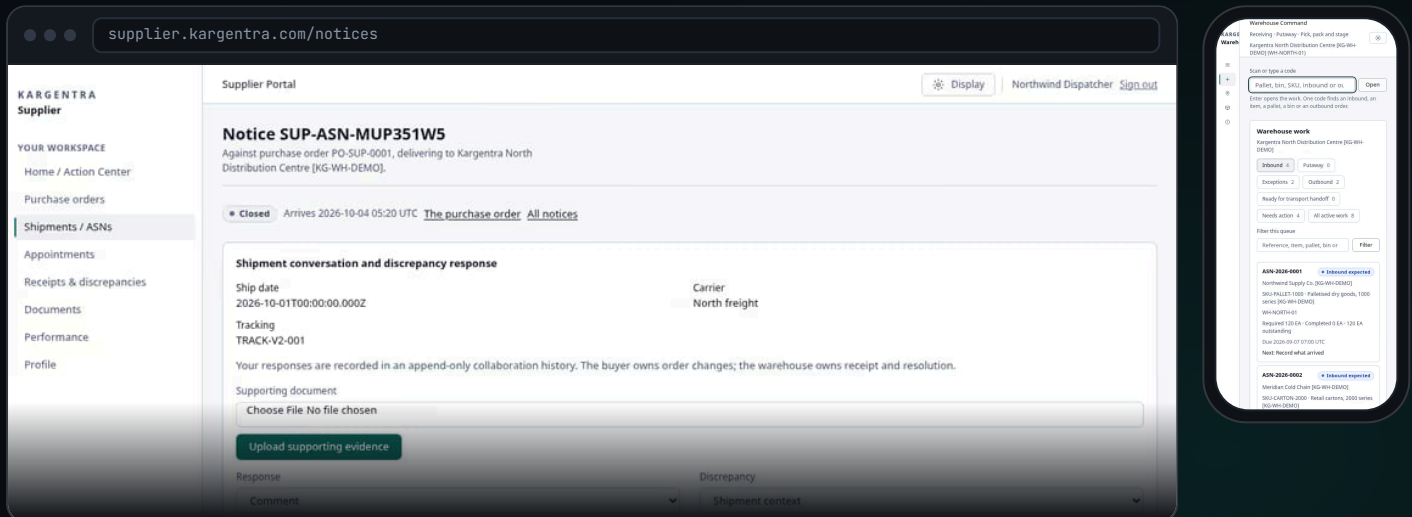


● WAREHOUSE MANAGEMENT · WMS

Warehouse Management

A warehouse management system with returns and reverse logistics built in

Kargentra WMS is a warehouse management system that runs receiving, quality, putaway, replenishment, picking, packing and staging from one scan-first queue on phone, tablet or desktop. Returns start on hold and are dispositioned with evidence, 3PL clients stay separate down to SKU and barcode, and transport learns exactly when a shipment is ready for handoff.



SUPPLIER PORTAL · SHIPMENT NOTICE AND RECEIPT DISCREPANCY

WHAT CHANGES FOR THE OPERATION

Received is not available

Expected, received, available and allocated stay separate, so stock cannot be promised before it is real.

One scan opens the work

Scan an inbound, item, pallet, bin or order and it opens in place, even when it is not on the current page.

Returns that protect stock

Every return arrives on hold and reaches Available only through a governed hold release with evidence.

Warehouse ready means ready

Ready for load and Blocked from transport handoff come from recorded packing and staging, not from a message.

WHAT WMS DOES

Warehouse Command

One queue of real warehouse work per facility, on phone, tablet and desktop, with operators acting in place.

- Needs action, Inbound, Putaway, Outbound, Exceptions, Ready for transport handoff
- Bounded pages that still count the full scoped total
- Your permissions in the top bar; supervisors get Needs a decision

Inbound and three-way match

Expected supply moves through receiving to putaway, with ordered, expected and received quantities matched line by line.

- Lot, expiry, serial, packaging and handling units captured at receipt
- Declare excess or wrong item at the point of receipt
- Supplier change proposals approved or declined on the purchase order

Quality inspection and holds

Inspection plans apply to received stock, and goods stay restricted until a governed pass and hold release.

- Needs inspection, Pass, Fail, Passed and awaiting release
- Sample quantity and inspection evidence recorded
- Available, Inspection required, Quarantine, Damaged, Rejected

Inventory traceability

Authoritative stock by item, owner, lot, location and disposition, with counts, transfers and labels.

- Lot and expiry with first-expiry-first-out allocation
- Cycle counts: counted against expected, variance, governed close
- ZPLII pallet labels with Code 128 barcodes

Slotting and replenishment

Recommend storage slots and pick faces from verified capacity, and refill pick faces before picking runs short.

- Capacity verified, No verified slot available, Not eligible
- Governed slot moves that conserve stock
- A shortage blocks picking until the refill is physically moved

Outbound release and picking

Release outbound demand in waves or continuously, then run scan-confirmed pick sequences against current allocations.

- Discrete, batch, cluster, zone, wave and waveless picking
- Scan the source location, then scan the pick item
- A pick sequence is blocked when nothing is allocated

HOW IT FLOWS

From expected supply to Warehouse ready

- 01 Expect**
A purchase order and the supplier's ASN create Inbound expected, with lots, expiry and handling units declared. Owner: receiving clerk.
- 02 Receive**
Lines are scanned against ordered and expected quantities. Short, excess, wrong item or damage is recorded as a discrepancy, not absorbed.
- 03 Inspect and release**
Stock that needs inspection stays restricted until a pass and a governed hold release. Owner: QA inspector or warehouse supervisor.
- 04 Put away**
A slot is recommended from verified capacity and the move is confirmed by scan. Only now does received stock become available.
- 05 Allocate and release work**
Outbound demand is allocated against available stock and released in waves or continuously. Owner: outbound supervisor.
- 06 Pick**
Grouped, scan-confirmed pick sequences run against current allocations. A pick exception becomes a case with an owner.
- 07 Pack and stage**
Cartons are recommended, packing and staging are recorded, and the shipment becomes Ready for load or Blocked from transport handoff.
- 08 Hand off to transport**
Warehouse ready reaches the transport record as a readiness fact. It is not dispatch readiness: the dispatcher still releases.

CAPABILITY REFERENCE

Inbound

- Purchase orders with supplier change proposals
- ASN receipt with lot, expiry, serial and handling units
- Three-way match: ordered, expected, received
- Short, excess, wrong item and damage discrepancies
- Quality inspection plans and governed holds
- Cross-dock flow-through to picked outbound demand

Inventory

- Stock by item, owner, lot, location and disposition
- First-expiry-first-out
- Cycle counts with variance and governed close
- Transfers and governed slot moves
- Slotting from verified capacity
- Demand-driven replenishment

Outbound

- Wave or continuous release
- Discrete, batch, cluster, zone, wave and waveless picking
- Scan-confirmed pick sequences
- Cartonisation from verified dimensions
- Staging lanes and warehouse exit
- Ready for load or Blocked from transport handoff

Returns

- Expected returns and reverse receiving
- Every arrival starts on hold
- Inspection and per-line disposition
- Restock only through a governed hold release
- Return and claim cases through to Finance handoff

Work and 3PL

- Assign, start, complete, refuse and reopen work
- Operator and equipment qualifications with expiry
- Declared shift capacity and task limits
- Owner-scoped SKU and barcode identity
- Kit and bundle recipes with traceable output
- Service and storage charging on the ledger

Platform

- One browser app for handheld, tablet and desktop
- Operating profiles with preview before publish
- Analytics: workload, capacity, stock and providers
- Edge-recovery workbench for every discrepancy type
- WMS only, or connected with OMS and TMS
- Automation provider dispatch and observation contract

STANDARDS AND CONNECTIONS

REST API (OPENAPI)

WAREHOUSE EVENT OUTBOX (ASYNCAPI)

ZPL II LABELS WITH CODE 128

ERP AND EXTERNAL OMS ORDER INTAKE

EXTERNAL SHIPPING HANDOFF

AUTOMATION PROVIDER CONTRACT

SUPPLIER PORTAL ASN

CONNECTOR HUB

QUESTIONS BUYERS ASK

What is a warehouse management system?

A warehouse management system controls the physical work and stock of a warehouse: receiving, quality, putaway, replenishment, picking, packing, staging and returns. Kargentra WMS does this from a scan-first queue on phone, tablet or desktop, and shares one record with orders and transport, so stock, warehouse readiness and shipments never have to be reconciled by hand.

ASK KARGENTRA IN WMS

“Why is pallet LP-00418 not available?”

Pallet LP-00418 was received against ASN-20931, lot L2409-B, and is on a quality hold. The inspection plan sampled 12 units and one failed for crushed packaging. Until the hold is released, its 96 units count as on hand and held, not available, so they cannot be allocated to outbound order OUT-7731, which is short by 40 units.

ASN-20931 · LINE 3 · RECEIVED 96 OF 100

QUALITY INSPECTION · SAMPLE 12 · 1 FAIL

DISPOSITION · INSPECTION REQUIRED

INVENTORY 360 · ON HAND 96 · AVAILABLE 0

PROPOSAL · APPROVED BY THE WAREHOUSE SUPERVISOR WITH THE HOLD RELEASE PERMISSION

Release 95 units to Available and move the failed unit to Damaged, with the inspection evidence attached.

Ask Kargentra reads only what your role can open, cites every fact and proposes. A named person approves; nothing is sent or executed on its own.

EXCEPTIONS AND EDGE CASES HANDLED

- A supplier ships 96 of 100 cases: the shortage is recorded against the ASN line and the supplier sees it in their portal.
- The wrong item arrives on a correct-looking pallet: it is declared as wrong item at receipt, not absorbed into stock.
- Two 3PL clients use the same barcode: owner-scoped identity keeps their stock and their orders apart.
- A pick face runs dry mid-wave: picking blocks until the reserve refill and the physical move are confirmed.
- A lot fails inspection after putaway: it moves to quarantine and every allocation against it is visible for re-planning.
- A returned unit arrives with no matching authorisation: it is received on hold and waits for a decision.



See Warehouse Management on your own scenario

Bring a real lane, site or exception. More at www.kargentra.com/products/warehouse-management/

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