components. Its elevated motor placement provides superior ground clearance and protection from harsh terrain, making it exceptionally durable for mining, construction, and other demanding off-highway environments where simplicity and resilience are paramount.



# Batteries

## CATL Commercial Range

For a robust and cost-effective solution, we integrate premium Lithium Iron Phosphate (LFP) battery packs from CATL, a global leader in cell technology. This off-the-shelf option provides exceptional value, proven reliability, and a long cycle life in a standardized package.

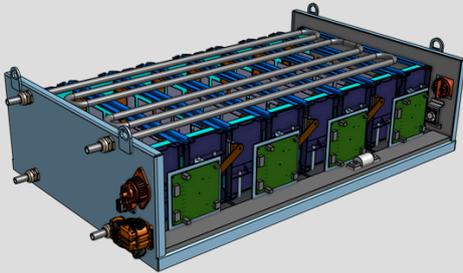
Renowned for their inherent safety and stability, these LFP packs are an excellent economic choice for a wide range of applications where a standard form factor meets the energy requirements. They offer a low-risk, high-quality pathway to electrification with the backing of world-leading battery innovation.



## Kahu EV Solution

For applications where space, weight, or unique geometry is critical, we offer custom-engineered battery packs. We tailor these solutions using either high-safety LFP or high-energy-density NMC chemistry, the latter offering up to 30% greater range in the same space. This bespoke approach allows us to optimize the pack for complex vehicle layouts, maximizing capacity and performance.

By building the pack ourselves, we can fully integrate power distribution, control systems, and safety components within the enclosure. This creates a far tidier installation, simplifies vehicle wiring, and significantly improves serviceability and maintenance access.

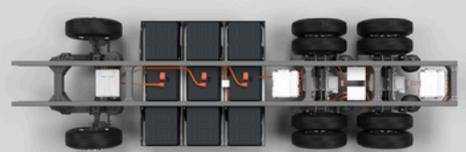
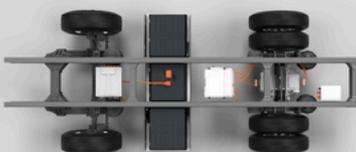


## Safety & Vehicle Control

A functional and safe electric vehicle requires more than just a powertrain and a battery. Kahu EV supplies all essential ancillary components, including oil pumps for power steering, air compressors for braking, DC-DC converters, onboard chargers, and advanced thermal management systems for the cabin (HVAC), driveline and battery temperature control.

The key advantage of our solution is seamless integration.

Unlike piecemeal approaches, every component is pre-integrated into our proprietary EVNet™ control system. This ensures all systems communicate natively on a single network, eliminating compatibility issues, simplifying wiring, and providing a reliable, software-defined platform that is ready to perform.



# Intelligence Beyond Hardware



Electrifying your fleet isn't just about swapping parts; it's about modernising your entire operation for the Internet of Things era and Kahu EV delivers this future today.

Our systems are built on a foundation of functional safety, ensuring not just performance, but reliability and risk mitigation for your operators and business.

We transform outdated machinery into software-defined vehicles, connected through our proprietary EVNet™ control network and cloud platform. This provides unparalleled visibility into your operations, from live energy consumption and battery health to remote diagnostics. It's about moving from reactive maintenance to predictive, data-driven management.

We provide more than a product - we provide a partnership for the long term.

- Proven Application: Existing solutions for various truck drive and bodies including concrete agitators, compactors, agriculture machines, sprayers and many more.
- Enterprise Integration: Seamless data flow to your existing business systems for true cost and carbon accountability.
- Future-Proof Architecture: A platform designed for evolving needs, from teleoperation and autonomous systems to smart energy management and V2G readiness.

With Kahu EV, you're not just adopting new technology you're unlocking a smarter, safer, and more sustainable way to work.

Scan the QR Code to contact us or visit our website to find out more.

[www.kahuev.com](http://www.kahuev.com)

