

# Case Study: AI-Powered Data Automation in Logistics & Supply Chain

*A complete solution for your business!*

## CLIENT OVERVIEW

A regional logistics provider specializing in freight forwarding and last-mile delivery across the Southeast U.S. The company managed over 500 daily shipments for small and mid-sized businesses, relying heavily on spreadsheets to track deliveries, reconcile invoices, and manage carrier data.

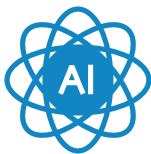
## CHALLENGES

The client's operations team struggled with large volumes of Excel and CSV data from multiple carriers, vendors, and customers:

- 60% of team time spent consolidating shipment data across 15+ different carrier formats.
- Manual processes led to frequent errors in delivery reconciliation and billing.
- Managers lacked real-time visibility into delayed shipments and cost overruns.
- Leadership wanted to scale shipping volume by 25% without expanding headcount.

## OUR RECOMMENDATION & APPROACH

We implemented an AI-driven Data Processing & Workflow Automation Platform to streamline logistics operations:



### AI-driven data processing:

Implementing AI algorithms to automatically extract and process data from various sources.



### Data transformation:

Standardizing and cleaning the data to ensure accuracy and consistency.



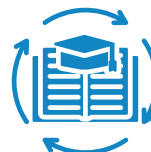
### Excel automation:

Automating repetitive tasks within Excel to reduce manual effort.



### Anomaly detection:

Identifying and flagging unusual patterns or errors in the data.



**Pilot program:** A phased approach to implement the solution, starting with a small-scale pilot to demonstrate value and refine the implementation strategy.

# Case Study: AI-Powered Data Automation in Logistics & Supply Chain

## BENEFITS



1

### Significant Time Savings

- Reduced manual workload from 60% of staff time → just 15%, freeing the team to focus on higher-value tasks like client communication and shipment planning.
- Invoice and shipment reconciliation accelerated from 3-4 days → only 6 hours.

2

### Improved Accuracy & Reduced Errors

- Automated validation eliminated most human mistakes, leading to a 65% drop in billing disputes.
- Customers experienced faster, more accurate invoicing - improving satisfaction and reducing churn risk.

3

### Scalable Operations with Cost Impact

- Enabled the company to handle 30% more shipment volume without adding new staff.
- Caught duplicate charges and hidden fees, recovering \$180,000 annually - directly boosting profitability.

## Key metrics

"AI automation reduced manual effort and turned reconciliation into a fast, seamless process."



**60% → 15%**

Manual data prep dropped



**3-4 DAYS → JUST**

**6HR**

Reconciliation speed improved

## WHERE WE ENDED

The client expanded the solution to:



### Predictive Delivery Analytics -

forecasts potential shipment delays before they occur.



### Automated Vendor Audits -

identifies overcharges and duplicate carrier fees.



### Custom Leadership Dashboards -

provides real-time visibility into shipments and costs.



[www.sthenostechnologies.com](http://www.sthenostechnologies.com)

Ph # (703) 945 - 5300

Within 12 months, the company achieved a 4x ROI, improved accuracy, and positioned itself for rapid growth - all while reducing staff burnout from repetitive spreadsheet work.