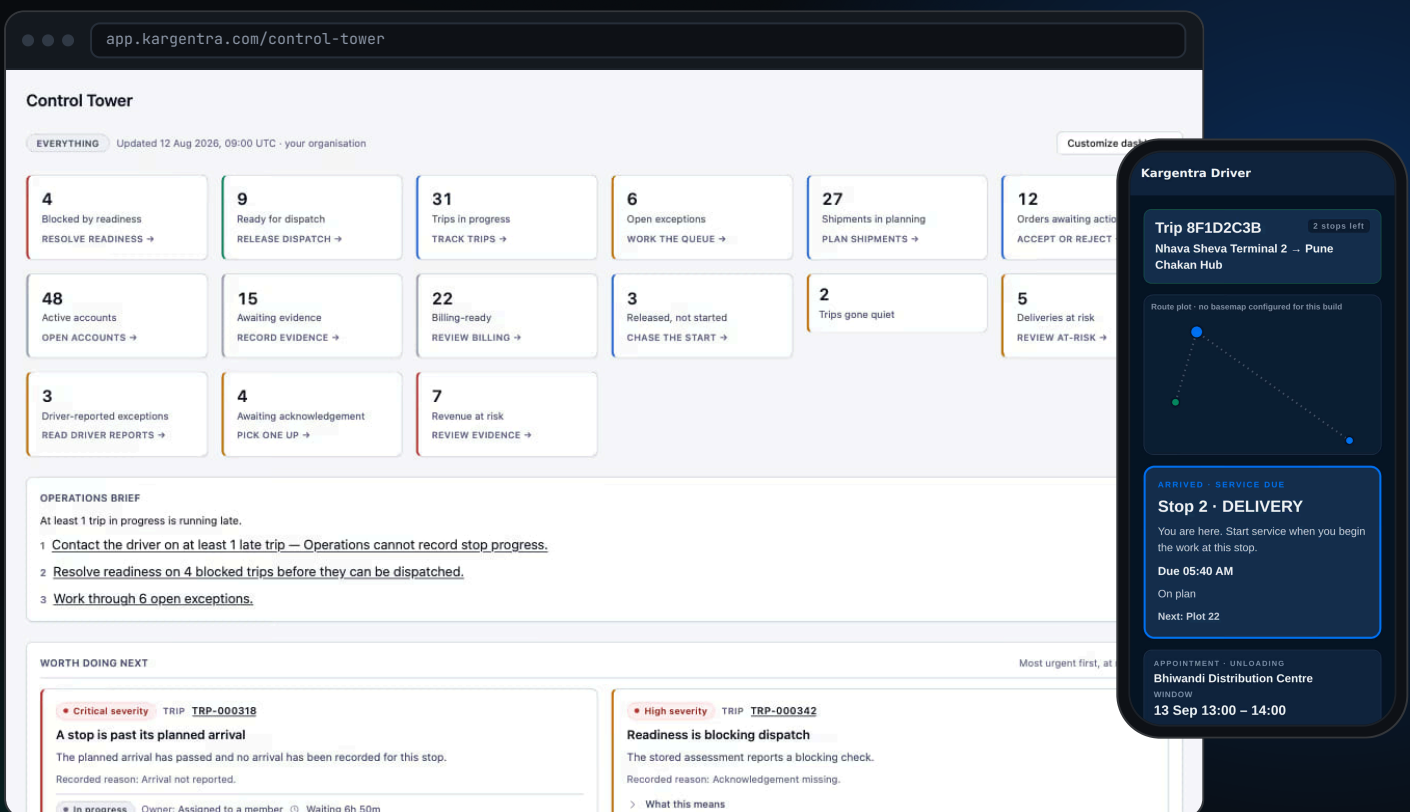


• ENTERPRISE LOGISTICS OPERATING SYSTEM

The logistics operating system.

One record, from order to invoice.

Kargentra runs order, transport, warehouse and yard work, the partner network, freight finance and governed AI on one operational record. Every hand-off is a state change on that record, with the actor and the time kept as evidence.



8

ROLE-BUILT
APPLICATIONS

1

OPERATIONAL RECORD

9

ORDER-TO-DELIVERY
STAGES

3

DEPLOYMENT SHAPES

4

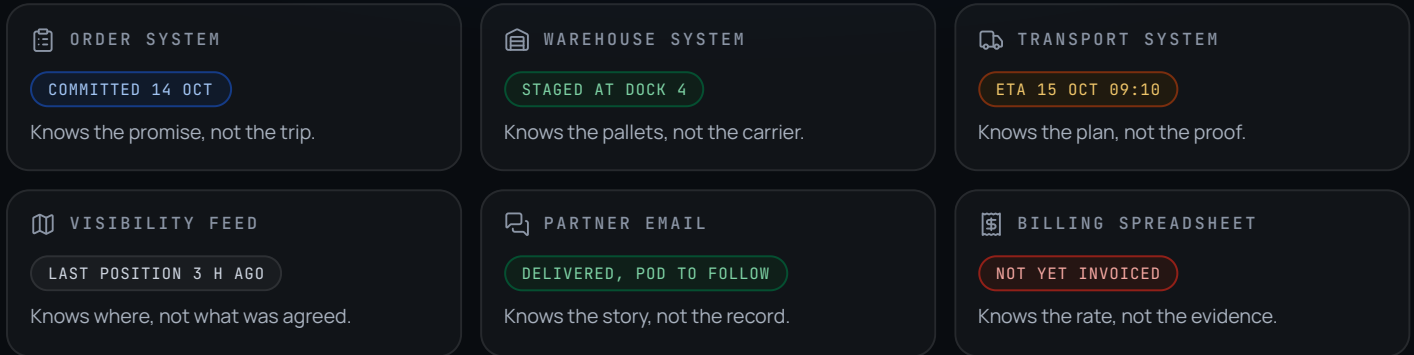
TRANSPORT MODES

THE PROBLEM

Six systems. Six versions of the truth.

Most operations run an order system, a warehouse system, a transport system, a visibility feed, partner email and a billing spreadsheet. Each is right about something. None of them agrees about the same consignment, so people reconcile by hand.

ONE CONSIGNMENT, ORD-88214, AS EACH SYSTEM SEES IT

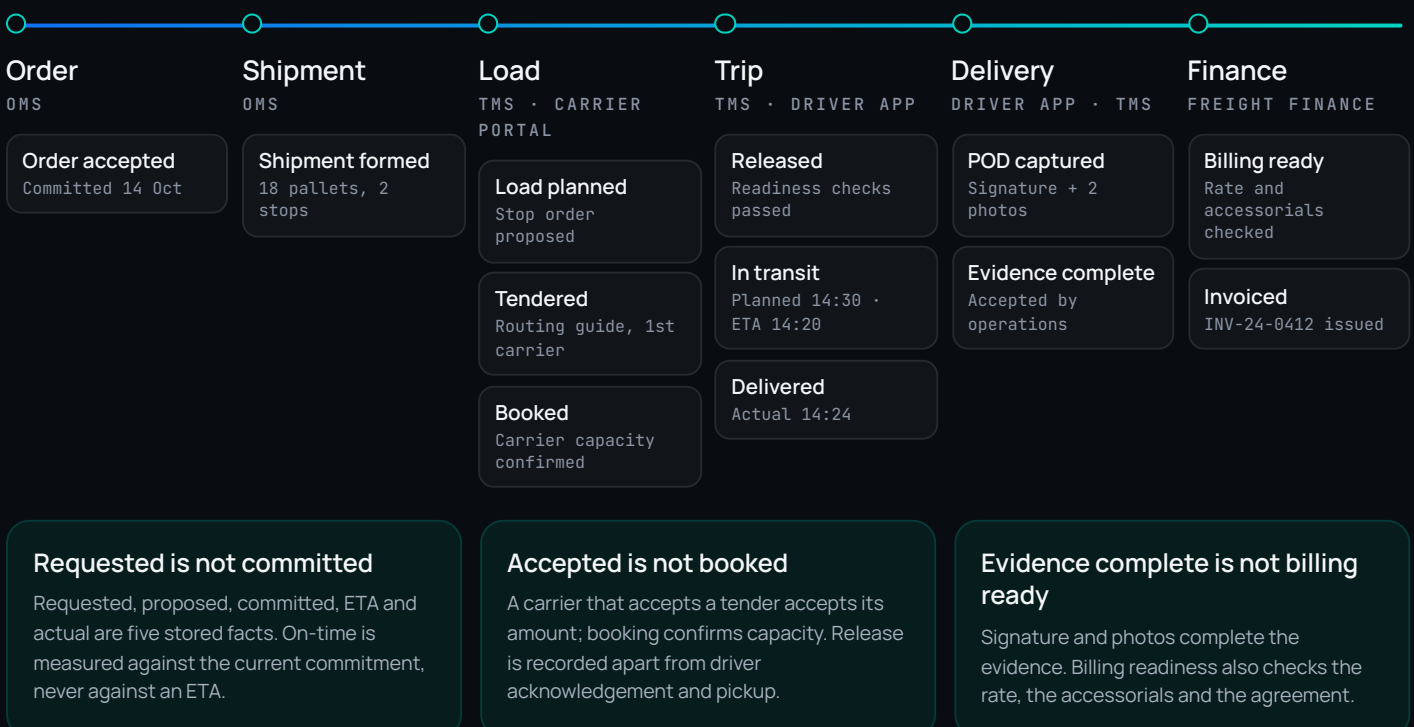


- Hand-offs are re-keyed between systems, and each copy drifts.
- Exceptions surface when the customer calls, not when the plan breaks.
- Carrier and customer disputes are settled in email, without the evidence.
- AI that cannot see the record guesses, and nobody can check its sources.

ONE RECORD INSTEAD

Every hand-off is a state change on one record.

In Kargentra the order, its shipments, the load, the trip, the delivery evidence and the invoice are linked states of one record. Each application reads and writes the same facts, so a hand-off carries an actor and a time instead of a file someone re-keys.



• THE PLATFORM

Everything an operation runs, on one record.

Order, transport, warehouse and yard execution; a control tower, conversations and governed AI; freight finance; carrier, customer and supplier portals and a driver app. Each tenant composes what it needs, on one data model and one permission chain.

NETWORK

Partners work on the same record, scoped to what is shared with them.



CARRIERS

Carrier Portal

Quote, accept tenders, nominate driver and equipment, file evidence.



CUSTOMERS

Customer Portal

Order, see the committed date, track, review and dispute invoices.



SUPPLIERS

Supplier Portal

Confirm POs, declare ASNs, request dock time, answer discrepancies.



DRIVERS

Driver App

Offline-first stops, delivery attempts and proof of delivery.

EXECUTION

Order, warehouse, yard and transport work, each owned by Kargentra or by a system you keep.



OMS

Order Management

Validate every order, promise against stock, route fulfilment.



TMS

Transportation Management

Plan, source, tender, release, execute and close transport.



WMS

Warehouse Management

Scan-first receiving, inventory, picking, packing and staging.



YMS

Yard Management

Appointments, gate, dock doors, dwell and release.

CONTROL AND INTELLIGENCE

What needs a person, the conversation around it, and AI that shows its sources.



CONTROL

Control Tower & Live Tracking

Every queue that needs a person, with source-labelled tracking.



COLLABORATE

Collaboration Center

Conversations anchored to the order, load or invoice.



GOVERNED AI

Ask Kargentra

Cited answers and proposals that a named person approves.



FINANCE

Freight Finance & Billing

Billing readiness, freight audit, invoices and disputes.

FOUNDATION

How each tenant is composed, connected and kept separate.



COMPOSE

Administration & Process Composer

Stage ownership, profiles, roles and onboarding readiness.



CONNECT

Integrations

Connector Hub, EDI X12 204, REST APIs, webhooks and events.



TRUST

Trust & Security

Row-level tenant isolation, scoped sharing, hash-chained audit.

One operational record

ONE DATA MODEL · ONE PERMISSION CHAIN · ONE AUDIT TRAIL

BUILT FOR



Shippers & manufacturers



Third-party logistics (3PL)



Carriers & fleets



Distribution & retail



Freight brokers

8

ROLE-BUILT APPLICATIONS

Operations, warehouse handheld, tenant and platform administration, and the carrier, customer, supplier and driver apps.

1

OPERATIONAL RECORD

Order, shipment, load, trip, evidence and invoice stay linked from intake to billing.

9

ORDER-TO-DELIVERY STAGES

Each owned by Kargentra, a connected system or a person, stage by stage.

3

DEPLOYMENT SHAPES

TMS-only, WMS-only or the full connected operating system, from one tenant.

4

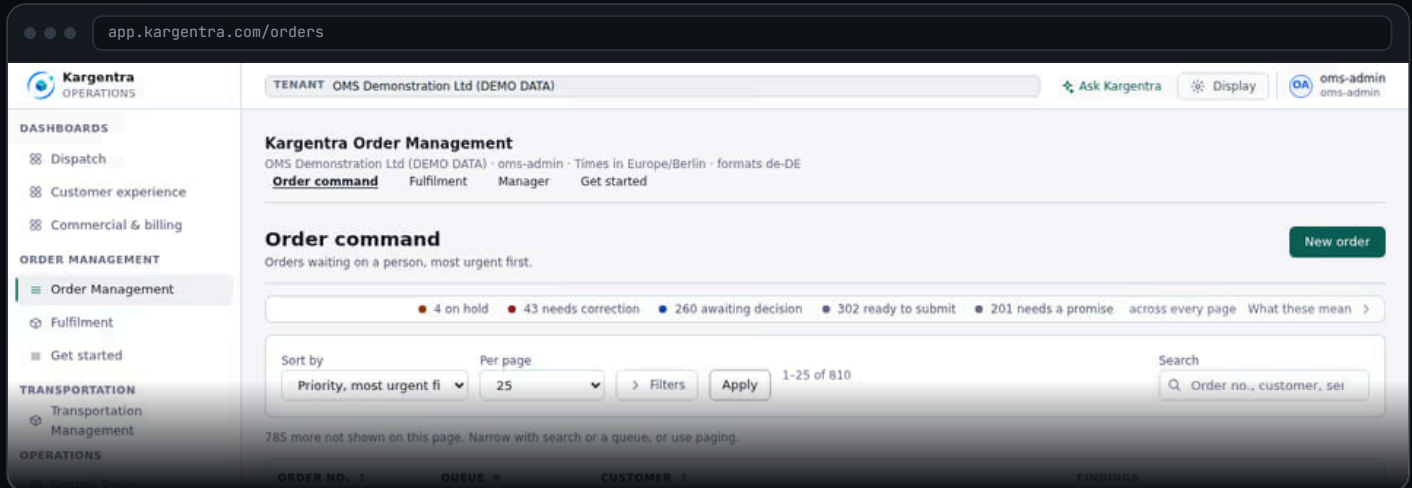
TRANSPORT MODES

Road, rail, ocean and air legs planned as one multi-leg journey.

● ORDER MANAGEMENT · OMS

Demand you can promise, and promises you can keep.

Orders arrive from your team, the customer portal, partner APIs, ERP connections and EDI X12 204 through one writer that records where each came from. One deterministic rule validates every order, and the same rule guards acceptance.



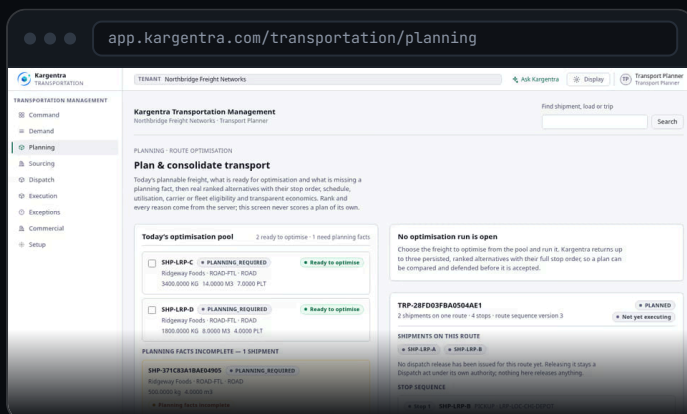
ORDER COMMAND · OMS · ORDERS WAITING ON A PERSON, MOST URGENT FIRST

- Every order ends Clear, Review required or Blocked, with the fix linked
- Availability-to-promise per line; requested, proposed and committed kept apart
- Holds and cancellations show their downstream consequence before anyone acts
- Fulfilment split into warehouse and transport legs, native or external

● TRANSPORTATION MANAGEMENT · TMS

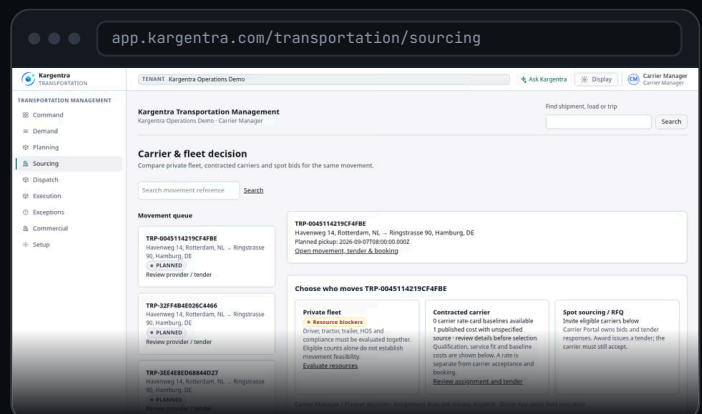
The whole transport day, from plan to proof.

Planning, sourcing, dispatch, live execution, recovery and delivery close run on the same movement. Optimisers propose and planners decide, and every option that was refused shows why.



PLANNING · TRANSPORT PLANNER · ROUTE OPTIMISATION THAT EXPLAINS EVERY REFUSAL

- Load and route planning that compares ranked alternatives before anything is written
- Carrier and fleet sourcing: RFQ, award of an exact quote, tender at a frozen price
- Routing guide with a not-to-exceed cap; a carrier is never re-offered a load it declined



SOURCING · CARRIER AND FLEET DECISION FOR ONE MOVEMENT

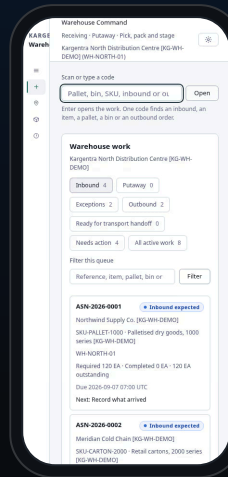
- Dispatch readiness as Ready, Blocked or needs approval, with the exact failing checks
- Manager health where every figure states its numerator, denominator, scope and read time

WAREHOUSE MANAGEMENT • WMS

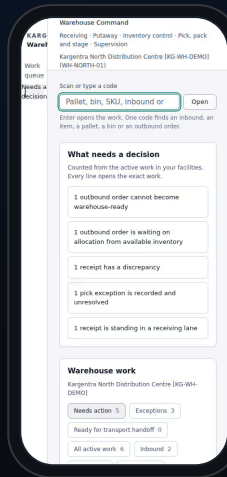
A full warehouse on one scan-first app.

Phone, tablet or desktop: one scan opens an inbound, item, pallet, bin or outbound order, and the operator acts in place. Stock truth is protected by governed commands, never by a provider event or an AI suggestion.

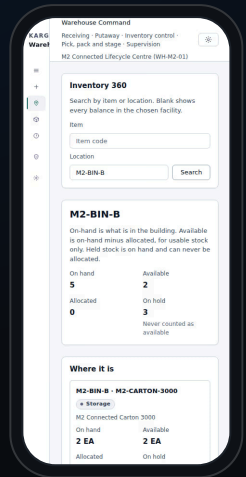
- Receiving against PO and ASN, with every discrepancy recorded and owned
- Inspection and governed holds; returns start on hold until released
- Cross-dock, slotting, replenishment, wave or continuous picking, cartonisation
- Lot, expiry and quarantine on authoritative stock, with cycle counts
- 3PL client ownership on items, balances and handling units
- Warehouse Ready recorded apart from Dispatch Ready



WAREHOUSE HANDHELD • INBOUND QUEUE WITH A SUPPLIER NOTICE



WAREHOUSE SUPERVISOR • WHAT NEEDS A DECISION

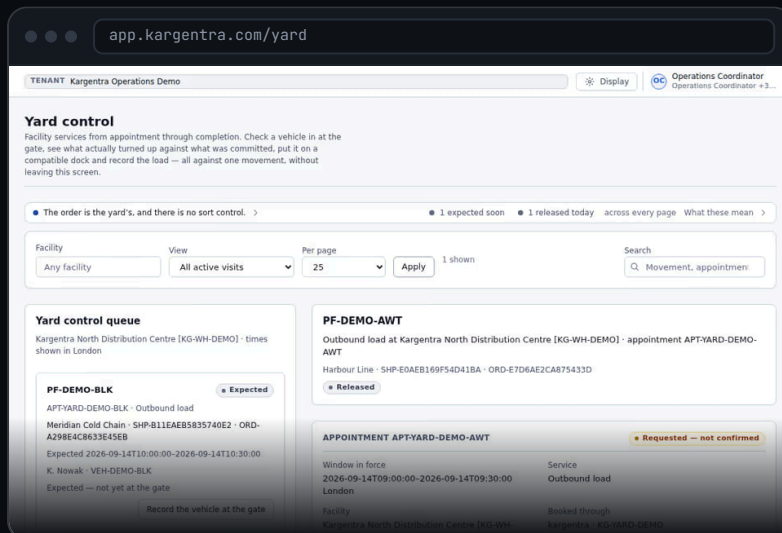


INVENTORY 360 • LOT, EXPIRY AND QUARANTINE

YARD MANAGEMENT • YMS

Gate to dock to release, matched at every step.

Each facility visit runs from appointment through gate check-in, dock queue and door assignment, service and release. Expected and observed driver, tractor and trailer are matched at the gate.



YARD • A VISIT FROM GATE TO DOCK TO RELEASE

- Service completed is not dispatch readiness; departure is not dispatch release
- Dwell observed against free time gives an explainable detention fact
- Appointments at risk from delivery-risk signals are queued for rescheduling

Returns, on hold by default

Every return arrival starts on hold, is inspected and dispositioned, and restock needs a governed hold release.

● CONTROL TOWER & EXCEPTION RECOVERY

See what needs a person. Recover with an owner.

The Operations Center spans order, warehouse and transport work: an action centre, operational pulse, flow health and capacity pressure, each item routed to the workflow that owns it. Background checks detect risk and open a case with its context attached.

Control Tower

EVERYTHING Updated 12 Aug 2026, 09:00 UTC · your organisation Customize dashboard

4 Blocked by readiness RESOLVE READINESS →	9 Ready for dispatch RELEASE DISPATCH →	31 Trips in progress TRACK TRIPS →	6 Open exceptions WORK THE QUEUE →	27 Shipments in planning PLAN SHIPMENTS →	12 Orders awaiting action ACCEPT OR REJECT →
48 Active accounts OPEN ACCOUNTS →	15 Awaiting evidence RECORD EVIDENCE →	22 Billing-ready REVIEW BILLING →	3 Released, not started CHASE THE START →	2 Trips gone quiet	5 Deliveries at risk REVIEW AT-RISK →
3 Driver-reported exceptions READ DRIVER REPORTS →	4 Awaiting acknowledgement PICK ONE UP →	7 Revenue at risk REVIEW EVIDENCE →			

OPERATIONS BRIEF

At least 1 trip in progress is running late.

- 1 Contact the driver on at least 1 late trip — Operations cannot record stop progress.
- 1 Resolve readiness on 4 blocked trips before they can be dispatched.

CONTROL TOWER · OPERATIONS · EVERY QUEUE THAT NEEDS A PERSON, MOST URGENT FIRST

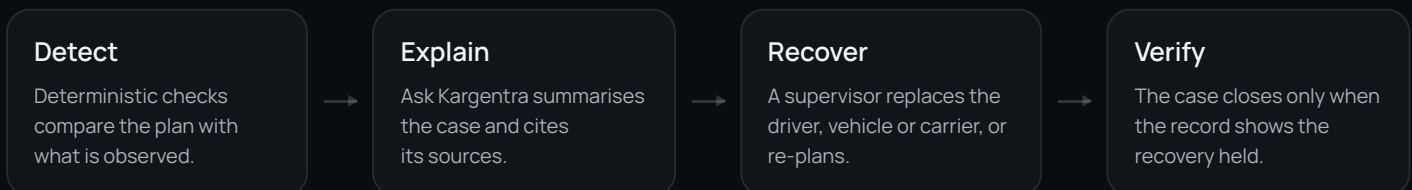
app.kargentra.com/exceptions

EXCEPTION CASE · SUPERVISOR · A DRIVER-HOURS CONFLICT WITH AN OWNER AND A NEXT STEP

app.kargentra.com/transportation/execution

LIVE EXECUTION · DISPATCHER · PLANNED WINDOWS KEPT DISTINCT FROM WHAT WAS OBSERVED

EXCEPTION RECOVERY, VERIFIED BY STATE



- Detects delivery risk, silent tracking, hours-of-service shortfall, route deviation, missing POD and partial delivery
- Every position labelled by its true source (driver device, telematics or ELD), with freshness
- A position never changes trip status; exact customer position is off unless the shipper enables it

THE NETWORK

Your partners work on the same record.

Carrier, customer and supplier portals and the driver app are part of the platform. Each party sees only what is shared with it, and every answer it gives lands on the record the shipper works from.

Carrier Portal

Quote, accept or decline tenders against frozen terms, nominate driver, tractor and trailer, and file delivery evidence. Accepting a tender accepts its amount; accepted is not yet booked.

Customer Portal

Place orders, answer proposed dates, track deliveries and download POD, then review invoices and dispute a single line with evidence.

Supplier Portal

PO ordered, ASN declared and warehouse received side by side. Suppliers answer discrepancies on the record; the warehouse owns the resolution.

Driver App

Offline-first stops, per-unit delivery outcomes, photo and signature proof. Device enrolment and a signed, identity-scoped queue sync when signal returns.



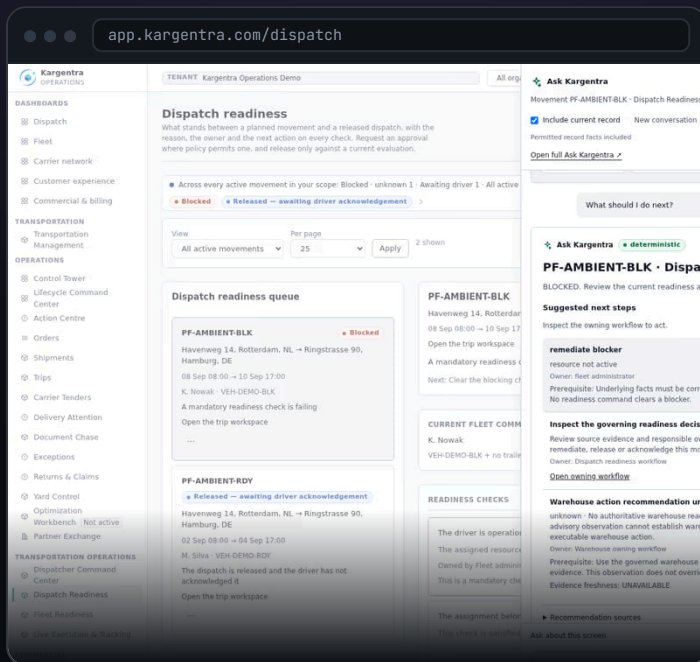
Collaboration Center

The Collaboration Center anchors every conversation, request and escalation to the order, load, PO, return or invoice it concerns. Internal notes stay internal, and never reach a partner or an AI summary.

ASK KARGENTRA · GOVERNED AI

AI that shows its work. People who sign it off.

Ask Kargentra sits on an always-on context layer across every operations, warehouse, carrier, supplier, driver and administration screen. It reads only what your role can open, cites every fact, and drafts the next step as a proposal for a named person to approve.



ASKED ON THE DISPATCH SCREEN

Why can TRIP-4410 not be released yet?

Two readiness checks fail. The trailer's insurance document expired on 12 October, and the assigned driver has 3 h 10 min of driving time left against a planned 4 h 05 min run. All other checks pass.

READINESS · INSURANCE · EXPIRED 12 OCT

DRIVER DUTY · ELD CONNECTION · READ 09:41

TRIP PLAN · DRIVE TIME 4 H 05 MIN

PROPOSAL

Reassign to an eligible driver and trailer combination, then re-evaluate readiness.

WAITS FOR APPROVAL · DISPATCHER

ASK KARGENTRA · DISPATCH READINESS · CITED ANSWERS, PROPOSALS ONLY

Ask

A question on any screen, about the record in front of you.

Cited answer

Facts from records your role can open, each with its source and freshness.

Proposal

The next step drafted, with the role that must approve it.

Named approval

Applied through the same governed action a person would use.

Recorded

Question, answer, proposal and approval on the audit trail.



Reads only permitted context

Records, fields and documents your role can already open.



Cites every fact

Each statement links to the field it came from.



Proposes, never executes

Re-sequences, re-tenders and updates are drafts.



A named person approves

Each proposal names the role that signs it off.



Tenant-governed

Each tenant decides whether and where AI runs.

What Ask Kargentra will not do

- No automatic external send to a customer, carrier or supplier
- No autonomous execution of a logistics action
- Never changes stock, money or status on its own
- Every deterministic journey completes with AI switched off

Governed by each tenant

Each tenant switches AI on per capability and chooses how far it goes. Every invocation is recorded as evidence, and the same journey always works with AI switched off.

OFF

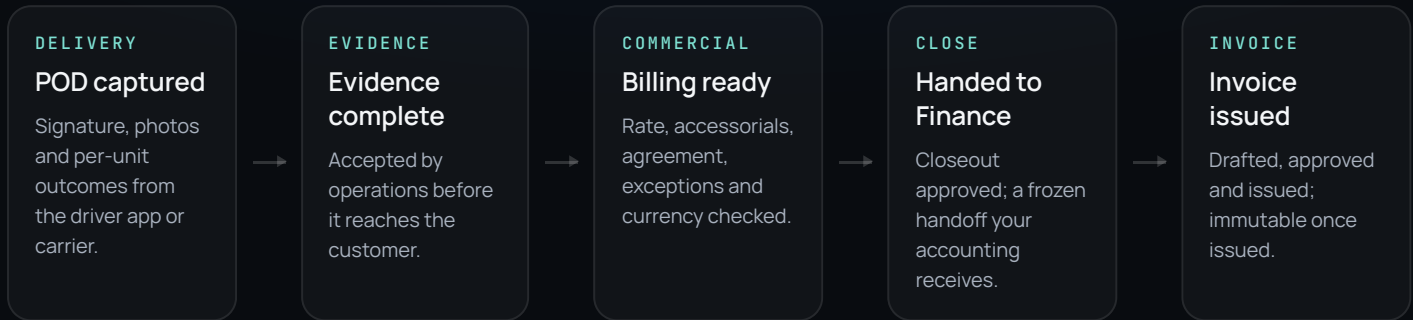
INSIGHT ONLY

DRAFT AND CONFIRM

DELIVERY-TO-FINANCE CLOSE

From proof of delivery to issued invoice.

Delivered work closes on the same record it was planned on. Evidence completes the delivery, billing readiness proves it can be charged, and invoices are built only from facts already handed to Finance: nothing is re-rated and no amount is typed.



THE MONEY FACTS, KEPT APART

Sell

Expected buy

Actual cost

Accessorials

Variance

Margin

Six recorded facts with their own names and provenance. A missing amount reads Not recorded, never zero, and currencies are never summed or converted.



Freight audit

Each carrier bill is matched to the tendered expectation and the cost you actually incurred. A variance opens a governed dispute, not an email chain.



Corrections that leave a trail

Issued documents are corrected only by credit note, supplemental invoice or debit note, each traced to its source.



Your issuance, your choice

Kargentra allocates the legal number and renders the invoice, or your accounting system issues it and Kargentra records the confirmation.



One position per 3PL client

Warehouse services, storage periods and transport roll up into one commercial engagement and one Finance handoff.

ONE DISPUTE LIFECYCLE, IN BOTH DIRECTIONS: CARRIER PAYABLES AND CUSTOMER RECEIVABLES



Kargentra closes delivered work to an issued invoice and a frozen Finance handoff. Ledger posting, payments and collections stay in your accounting system.

COMPOSE YOUR DEPLOYMENT

Start with the module you need. Grow into the operating system.

Run TMS on its own, WMS on its own, or the full platform, from one tenant. In the Process Composer an administrator decides who owns each of nine order-to-delivery stages, previews the effect for any role, and activates a new route version that new orders follow.



TRANSPORT TMS only

Plan, source, dispatch, track and close transport while orders and stock stay in your ERP and existing WMS.

TRANSPORT PLANNING TO DELIVERY
COMPLETION IN KARGENTRA



WAREHOUSE WMS only

Receiving, inventory, picking, packing and shipping in Kargentra, with orders from your ERP and transport handed to the system you use.

WAREHOUSE FULFILMENT IN KARGENTRA,
THE REST CONNECTED



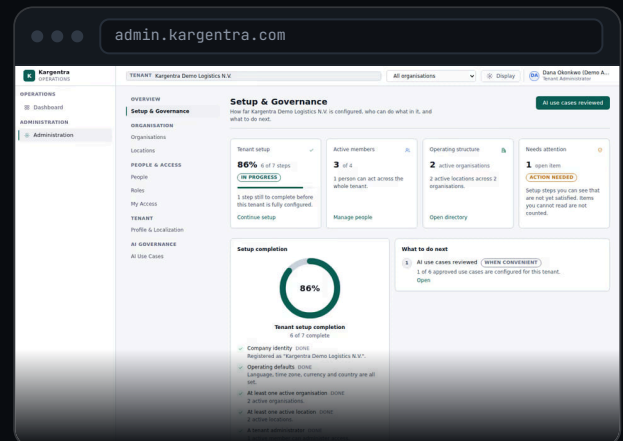
OPERATING SYSTEM Full connected

Order, warehouse, yard, transport, portals, driver app and finance on one record.

ALL NINE STAGES ON ONE RECORD

WHO RUNS EACH STAGE · ALLOWED OWNERSHIP MODES

STAGE	KARGENTRA	EXTERNAL, CONNECTED	EXTERNAL, BY HAND	NOT APPLICABLE
01 Order intake	●	●	○	○
02 Order acceptance	●	○	○	●
03 Warehouse fulfilment	●	●	●	●
04 Transport planning	●	●	●	○
05 Carrier sourcing	●	●	●	●
06 Dispatch release	●	○	●	○
07 Delivery execution	●	●	●	○
08 Delivery completion	●	●	●	○
09 Billing readiness	●	○	○	●



ADMINISTRATION · SETUP & GOVERNANCE

- One availability decision across subscription, stage ownership and module activation drives what the API permits, what the preview shows and what navigation renders
- An external stage refuses local writes, so two systems never both own it; what the external system reports is kept as observation

- Configuration Studio applies fields, forms, workflows and policies from versioned templates, previewed before they apply

- Onboarding readiness is derived from live facts, with an owner and a link for every blocker

• TRUST & SECURITY

Enterprise trust, built into the record.

Tenant isolation, least-privilege access, scoped sharing and verifiable evidence are properties of the platform, not settings you have to remember.

**Tenant isolation**

Forced row-level security in PostgreSQL beneath every controller check. A cross-tenant read returns a non-disclosing not-found.

**Least-privilege access**

Every API operation names its permission in a versioned contract. A control you cannot use names the permission it needs.

**Scoped, revocable sharing**

Owners share named records for a stated scope and period, see evidence of each access, and revoke from the next request.

**Hash-chained audit**

Business and administrative actions are recorded with actor, membership and correlation id, verifiable by hash.

**Sealed credentials**

Each connector secret is sealed with its own data key, bound to the tenant and connection, with a visible rotation fingerprint.

**Single sign-on**

Named people sign in through one standards-based OpenID Connect realm across every Kargentra application.

ACCESS FOLLOWS ONE CHAIN

ENTITLEMENT



PERMISSION



RECORD SCOPE



WORKFLOW STATE



UI VISIBILITY

• INTEGRATIONS

Connect the systems you already run.

Connector Hub runs each tenant connection end to end: store the credential, test, discover, map with versioned approval, sync, and inspect every exchange with replay. A resent message is recognised as a repeat, never applied twice.

**EDI X12 204**

Load tenders kept as evidence with control numbers and a hash.

**REST APIs**

Contract-first OpenAPI; each operation carries its permission.

**Signed webhooks**

Signed lifecycle events with governed replay of failed deliveries.

**Event streams**

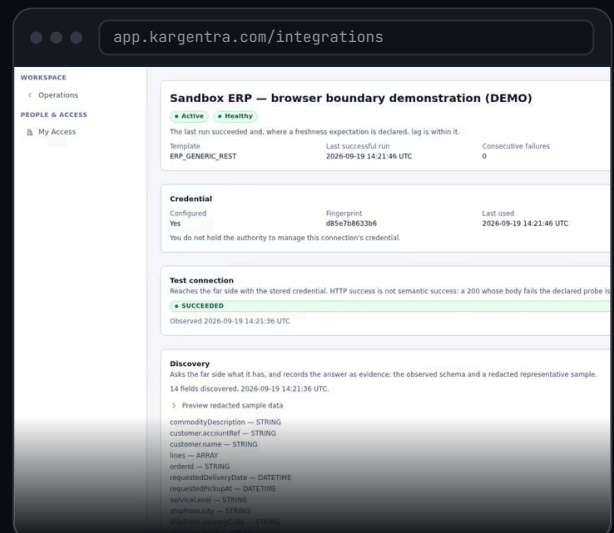
AsyncAPI-described events for status, milestones and exceptions.

**ERP connections**

Orders and master data in, status and confirmations back out.

**Maps and telematics**

Road routing proposals, vehicle positions and ELD duty status, each labelled by source.



CONNECTOR HUB · A HEALTHY ERP CONNECTION

• HOW WE WORK WITH YOU

Start with your own scenario.

Every engagement begins with your operation, not a slide deck. We work on a real lane, site or exception with your team, and you decide what Kargentra runs and what stays where it is.

01

A working session on your scenario

Bring a real lane, site or exception. We walk it through Kargentra with your team, from order to invoice.

02

Compose your deployment

Choose TMS-only, WMS-only or the full platform, and decide who owns each of the nine stages. Keep the systems that work.

03

Activate with your data

Import, profile, map and reconcile your source data to Ready for Pilot. Readiness is derived from live facts, with an owner for every blocker.

04

Pilot, then expand

Run real work on chosen lanes or sites, cut over stage by stage, and add modules as the operation is ready.

• TALK TO US

See Kargentra run your operation.

ENQUIRIES AND DEMO REQUESTS

info@kargentra.com

Write to us with your scenario and we will set up a working session with your team.

 WEBSITE

www.kargentra.com



EXISTING USERS SIGN IN app.kargentra.com

WHAT TO INCLUDE

- Company and your role
- Operations in scope (OMS, TMS, WMS, portals, finance)
- Regions and transport modes
- Preferred times for a working session

WHAT HAPPENS NEXT

We reply

A member of the Kargentra team answers from info@kargentra.com to agree the scenario and a time.



We work your scenario

A working session with your team on your lane, site or exception, on real Kargentra screens.



You decide

A deeper session, a pilot scope, or nothing further. There is no obligation at any step.