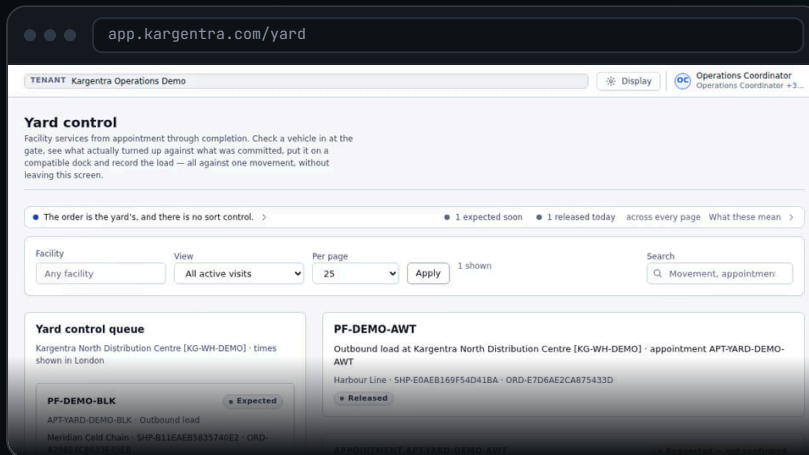


YARD MANAGEMENT • YMS

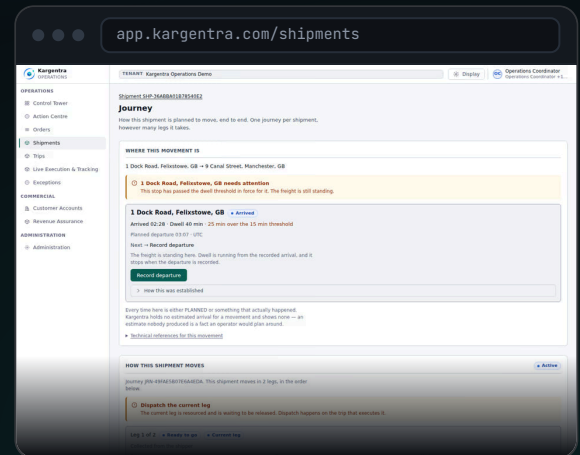
Yard Management

A yard management system that keeps trailers moving from gate to dock

Kargentra's yard management system runs every facility visit from the appointment through gate check-in, the dock queue, door assignment and service to release. Driver, tractor and trailer are matched expected against observed at the gate, and dwell is measured against free time, so detention rests on recorded evidence rather than argument.



YARD • A VISIT FROM GATE TO DOCK TO RELEASE



SHIPMENT JOURNEY • A DWELL BREACH SURFACED ON THE RECORD

WHAT CHANGES FOR THE OPERATION

No surprise arrivals

Requested and confirmed windows are separate, and at-risk arrivals are queued for rescheduling before they reach the gate.

Identity checked at the gate

Driver, tractor and trailer are compared expected against observed, and a mismatch holds the visit with a reason.

Doors used, not argued over

Each visit waits in a dock queue and is assigned a compatible door, so the board shows who is where and why.

Detention with evidence

Dwell runs from check-in to release against the tenant's free time, so a detention claim rests on recorded times.

WHAT YMS DOES

Dock appointment scheduling

Inbound unload and outbound load appointments are booked per facility, with requested and confirmed windows kept apart.

- Suppliers and carriers request a window; the yard confirms it
- Requested, not confirmed is a visible state of its own
- Warehouse work waiting for an appointment is listed

Rescheduling from risk signals

Appointments whose trips carry delivery risk are queued for rescheduling, with late visits ahead of those at risk.

- Needs-rescheduling queue ordered by urgency
- Changes go through the governed appointment revision
- Rescheduled visits keep their full history

Gate check-in

Record the vehicle at the gate and match driver, tractor and trailer against the appointment.

- Expected against observed for every identity
- Arrived, needs match until the identities agree
- An unplanned arrival opens one appointment, never two

Dock queue and door assignment

Put a checked-in vehicle in the dock queue and assign a compatible dock door when one is free.

- Waiting for dock, At dock and In service views
- Door compatibility with the visit's work type
- Every assignment recorded with time and actor

Service at the dock

Start service, record service complete and keep the facility facts on the visit where every team can read them.

- Service started and completed times
- Linked warehouse receipt or outbound load
- Service complete is not dispatch readiness

Release holds and release

A release hold keeps a visit on site until its reason is cleared; then the vehicle is released to transport.

- Holds applied and cleared with reasons
- Blocked, discrepancy shown on the board
- Ready to leave and Released today views

HOW IT FLOWS

A facility visit, from appointment to release

- 01 Request a window**
A supplier, carrier or the warehouse requests a window. It reads requested, not confirmed until the dock scheduler confirms it.
- 02 Confirm**
The dock scheduler confirms the appointment as an inbound unload or an outbound load. Owner: dock scheduler.
- 03 Check in at the gate**
The gate operator records the vehicle. Driver, tractor and trailer are matched; a mismatch leaves the visit at Arrived, needs match.
- 04 Queue and assign a door**
The visit moves to Waiting for dock, then At dock once a compatible door is assigned. Dwell has been running since check-in.
- 05 Serve at the dock**
In service until service is recorded complete, linked to the warehouse receipt or outbound load.
- 06 Clear holds and release**
Release holds are cleared with reasons, then Ready to leave becomes Released to transport. Owner: yard coordinator.
- 07 Settle the time**
Dwell against free time reads Within free time, Detention accruing or Detention accrued; a person files detention with evidence.

ASK KARGENTRA IN YMS

“Why is the trailer at Door 5 not released?”

Visit YV-3318 finished service at Door 5 at 14:05, but a release hold is in force: the trailer observed at the gate, TRL-5521, is not the trailer on the appointment, TRL-5512. Dwell is 2 h 40 min against 2 h of free time, so detention is accruing on this visit. Separately, two inbound appointments after 16:00 are flagged at risk by delivery-risk signals on their trips.

GATE CHECK · TRAILER · EXPECTED TRL-5512 · OBSERVED TRL-5521

RELEASE HOLD · IN FORCE · IDENTITY MISMATCH

DWELL · 2 H 40 MIN · FREE TIME 2 H

NEEDS RESCHEDULING · 2 AT RISK AFTER 16:00

PROPOSAL · APPROVED BY THE YARD COORDINATOR

Correct the trailer on the appointment to TRL-5521, clear the release hold with that reason and release the visit to transport.

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

- The trailer at the gate is not the trailer on the appointment: the visit stays at Arrived, needs match until it is resolved.
- A truck arrives without an appointment: the unplanned arrival opens one appointment, and a retry never opens a second.
- The inbound trip is running late: its appointment joins the needs-rescheduling queue before the window is missed.
- Every compatible door is occupied: the vehicle waits in the dock queue with its dwell clock already running.
- Service completes while a release hold is in force: the vehicle cannot leave until the hold is cleared with a reason.
- A visit runs past free time: detention moves from accruing to accrued, priced in the tenant's currency.

CAPABILITY REFERENCE

Appointments

- Inbound unload and outbound load types
- Requested and confirmed windows kept separate
- Supplier and carrier window requests
- Needs-rescheduling queue: late before at risk
- Governed appointment revision with history

Gate

- Record the vehicle at the gate
- Driver, tractor and trailer identity match
- Expected against observed on every identity
- Unplanned arrivals opened exactly once
- Blocked, discrepancy state with a reason

Dock

- Dock queue
- Compatible door assignment
- Start service and record service complete
- Linked warehouse receipt or load
- Board views from Expected soon to Released today

Release

- Release holds applied and cleared with reasons
- Release to transport
- Ready to leave and Released today views
- Yard release kept separate from dispatch release

Dwell and detention

- Dwell from check-in to release
- Tenant free time and detention rate
- Within free time, accruing, accrued
- Amount in the tenant's configured currency
- Filed as an accessorial by a person
- Dwell breaches on the shipment journey

STANDARDS AND CONNECTIONS

REST API (OPENAPI)

SIGNED WEBHOOKS

EVENT STREAMS (ASYNCAPI)

SUPPLIER PORTAL APPOINTMENT REQUESTS

DRIVER APP

EXTERNAL YARD OBSERVATIONS VIA CONNECTOR HUB

QUESTIONS BUYERS ASK

What is a yard management system?

A yard management system controls what happens between the gate and the dock: appointments, check-in, which vehicle waits where, which door it gets, how long it stays and when it may leave. Kargentra Yard Management does this on the same record as the warehouse and transport, so a gate arrival, a dock door and a release are facts every team reads the same way.

How does dock appointment scheduling work?

Suppliers, carriers or the warehouse request a window for an inbound unload or an outbound load. The request stays requested, not confirmed, until the dock scheduler confirms it, and both windows are kept side by side. When delivery-risk signals show a trip will be late, its appointment joins a rescheduling queue, ordered late before at risk.



See Yard Management on your own scenario

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

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