



CUSTOMER RESULTS



“Lithium-ion powered counterbalances were giving us the power and the responsiveness that we need. They also give us the manoeuvrability we need in tight spaces.”

“We have custom-built charging shelves and stations next to the lunch room, so we have the opportunity to do a fast charge at a driver break which can be as short as 15 minutes or 30 minutes during lunch which will keep those units running without issue for two shifts.”

“I think where Lithium-ion batteries are appropriate I would highly recommend them, there is certainly a high reliability that we have seen so far and the operational benefits have been there.”

Andrew Marks
Assets and Facilities Manager DHL Supply Chain, Australia

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real stories,
REAL RESULTS.

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DHL Supply Chain

DHL Fast Charges Efficiency With Crown V-Force® Lithium-Ion Power

APPLICATION

DHL is an industry-leading global freight and logistics company whose services include warehousing and distributing goods for its clients. DHL relies heavily on their material handling equipment to provide efficient and timely delivery of its client's products.

CHALLENGE

DHL sought to improve the productivity of its Horsley Park, New South Wales, distribution facility by increasing the operating time of its forklift fleet before needing to refuel, ideally enabling units to operate over two shifts. This capability and the time savings from eliminating the changing of gas bottles used with its previous LPG forklift fleet would lead to greater operational efficiency. The core objectives for the initiative included reducing downtime, improving space utilisation, increasing ease of operator use, and maintaining forklift performance and safety.

SOLUTION

Working with long-term MHE partner Crown Equipment, DHL commissioned a fleet of V-Force Lithium-Ion-powered SC Series forklifts. The opportunity charging capability of the V-Force Lithium-Ion batteries allows for recharging during the operators' break time, providing one battery with sufficient power to achieve the targeted two-shift operation requirement.

RESULT

- Opportunity charging during operator breaks enables one battery to run nearly 24 hours daily and eliminates the need for battery swapping.
- Zero exhaust emissions, quiet operation and cooler on-board cabin temperature in summer leads to vastly improved working conditions for operators.
- Crown's professional onboarding process and support, site facilitation work, and expert guidance ensured DHL achieved a seamless transition from LPG to V-Force Lithium-Ion powered forklifts without affecting workflow.
- Switching to V-Force Lithium-Ion power resulted in a seamless transition, positive operator acceptance and productivity improvements.

