

A medium logistics firm cuts picking-list time by 91.6%: Technology and data

LOGISTICS AND TRANSPORTATION

MEDIUM

TECHNOLOGY AND DATA

-91.6%

PICKING-LIST TIME [1]

-89.9%

VERIFICATION TIME [1]

100%

BOT TEST ACCURACY [1]

PROBLEM

Manual shipment tracking, picking-list creation, and row-level verification consumed time and produced inconsistent accuracy at volume. Repetitive data work limited the capacity available for exceptions and customer needs.

SOLUTION

The company built three focused bots, compared them with manual work, and simplified inbound and outbound workflows. Each bot addressed a defined task so the team could test speed and accuracy against the existing method.

RESULT

Picking-list time fell from 90 seconds to 7.6 seconds. Verification time fell by 89.9% on average, and bot accuracy reached 100% in the reported tests.

BUSINESS LENS

Process economics: focused automation reduced repetitive unit effort while preserving a defined process boundary.

ASSUMPTIONS AND LIMITS

Single anonymous company, limited delivery-note dataset, no employee count, and no long-term evaluation. Some high-volume values were forecasts.

DEPARTMENT APPLICATION

TECHNOLOGY AND DATA

Three focused bots improved speed and test accuracy.

Application analysis based on the cited source. It is not a separate measured result.

Prepared by Ocmulgee Business Process Solutions from the cited independent source. This is not an Ocmulgee client engagement or an original Ocmulgee result.

SOURCE [1]

Lam, Tang and Wong, 2024. Raising Logistics Performance to New Levels through Digital Transformation. <https://doi.org/10.1177/18479790241231730>

Peer-reviewed SAGE research article | Size basis: The peer-reviewed article explicitly classifies the whole company as a medium-sized logistics company.