



QAD | Redzone

QAD Multi-Carrier Parcel Shipping (MCPS)

The parcel execution layer between planning and delivery

1B+
TRANSACTIONS
PROCESSED

5,500+
CARRIER
NETWORK

— WHAT IT IS

The parcel execution layer between planning and delivery

Most transportation problems don't live in the plan. They live in the moment a shipment leaves the dock — when a carrier is picked by habit instead of logic, when a label takes five seconds to generate instead of one, when a warehouse team upgrades to overnight because it feels safer than checking.

QAD Multi-Carrier Parcel Shipping (MCPS) is the transportation execution engine that controls those moments at scale. It sits at the final stage of the fulfillment process and automates carrier selection, rate shopping, label generation, shipment tracking, and freight audit across thousands of daily transactions — without adding headcount or system complexity.

MCPS (Multi-Carrier Parcel Shipping) has processed over 1 billion transactions globally. It is designed for mid-market to large enterprises with high shipment volumes, complex carrier networks, and demanding throughput requirements.



— THE PROBLEM

Where freight costs actually go

Carrier contracts are negotiated. Rates are benchmarked. Yet the transportation budget keeps climbing. For companies shipping 10,000+ parcels annually, 3–5% of annual freight spend is typically driven by execution behavior — not carrier pricing.

The problems are not in strategy. They are in the dock, the packing station, and the invoice — repeated thousands of times a day.

Six ways execution erodes the freight budget



Premium speed, unnecessary cost

Teams default to expedited services "just to be safe." Ground shipments become overnight. Cost leaks shipment by shipment.



Carrier selection by habit

Staff pick the carrier already open on screen or the one used last time. No real-time rate comparison. No consistent logic.



Fragmented systems

Parcel tool here. ERP there. Carrier portal on a third screen. No single view. Errors multiply. Freight data is scattered.



Visibility arrives too late

Monthly reports surface patterns after thousands of bad decisions have been made. You can see the cost. You can't fix it retroactively.



Compliance overhead

Carrier labeling rules change. Cross-border documentation errors cause delays. Manual compliance work scales poorly at volume.



Freight invoice overcharges

Carrier invoices rarely match original quotes. Without automated auditing, overcharges go undetected and unrecovered.

— WHAT IT DOES

Core capabilities

MCPS automates the complete shipping execution workflow — from the moment an order is ready to ship through final delivery confirmation and invoice validation.

Carrier selection

Automatically picks the best carrier and service level based on rates, routing, transit times, and business rules.

Rate shopping

Calculates real-time costs across 300+ global carriers to surface the most cost-effective option per shipment.

Label generation

Creates carrier-compliant shipping labels in under one second. Supports multiple languages and currencies for global operations.

Carrier connectivity

Transmits shipment data electronically to carriers. Maintained and updated by QAD when carriers change requirements.

Shipment tracking

Real-time milestone tracking and exception alerts across all carriers from a single interface.

Freight audit and pay

Validates carrier invoices against shipment records. Identifies discrepancies, unauthorized charges, and overcharges automatically.

Address verification

Verifies delivery accuracy across 249 countries and territories before shipments leave the facility.

Direct injection

Zone skipping for cross-border shipments speeds delivery and reduces customs delays and costs.

Also covers

LTL shipping · Desktop shipping · Delivery exception management

Throughput

Millions of shipments per year without architecture changes

Coverage

249 countries and territories for address verification

— HOW MCPS IS DIFFERENTIATED

Built for parcel execution

QAD does not compete in Transportation Management Systems. MCPS is purpose-built for parcel and small shipment rate optimization and execution — the layer where carrier selection, label generation, and shipment execution happen at speed and scale. This focus is deliberate. It is also a competitive advantage.

CONNECTIVITY

5500+

CARRIERS

Global express networks and regional specialists across every major market.

SPEED

<1s

LABEL GENERATION

No bottlenecks at the packing station or dock, even at millions of shipments per year.

SCALE

1B+

TRANSACTIONS

Proven deployments with 3PLs and global manufacturers processing millions of shipments annually.

This combination — breadth of carrier connectivity, sub-second execution speed, and proven scale — defines where MCPS operates and why organizations with high-frequency, high-volume parcel needs choose it over broader TMS alternatives that carry planning overhead they do not need.

MCPS connects with TMS. For organizations already running a Transportation Management System — including Oracle OTM — MCPS integrates directly as the parcel execution layer, extending TMS capabilities without replacing them. While the TMS handles network optimization, load planning, and freight mode selection, MCPS takes over at the point of parcel execution: rating across 300+ carriers in real time, generating compliant labels in under a second, and transmitting shipment data electronically. The two systems complement each other by design — TMS drives the strategy, MCPS executes at the dock.

— BUSINESS OUTCOMES

What it changes

MCPS is not a cost center management tool. It is a growth enabler. The strongest outcome is not cost reduction — it is enabling operations to scale without scaling headcount.

10–15% FREIGHT COST REDUCTION	<1wk CARRIER ACTIVATION	1B+ TRANSACTIONS PROCESSED	5,500+ GLOBAL CARRIER NETWORK
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One QAD customer believed they needed a new \$30M distribution facility to handle growth. After optimizing MCPS configuration — reducing transaction processing time from 6 seconds to 1 second — throughput increased enough to eliminate that investment entirely.

"It is our intention to roll out QAD across the entire TVH Group, printing transport labels for more than two million shipments per year... The more shipments we process, the less the cost per shipment will be."

— Herbert Sercu, Corporate Traffic Manager — TVH Parts

— WHO IT IS FOR

Target market and buyers

MCPS is built for organizations with high shipment volumes where execution complexity — not planning gaps — is the primary cost driver.

- Mid-market and large enterprises shipping 10,000+ parcels annually
- Global manufacturers, distributors, and B2B shippers
- Operations managing multiple warehouses, distribution centers, or packing stations
- Companies running Oracle OTM or other ERP/TMS platforms that need a stronger execution layer

Why parcel execution and compliance belong together

At manufacturing scale, parcel shipping is not a domestic convenience. It is a high-frequency international trade event. Every cross-border shipment carries real compliance exposure — and the volume of those shipments means that exposure compounds daily.

QAD pairs MCPS with its Global Trade Compliance (GTC) capability specifically because the risks are embedded in execution, not in planning. The integration is not an add-on. It is architecture.



GLOBAL TRADE COMPLIANCE

Restricted Party Screening, Export Management, Import Management, Continuous Screening.

Primary buyers: compliance leaders, global trade managers, customs teams.

MULTI-CARRIER PARCEL SHIPPING

Transportation execution, carrier selection, rating and routing, label generation, shipment processing.

Primary buyers: logistics leaders, distribution and warehouse ops, transportation managers.

Together, GTC and MCPS form a closed-loop platform — every shipment screened, every label compliant, every invoice audited. Neither product delivers this alone. The integration is the differentiator.

Carrier Activation Portal

Faster carrier activation. Full status visibility. Powered by AI.

Activating a carrier at a new warehouse, distribution center, or packing station used to require specialist knowledge, manual XML configuration, and a constant email back-and-forth that left customers with little sense of where a request stood. The Carrier Activation Portal replaces all of that with a guided UI and full status visibility: customers can see at a glance whether QAD is waiting on information from the carrier or actively working to complete the activation. The result is greater transparency, easier communication, and faster carrier activation.

With AI now generating much of the carrier code, full carrier activation — from request to completion — takes less than one week.

Faster time to ship

New warehouses and DCs come online with carrier connectivity in days, not weeks.

Greater visibility

Customers see where every activation request stands, without needing to contact QAD support.

Lower friction for growth

Scaling a carrier network across new locations no longer requires engineering resources on either side.

The Carrier Activation Portal is part of a broader AI-enabled roadmap. AI-generated carrier code already accounts for 30–35% of new carrier onboarding work, with a target of 60%. More automation, less tribal knowledge, faster time to market for every new carrier or location a customer needs.

Let's Talk