



connected data turns waste + recycling gaps into operational efficiency

Unlock enterprise-wide
visibility, faster decisions,
and a platform built to scale.



the starting point: pressure on profitability

| **Waste and recycling performance is built
on a long, interdependent value chain.**

For Tier-1 waste and recycling enterprises, margin pressures never subside.

Customers demand attention, labor is stretched thin, and fuel costs swing unpredictably. In addition, contamination and exceptions in waste streams silently eat away at margins.

There's a fine line between profit and loss.

Meanwhile, missed overfills, miscategorized loads, and unplanned downtime add operational headaches, creating hidden profit leaks. Downtime inevitably turns into overtime and productivity losses stack up.

For one Tier-1 operator, these issues combined into a constant drag on profitability. That's why they turned to AMCS to automate the processes that protect performance, margins, and people.

“

We knew where the losses were happening, but we just couldn't see them fast enough to stop them.”

the shift: purpose-built automation that enhances margins

The operator needed a connected intelligence to spot problems early, cut manual drag, and safeguard margins automatically.

We delivered that shift with AI and automation embedded across operations:

- **Exception detection:** Vision AI, sensors, and in-cab devices that flag overfills, contamination, and service exceptions automatically, turning hidden leakage into captured revenue.
- **Route and dispatch automation:** Dynamic scheduling to optimize loads, balance labor, and reduce overtime, keeping fleets productive and on the road.
- **Frontline apps:** Simple tools for drivers and crews that replace paper with real-time

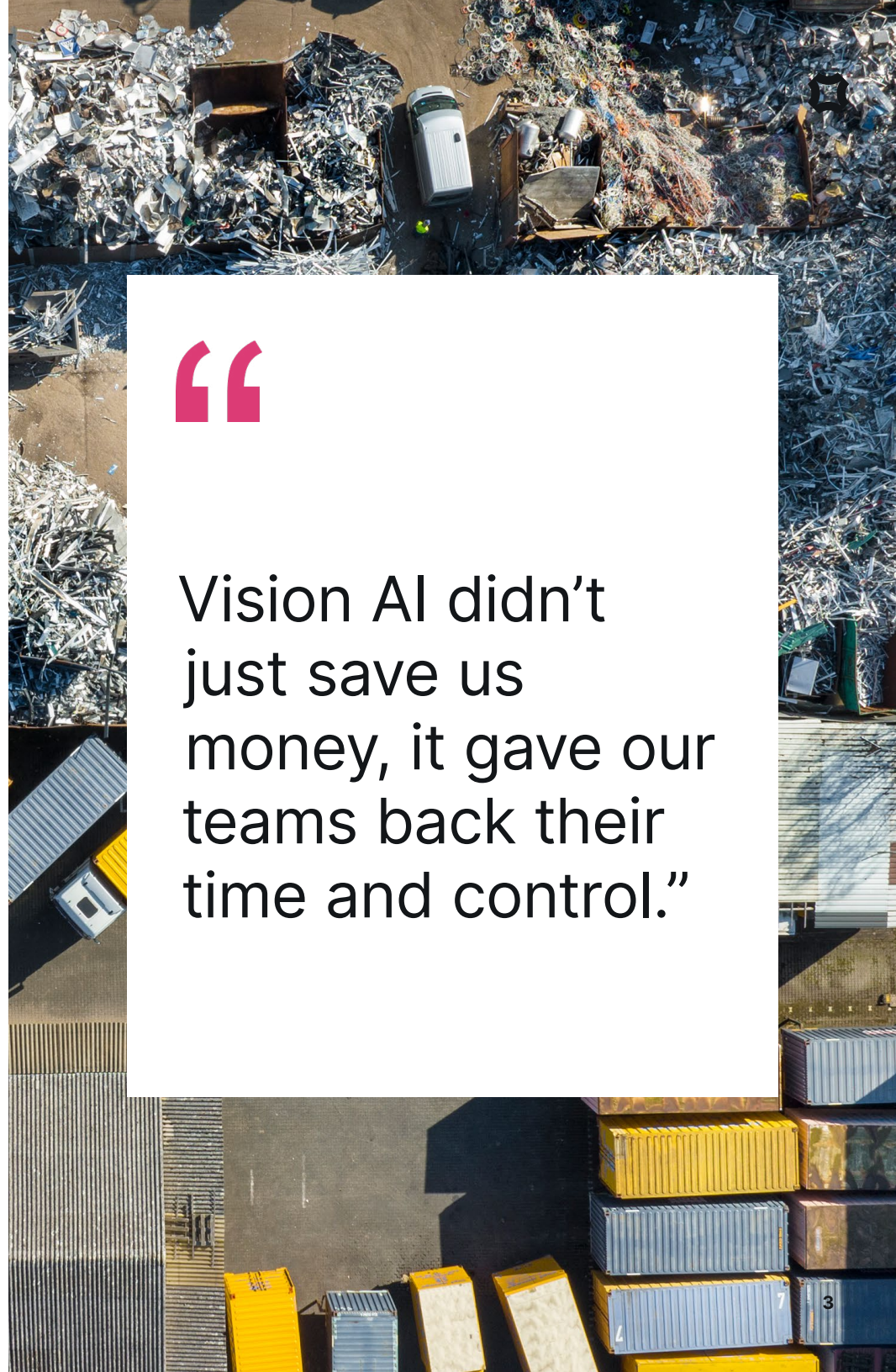
reporting, covering everything from missed lifts to safety incidents.

- **Operational dashboards:** For live visibility into throughput, uptime, and productivity metrics, connected across fleets and facilities.
- **Workflow automation:** With manual touchpoints minimized to reduce errors and accelerate processes.

The transformation meant fewer blind spots, faster fixes, and a workforce freed from low-value work. Safety issues are logged automatically, contamination is flagged before it escalates, and operations run leaner, and stronger.

“

Vision AI didn't just save us money, it gave our teams back their time and control.”





the results: performance gains that protect profitability

With automation in place, the impact was felt across every level of the business.

- **Up to 40% reduction in contamination:** Stronger commodity values, fewer disposal costs, and reduced fines.
- **10%+ increase in driver productivity:** More collections per shift and less downtime.
- **30% increase in dispatcher efficiency:** Smarter scheduling with fewer manual bottlenecks.
- **20% reduction in callbacks and rework:** Fewer missed lifts, and fewer customer complaints.
- **Lower driver overtime costs:** Balanced loads, and optimized routes.
- **40% increase in safety reporting:** Driving a 15% reduction in safety incidents over time.

For the COO, automation meant efficiency, profitability, and resilience. Every new exception captured, every minute of uptime protected, and every process automated was translated into margin protection at scale.



up to 40% reduction in contamination

↓ 40%



increase in driver productivity

↑ 10%



increase in dispatcher efficiency

↑ 30%



reduction in callbacks and rework

↓ 20%

why it matters: a COO's perspective

Today's challenge is far trickier than just doing more with less. It's about protecting margins in an environment where every inefficiency and every delay hits the bottom line. Hidden error drains profitability.

AI and automation can flip the equation, allowing you to:

- Enhance margins by capturing value from contamination and exceptions.
- Improve uptime with automated scheduling and fewer manual bottlenecks.
- Maximize labor impact by boosting driver and dispatcher productivity.

- Reduce risk with better safety reporting and fewer incidents.
- Strengthen customer trust by delivering more reliable, transparent services.

In a sector where margins are being squeezed, hidden loss recovered can be turned into pure value. Automation makes it possible.



Without the automated system handling our complex scheduling, we would probably need three times as many planners.”

THE TAKEAWAY



Turn visibility into margin protection



When automation protects your margins and builds resilience, blind spots disappear.

With AMCS, contamination and overfills are intercepted before they drain value. Labor is deployed where it matters the most. Uptime is protected and safety is embedded into daily operations.

It's time to stop leaving value on the table

If you're still relying on manual processes and incomplete data, it's time to put AI and automation to work.

Discover how AMCS automation keeps the world's leading operators profitable, safe, and resilient.



from hidden
risks to safer,
smarter
operations

the starting point: safety and efficiency feeling the heat

In Tier-1 waste and recycling enterprises, safety and efficiency are the fundamentals of survival.

With fleets numbering in the thousands, facilities running around the clock, and contracts worth billions, even small gaps can cost millions.

Yet data often arrives late or incomplete. Paper forms, under-reported incidents, and siloed systems mean COOs are forced to manage risk reactively, responding after the damage is done.

Meanwhile, contamination, overfills, and downtime quietly drain value.

For one North American Tier-1 operator, the cost of poor visibility was too high. They turned to AMCS to make safety visible, eliminate inefficiencies, and protect margins at scale.

“

We were reacting to incidents instead of preventing them. Paper reports arrived days late and by then the damage was already done.”

the shift: building a better backbone

Incremental fixes weren't enough.
The operator needed a platform where safety,
performance, and profitability worked together.

AMCS delivered that shift with real-time data and automation:

- **Frontline safety apps:**
Mobile tools replace paper checklists. Crews log incidents, inspections, and near-misses instantly, giving managers live visibility.
- **Telematics and diagnostics:**
Vehicle data captures driver behavior and mechanical diagnostics, turning risk into actionable insights.
- **Vision AI:**
Onboard cameras detect contamination and overfills automatically, flagging issues drivers often miss and creating a defensible record.
- **Connected dashboards:**
Real-time oversight across fleets and facilities, with safety KPIs, contamination rates, uptime, and efficiency trends in one view.
- **Automated workflows:**
Safety alerts, inspection failures, and contamination events trigger immediate action, reducing response times and closing the loop fast.

“

Now, we spot risks before they become problems. Safety events, contamination, even driver fatigue. It all shows up in real time.”



the results: safer, leaner, more profitable operations

With safety and efficiency embedded into the backbone, the results were clear, measurable, and repeatable.

Safety reporting rose, inefficiencies were exposed, and the COO and their team could see exactly where risk was building and act before it escalated.

- **40% less contamination:** Stronger commodity values, fewer fines, and reduced disposal costs.
- **20%+ increase in recycling rates:** More value recovered, better operational outcomes.
- **15% fewer safety incidents:** Proactive prevention at the source.
- **50% reduction in harsh braking and acceleration events:** Safer drivers and lower insurance exposure.
- **10% reduction in accidents:** Fewer claims, less downtime, and fewer costs.
- **Overfill detection doubled:** Revenue captured from unbilled services.
- **20% reduction in fuel use and emissions:** Lower costs and greener operations.

For the COO, the gains were immediate. Operations ran smoother, crews were safer, and inefficiencies that once drained profitability were eliminated.



increase in recycling rates

↑ 20%



fewer safety incidents

↓ 15%



reduction in harsh braking and acceleration events

↓ 50%

why it matters: a COO's perspective

Safety and inefficiency drain profitability, expose a business to risk, and undermine customer confidence.

With AMCS, AI-driven automation and real-time data build stronger foundations.

- Protect people by embedding safety into daily operations.
- Eliminate inefficiency by exposing hidden leaks.
- Defend margins by capturing missed revenue.
- Increase uptime by automated checks and faster responses.
- Build resilience by scaling safety and performance across fleets and facilities.

“

We've never had this much visibility on safety and operations, and it has revitalized our culture.”

THE TAKEAWAY



Stronger operations start with visibility



When safety and efficiency are built into the backbone, they become a source of strength.

With AMCS, safety issues surface instantly, inefficiencies are caught before they spread, and every process, from frontline inspections to fleet operations, runs with transparency and control.

It's time to turn safety and efficiency into your strongest advantage

Protect your people and your margins with automation that keeps the world's leading operators safer, sharper, and more resilient. Discover what AMCS can do for your business.

FROM HIDDEN RISKS TO SAFER, SMARTER OPERATIONS

the choice is simple: keep treating sustainability as overhead, or make it your engine for growth

**The leaders have already chosen.
And you can join them.**

Let's talk about how you can combine
performance and sustainability to build
into a lasting advantage.

GET IN TOUCH TODAY

