sendflex
TECHNOLOGY

Sendflex Parcel TMS Simulator

Developers have sandboxes to test new technology. Finally, using Sendflex parcel TMS, logistics managers can simulate the cost and delivery impact of new parcel strategies.

FEATURE BRIEF

"

What if I had used a regional carrier last year? How would it have impacted costs and delivery times?

"

Will I save money by changing my mix of carton sizes?

"

How will a carrier's GRI and surcharges actually impact my total cost?

"

How can I avoid unexpected surcharges?

"

What if I had shipped some of my peak season orders from a Reno fulfillment center?

"

How much money could I actually save by zone skipping?

"

Would using a 3PL fulfillment service in this region reduce costs?

"

What if I don't hit my tiered incentive?

Rerun historical shipping transactions using different "what if" carrier rating, routing, and fulfillment assumptions

Automation without intelligence is not enough to navigate today's increasingly complex and dynamic parcel shipping environment. You need data-driven decision-making throughout your order fulfillment-to-delivery process.

But your first step is to prove what impact decision criteria will have on cost and performance objectives. That's where Sendflex parcel TMS come in, with a Simulator feature that provides critical insights in just 5 steps:

1. Select Shipping History

Simulator lets you apply different assumptions against historical shipping data to test and compare "what if" scenarios. Use Sendflex shipping history or import shipping data from your own OMS, TMS, WMS, or shipping systems.

2. Import Carrier Rates

Instead of relying on slow and unreliable carrier rating APIs, Sendflex features an on-board, high-speed rating, time in transit, and routing engine capable of processing 20k instructions and rates per second. Import your carrier contract rates and immediately measure shipping cost impact.

3. Configure Decision Instructions

Use no-code wizards to configure decision instructions based on a wide range of criteria including preferred carrier services, delivery promises, shipment attributes, carton sizes, packing rules, pickup limits, carrier performance, customer preferences, rate mark ups, and more.

4. Run and Compare Simulations

Sendflex reprocesses historical data, applying decision instructions and recalculating cost and delivery metrics based on alternative rates. Sendflex outputs transaction details and analytic summaries. Compare the results against the actual shipping history or other simulations.

5. Implement Execution Processes

Once you have determined how to optimize your parcel shipping strategies using simulations, apply those same instructions during quoting, order allocation, fulfillment, and shipping processes. Easily modify simulation assumptions as your business requirements change.

WHO BENEFITS?

Shippers

Omnichannel fulfillment, carrier diversification, and increasingly complicated rate and surcharge structures have made parcel shipping very complex.

Simulator enables logistics managers to fine-tune decisions about where, when, and how to use carrier services to optimize cost, capacity, and delivery performance.

3PLs

Simulator can help 3PLs objectively prove the savings shippers will realize by using their outsourced logistics and transportation services.

Consultants

Shippers contemplating any new supply chain solution deployment must provide management with a compelling business case for return on investment. Simulator helps consultants add a transportation ROI to their business case.

Transportation Service Providers

Shippers are often risk-averse when it comes to diversifying their carrier network. They wonder what the risk of deployment will be to their primary carrier relationship.

Simulator takes the guesswork out of determining the impact of using a new carrier service, using granular routing rules to show the impact of incremental improvements.

sendflex
TECHNOLOGY