

BATTERY LOGISTICS CENTER (PRODUCTION)



Jointly developed and highly customized I2M solution for pre-production lithium-ion battery warehousing

Fewer parts are required to produce electric vehicles (EVs) than for internal combustion engine vehicles. But handling and storing lithium-ion batteries has greatly increased the complexity of inbound to manufacturing (I2M) pre-production warehousing.

TYPICAL BUSINESS CHALLENGES

- Knowing & complying with battery regulations
- Adding value to the production line
- Managing transportation to maintain production schedules
- Achieving SKU-level storage & shipment visibility
- Starting small yet enabling scalability
- Ensuring sustainability & environmental protection



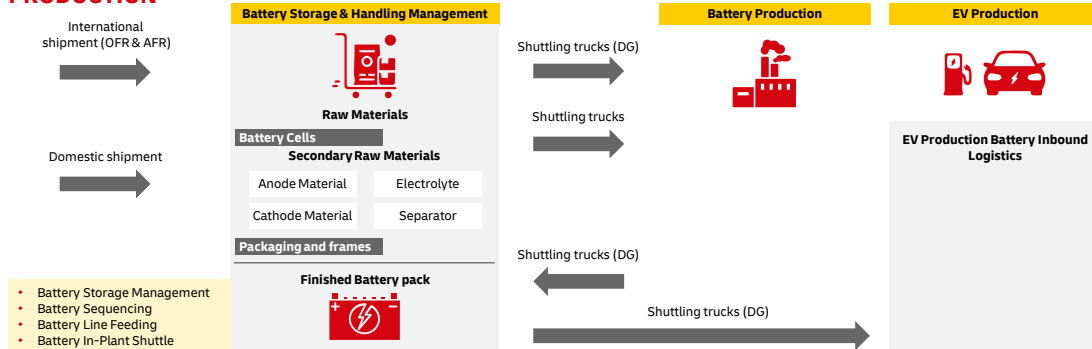
DHL SOLUTION

Warehouse solution design begins at DHL with detailed understanding of local regulations along with close customer collaboration to understand specific requirements. DHL contributes substantial knowledge and practical experience of running many pre-production lithium-ion battery warehouses.

SOLVING YOUR BUSINESS CHALLENGES

- ✓ **Knowing & complying with battery regulations** – Up-to-date regulatory information on battery storage and handling; DHL sites have all required security features and full certification
- ✓ **Adding value to the production line** – Specialized services include battery charging and repacking, managing empty packaging/shipment racks, battery sequencing, battery line feeding, and more
- ✓ **Managing transportation to maintain production schedules** – Inbound and outbound transportation management
- ✓ **Achieving SKU-level storage & shipment visibility** – Market-leading warehouse management system and transport planning system
- ✓ **Starting small yet enabling scalability** – DHL facilities around the world offer unique opportunities for scalable warehousing; phased rollout levels to meet specific needs
- ✓ **Ensuring sustainability & environmental protection** – Help with planning, developing, and building carbon-neutral warehouses today; DHL facilities in Europe will be carbon neutral by 2025; DHL Group will reach zero emissions by 2050

LITHIUM-ION KNOWLEDGE AND EXPERIENCE FOR COMPLIANCE, SAFETY, AND HIGH-PERFORMANCE PRODUCTION



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KEY BENEFITS FOR YOUR BUSINESS



COMPLIANT

Battery storage licenses, high-voltage and ADR staff training, fire protection, ventilation, insurance, etc.



GREEN

Careful consideration of battery storage, recycling, and the circular economy



EXPERIENCED

Many years of auto-mobility experience combined with battery-related knowledge and best practice



GLOBAL

Worldwide network of in-country certified dangerous goods (DG) specialists