



Performance in motion

EV battery lifecycle management





Our ambition is to be the driving force behind efficient, resilient and sustainable supply chains.



Electrification experts

Unipart is a supply chain performance improvement partner, delivering efficiency, resilience, & sustainability across multiple sectors.

With more than 50 years of expertise, we design, make, move and improve components in our customers' supply chains, keeping their operations and assets moving and working better, for longer.

We're powering sustainable automotive electrification through integrated manufacturing, logistics and lifecycle management of EV batteries.



Sustainable EV battery solutions

As the world rushes to create more sustainable ways of living and working, demand for lithium batteries is rising. The UK has seen rapid growth in Battery Electric Vehicle (BEV) adoption, with over 1 million BEVs registered since 2002. This growth is accelerating, with BEVs accounting for a significant 19.6% of new car registrations in 2024 (SMMT, 2025), reflecting increased sales and a rising number of EVs on the road.

At Unipart, we are leading the charge in full end-to-end EV battery services, from manufacture, storage, delivery, re-manufacture, repurpose and managing the battery end of life, we are your single partner throughout the process. We focus on cost-effective, scalable, and sustainable solutions to help OEMs, fleet operators, and energy companies navigate the transition to electric vehicles.



Why Unipart is the perfect partner to support you in navigating the electrification revolution:



Proven supply chain expertise

With over five decades of experience, Unipart delivers dependable transportation and logistics solutions. We combine operational excellence, quality, and innovation to optimise your operations and drive tangible value.



Battery manufacturing

Unipart's battery division partners with customers to industrialise battery technology, from development to series production. We're a Tier 1 supplier of bespoke, build-to-print, and off-the-shelf battery systems.



Delivering manufacturing excellence

We deliver innovative, high-performance manufacturing solutions that drive success. We are constantly improving, refining processes, and embracing new technologies to meet the evolving demands of industries worldwide.



Safety and sustainability

Unipart became the first organisation ever to be recognised with a world-class safety, wellbeing and sustainability 'treble' by the British Safety Council.





Battery manufacturing



The UK's largest independent vehicle battery manufacturer.

Hyperbat is Unipart's dedicated battery manufacturing joint venture, with a single goal to become the UK's leader in high-voltage battery systems.

Hyperbat is trusted by world leading OEMs to bring high performance and innovative battery systems to the market. We thrive on collaboration with our customers to deliver battery system industrialisation and have a proven track record of overcoming complex industrial challenges. Our experience to date has developed critical expertise and capabilities that can be applied across sectors.

We manufacture build-to-print manufacturing for the all-electric Evija hypercar with performance spec:

- **90kWh Lithium-ion battery packs**
- **2000 PS**
- **0-62mph in under three seconds**
- **Top speed of over 200mph**

In 2024, The Lotus Evija X, a track-only variant of the Evija electric hypercar, set the third-fastest lap time ever at the Nürburgring Nordschleife, covering the 12.9-mile track in just 6 minutes and 24.047 seconds.

Supporting your electrification journey at every stage



Battery system design

Using in-house capabilities and our trusted engineering partners, we offer bespoke battery design, development and validation, for application in multiple sectors.



Manufacturing scale-up

Product and process engineering expertise to support DFMEA activity, deliver the PFMEA and control plans. Production line design & cost modelling, installation and commissioning to ramp up volumes.



Low-mid volume production

An experienced supplier for series, aftermarket and product lines. Offering build-to-print manufacturing, operating at the highest automotive quality standard with exceptional welding capabilities.

Battery system innovation, scale up, volume production, repair and remanufacturing

In-plant logistics

Unipart uses the latest automation and technologies to provide in-plant logistics for the assembly of high-end battery packs.

We provide storage and sequencing of the batteries so that they are provided to the production line just-in-time. We can provide on or off-site solutions to support your production requirements.

For a leading British automotive manufacturer we implemented and operate in-plant logistics at their Battery Assembly Centre which is the largest of its kind in the UK. We installed an automated storage and retrieval system (ASRS) which is used not only for storage of finished batteries, but also for the storage of “raw” parts used in manufacturing the batteries. Alongside the ASRS system, we also have an automated storage destacker that de-stacks cubes of small part boxes and automatically sends them to the correct outfeeds for delivery to point of fit.





Road freight



Air freight





Sea freight

Your transportation

Our expert transport & compliance teams support safe, reliable and just-in-time global logistics of lithium-ion battery packs. All according to the IATA air freight, ADR road & IMDG sea regulations

We operate a network of carriers who are fully ADR certified for all road freight requirements.

Our Civil Aviation approval certifications enables air freight batteries normally prohibited via IATA Special Provision A99, delivering batteries under 35kg cross the globe.

Our warehouse personnel are fully qualified to IMDG standard to safely dispatch LiON batteries.

Your storage

Advanced Battery Care is Unipart's three-tiered battery solution that addresses all types of lithium-ion battery storage for various customer needs. We can tailor the solution to suit your requirements, as we understand that there is no 'standard' EV battery.

We offer flexible solutions that scale with you, providing a long-term strategy for your entire fleet. Our tiered model ensures you get a comprehensive service, from safe warehousing to proactive health management, designed to secure the long-term value of your assets.

Our expertise allows us to meet specific operational demands, like ensuring compliance for global air freight and performing detailed health assessments on high-value batteries. We work with you as a strategic partner to provide the right level of care, giving you peace of mind that your batteries are stored safely and efficiently, maintaining their value and performance for years to come.



Our storage solutions deliver...



Smart storage

Short-term, safe battery storage and multiple modes of transport to global locations.



Intelligent charging

Long-term battery storage includes state-of-charge (SoC) top up to reduce battery degradation over time. Guaranteed compliance for air freight regulations, ensuring SoC of 30% or less in transit.



Bespoke conditioning

Long-term storage includes additional state-of-health checks and interventions when required by battery type, such as capacity assessments, conditioning and maintenance.

Protecting and preserving the long-term value of your EV assets



7
units

12/5 hr
manned facility

610,000
sq.ft. facility

112
acre site

24hr
manned CCTV
& security

54
romney huts

Purpose-built site for EV batteries

Unipart's EV capability is anchored in a specialist, purpose-built site designed for the complexities of EV battery logistics.

More than a warehouse, it is a dedicated centre for safety and advanced technical care. The facility's state-of-the-art infrastructure includes precise climate control and enhanced fire suppression, essential for preserving battery health and managing unique risks.

For customers, this provides unparalleled peace of mind. Their valuable assets are managed in an environment that meets the most stringent international standards, reducing the risk of non-compliance and logistical delays, and securing their long-term value.



Extensive environment control



Outside bunker

There is an outside bunker for quarantine in case a thermal event occurs, once the batteries are in the bunker they are monitored for 48hrs (every 2 hours inspection including thermal camera & gas detection monitoring).



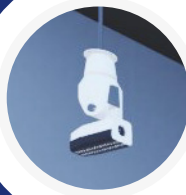
Inbound holding container

Once the batteries are received at inbound we store the batteries in a holding container outside the warehouse and monitor them for 12hours after receipt to ensure the batteries are stable before entering the warehouse.



Repacking capability

Should you require re-packing capability we will utilise a robotic arm in a secure space to handle the batteries safely and to transfer them between packaging to support a smoother transition within your supply chain.



CCTV coverage

CCTV coverage across the warehouse.



Fire barrier

The warehouse is broken into chambered compartments with 2 hour fire wall between each chamber and batteries stored over 2.5m from walls.



In rack and roof sprinklers

In-rack and roof sprinklers provide multi-layered, targeted fire suppression that contains a thermal runaway event to the point of origin, protecting valuable assets and preventing the spread of fire throughout the facility.



Fire alarm, smoke detectors & thermal cameras

Thermal cameras are located in each chamber at the ends and along the aisles to monitor any fluctuations in temperature. Sensors are monitored 24hrs remotely.

Lifecycle management

Unipart is one of the only UK providers offering a seamless full battery lifecycle solution, covering remanufacturing to restore battery performance, repurposing for second-life applications, and recycling to recover valuable materials, reducing costs and waste for OEMs and fleet operators.

Unipart provides a seamless, scalable, and compliant solution that extends battery life, reduces waste, and lowers Total Cost of Ownership (TCO).



Reduced waste to landfill

Full lifecycle management ensures batteries are repaired, reused, or responsibly recycled, minimising landfill waste and protecting our planet's valuable resources for a sustainable future.



Lower total cost of ownership

With proactive, expert battery care, you can extend asset life, reduce unexpected replacements, and maximise residual value, creating a significantly lower total cost of ownership.



Extend battery life

Through advanced technical care and optimal storage, we prevent degradation, maintain charge levels, and manage thermal stress, actively extending the operational life of every battery in your fleet.

We provide market leading safety controls to transport and store failed batteries & components throughout our logistics network.

Once batteries have reached the end of their life we recycle the components to recover critical materials that can be recycled.

We provide diagnostics at our facility or in the field to reduce the vehicle down time.



Low grade (non-recycled) batteries are developed to be reused in alternative applications such as: Energy Storage Systems (ESS).

Our remanufacturing process offers a clear solution to battery failure, extending the battery's primary lifecycle.

Partner with us to protect
your EV assets and secure
their long-term value.

Contact us today.

UNIPART



Click or scan
to contact us

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Your strategic partner for end-to-end EV battery lifecycle management.

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