

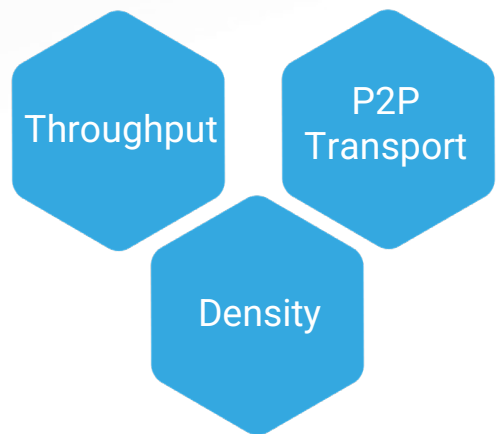


Case Study: DHL Supply Chain



HEALTHCARE CASE STUDY

Use Cases for Warehouse Automation at DHL



Problem

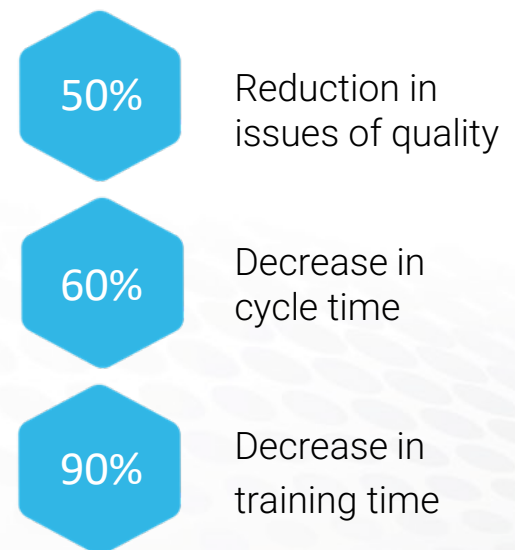
DHL Supply Chain was using a manual cart-based picking system that created the need for associates to walk long distances, which resulted in fatigue at the end of the day. Along with the physical strain on associates, DHL also had to sort out inaccuracies resulting from tired associates that made mistakes.

DHL looked to other warehouse operation solutions to reduce quality issues and streamline cycle times. The distribution manager shared that quality was the first driver for the solutions they considered, emphasizing the primary focus of DHL's improvements.

Solution

DHL's deployment of 100 autonomous mobile robots (AMRs) from Locus Robotics resulted in several benefits across multiple operational areas:

- Enhanced Order Accuracy
- Cycle Time Reduction
- Improved Efficiency
- Reduced Associate Strain



DHL Improves Order Accuracy with LocusBots



Detailed Results

DHL's deployment of 100 autonomous mobile robots (AMRs) from Locus Robotics resulted in several benefits across multiple operational areas:

- **Enhanced Order Accuracy:** By implementing a "pick-to-box" approach, DHL significantly reduced quality issues by 50%, with fewer customer complaints.
- **Cycle Time Reduction:** DHL's cycle time for orders decreased by 60%.
- **Improved Efficiency:** The elimination of a separate packing area streamlined operations and freed up resources, allowing DHL to fulfill orders directly in their shipping boxes.
- **Reduced Associate Strain:** By replacing carts with AMRs, DHL saw increased consistency in warehouse associate output, as the physical demands of walking long distances with heavy loads were minimized.

DHL Healthcare's partnership with Locus Robotics has proven to be a success in streamlining their life sciences logistics operations. By integrating Locus robots, DHL improved order quality, reduced operational touchpoints, and enabled rapid cycle times — all essential for a healthcare-focused supply chain.

They were able to massively simplify the process; eliminate their packing area; reduce training time; and saw a huge quality improvement without a dip in UPH or LPH. The results underscore the power of automation for maintaining high standards in healthcare logistics.

HEALTHCARE CASE STUDY

Results

50%

Reduction in issues of quality

60%

Decrease in cycle time

90%

Decrease in training time

