

EV BATTERY LIFECYCLE MANAGEMENT

DYNAMIC MANUFACTURING – HILLSIDE, ILLINOIS

We are a leading automotive drivetrain component and system remanufacturer located in suburban Chicago. We remain at the forefront of our Customers' advancements in electric vehicle technology by expanding our capability to include electrified drivetrain systems.

Our expansion is focused on supporting the complete electric vehicle battery lifecycle.

INDUSTRIES SERVICED



- ✓ Automotive
- ✓ Industrial
- ✓ Energy
- ✓ Marine
- ✓ Material Handling
- ✓ Agricultural
- ✓ Electronics
- ✓ Construction
- ✓ On Highway
- ✓ Off Highway

DYNAMIC'S VALUE

Since 1955, we have maintained the trust of our Customers by providing high quality products and remanufacturing services that meet or exceed the original equipment service (OES) specification.

We provide tailored solutions with expertise in design, development, machining, assembly, validation, and logistics management. As vehicle technologies continue to evolve, we remain focused on continuing to deliver valuable solutions to our Customers.

We have invested in the best people, equipment, and facilities necessary to support the future of electric vehicle energy systems. We are committed to continue earning the trust of our Customers.





BATTERY LIFECYCLE

Electric vehicle (EV) batteries have a finite life. Over time, the originally installed EV batteries will no longer meet the power and energy demands of the vehicle manufacturer and need replacement. Through remanufacturing, we can bring them back to the OES specification.

When a battery can no longer be remanufactured to OES specifications there can be repurpose options. Secondary applications, such as energy storage systems and stationery back up power systems, can help maximize the total life-time value of each battery.

When the battery capacity is no longer acceptable in the secondary application, they reach the end of their lifecycle and must be disposed of responsibly. We have third party vendors to ensure proper environmental disposal.

BATTERY SERVICES

1. INSPECTION

We disassemble packs as defined by the original equipment manufacturer. Each module is visually inspected to ensure it is within specification.

2. TESTING

We provide one-on-one support for each customer to help define testing conditions for performance verification including capacity, stress and cycle life. Our engineering team develops custom scripts per customer specified requirements and is available to provide additional guidance and expertise.

3. REMANUFACTURING

We verify products through our multistep process. Each module is cleaned and re-inspected prior to testing. After testing is completed, a detailed analysis report is generated and included with each reassembled battery pack.

4. STORAGE / MAINTENANCE

We store and maintain each battery pack within our secure onsite warehouse. Scheduled activities are conducted to maintain required state of charge.

5. REPURPOSING

We provide alternative options for batteries that no longer meet OES automotive specifications. Applications such as energy storage systems and stationery back up power systems can help maximize the total life-time value of each battery.

6. RECYCLING

We provide disposal services for batteries that are damaged, unrepairable or have reached end of life status. We have established partnerships with reputable recyclers to ensure proper handling and processing.

