

# Utilizing TMS & WMS to Drive Process Improvements and Maximize Returns on Investment

## ***Transportation Management Systems (TMS) Returns on Investment***

- Transportation management labor hours saved
  - Replace manual rating and carrier routing with automated processes.
  - Improve carrier negotiating, utilize better traffic information
  - Automate manual processes such as: load tendering to carriers and freight bill audit and payment.
  - More efficient order and shipment tracking and tracing
  - Improved exception handling, aids in management by exception
- Coordinated daily transportation planning and optimization
  - Inbound and outbound shipment planning
  - Mode conversions to minimize transportation costs and maximize service levels.
    - LTL to TL shipment consolidation, Multi-stop TL versus LTL, Intermodal versus TL
  - Improved routing (fore-hire, private/dedicated fleets)
- Comprehensive reports facilitating root cause analysis and corrective action
- Reduced shipping errors
- Improved international shipping management and compliance
- Sales increases from improved on-time service levels; or conversely, preventing lost sales.

## ***Warehouse Management Systems (WMS) Returns on Investment***

- Warehouse labor hours saved
  - Reduction in the number of hours required to perform warehouse activities including: receiving, putaway, replenishment, picking, and shipping.
  - Total employee related costs (benefits, overhead, voluntary benefits, etc.) in addition to hourly wage
- Shipping error reductions
- Inventory write-off reduction
  - Reduction in inventory write-offs due to enforced inventory rotation, better inventory accuracy, and having a detailed audit trail (reduced shrinkage).
- Reduction in total inventory
  - Reduction in inventory due to higher inventory accuracy, enforced rotation, reduced safety stock, and reduced shipping errors.
- Sales increase due to service improvements
  - Potential for increased company sales due to better customer service and improved inventory management; or conversely, preventing lost sales.