

SUPPLY CHAIN · FREE GUIDE 07

Warehouse Metrics × AI

The 20 metrics that matter on a warehouse floor — and exactly how AI moves each one. Built from motherhub, dark store and RFC floors, not a textbook.

Productivity

- UPH (units/hour) by process path → AI shift briefs surface which path bled yesterday and why
- Pick travel distance → slotting re-optimisation from order-affinity data
- Indirect hours % → anomaly alerts when non-pick time creeps up
- Cost per order → weekly driver-tree narrative generated automatically

Industry example — A cluster moved 92 → 128 UPH while cutting cost-per-order 18% — slotting logic plus daily AI-generated exception briefs for supervisors.

Accuracy & quality

- Inventory accuracy (location level) → cycle-count prioritisation by error likelihood
- Pick accuracy → error clustering: is it a person, a bin, or a look-alike SKU?
- Order accuracy at customer → complaint text mined into defect Pareto
- Damage % → photo-log classification tells you WHERE damage happens

Speed & service

- Dock-to-stock hours → bottleneck detection from timestamp gaps
- Order-to-dispatch minutes → slot-level risk prediction before the slot opens
- Slot adherence / fill rate → demand-supply mismatch flagged a day early
- Putaway completion within shift → workload balancing suggestions

People & cost

- Attrition % monthly → cohort analysis finds WHICH joining batches leak
- Absenteeism pattern → roster risk score for tomorrow, tonight
- Overtime hours → forecast-driven rostering removes panic OT
- Training ramp time → SOP RAG assistant cuts new-picker questions

How to start without a data team

- Your WMS exports + a spreadsheet + an LLM is a legitimate v1
- Automate the narrative first (what changed, why) — dashboards already exist
- One metric, one owner, one AI brief — then expand
- Never let AI invent a number: it explains numbers, systems produce them

Want this implemented, not just downloaded?

Book a free 30-min discovery call → consult@hariadvisory.com · +91 98801 27460