

AMCS Platform

Winter 2023 Release Highlights



AMCS Platform: Building for change and innovation – transforming the user experience, driving agility, automation and insights

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Overview: The AMCS Platform Winter 2023 Release

Digital Transformation to ensure your business can thrive in an era of continuous digital change.

This document contains a summary of the key feature highlights of this release including:

- Winter Release Overview – Key Themes
- Key Feature Highlights and Customer Business Value

The AMCS Platform Winter 2023 Release demonstrates our continued commitment to a digital transformation that drives increased productivity, efficiency, and margins for our customers. What does digital transformation mean to the AMCS Group? It involves continual customer-led growth and leveraging leading technologies (e.g., AI (Artificial Intelligence), IoT (Internet of Things), UX) in the AMCS Platform and its User Experience. The goal? Simplify, streamline, and automate processes to ensure our customers enjoy the highest levels of sustainability and business performance to thrive in a world of continuous digital change.

Summary of the four key Winter 2023 Release themes

Theme 1: Transforming Transport to deliver safety, savings, and sustainability

Achieve maximum staff and vehicle productivity, greater sustainability, and safer outcomes.



- The **Master Route Management** and **Transport Validation** modules transform the planning and review process with higher automation, control, and insights using the advanced Platform UX.
- The **Smart Inspection solution** digitizes vehicle inspections and triggers work orders in Fleet Maintenance for any repairs, maximizing fleet efficiency, safety, and uptime.
- The **IoT based telematics connector** will drive cost effective preventive maintenance programs in Fleet Maintenance.
- An embedded **CO² calculator** simplifies fleet carbon emissions measurement and reduction to optimize route planning.
- Experience enhanced **Vision AI for automatic safety incident** detection from video streams.

Say hello to an efficient, sustainable, and safe fleet!

Theme 2: Boost the productivity and efficiency of your Finance team through superior user experience and automation



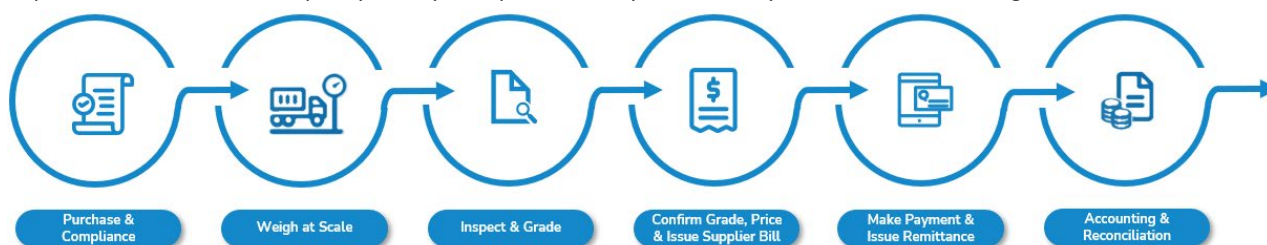
Transform your finance function with great automation.

- Our digital transformation upgrades include an **expanded price hierarchy** that optimizes price automation and boosts margins.
- We have improved **electronic delivery of financial documents** (e.g., debit notes, proof of service etc.), allowing for faster payments.
- We have implemented automation of **supplier price management** to reduce administration costs and introduced new digital payment options including **EFT (Electronic Funds Transfer) for Canada**.

These innovations deliver greater automation, deeper insights, and higher margins. Do not be left behind - embrace the power of digital financial transformation today.

Theme 3: Maximize speed of service at scale and digitize material inspection in the yard

Improve control of material quality, safety, compliance, and yard efficiency and service with a range of new innovations.



- **Reduce scale ticket entry time** and maximize service to ensure repeat business from casual and peddler accounts.
- **Turn your scale into a point of sale** with new payment options including an integrated **AMCS Pay PoS** terminal for efficient payment acceptance for billable inbound materials and sale of finished products.
- Improve the quality of your material as well as its safety and compliance with **new automated workflows to swiftly inspect and manage sensitive and quarantined material**.
- Detailed **grading** variance documentation can be emailed to suppliers to support price claims.

These enhancements increase scale and yard operational efficiency, improve material quality, safety and ensure regulatory compliance while protecting margins.

Theme 4: Make smarter data- driven decisions with the AMCS OData Connector

Introducing our new **AMCS OData Connector**, -the secure, and effortless way to access all AMCS Platform data for smarter, data-driven decision making. This OData Connector delivers enhanced enterprise self-serve business analytics and data warehousing strategies.



Currently being piloted with select customers, OData will be on general release in early 2024. Enjoy secure and easy data access to enable smarter data-driven decision making.

And more...

There are a host of other innovative new features and enhancements in this release not listed in this summary document and these are available to view in the User Guides on the [Customer Support Portal](#) (requires log in credentials).



"AMCS Platform is a modern, future proof solution that will drive benefits for our municipal partners, customers, and staff alike. Service will be enhanced with a 360-degree view of all customer interactions as well as extensive self- service features available 24/7 on a new portal. The move to a scalable, SaaS based solution ensures that we have the agility and security to grow our business, supported by a streamlined and modern IT architecture"

—Dick Jansen, Chief Financial Officer, **Meerlanden**

Theme 1: Transforming Transport to deliver savings, sustainability, and safety

The process of transforming Transport to the advanced Platform User Experience continues in this release. Two new work centers are transformed, there are major enhancements to AMCS Fleet Maintenance with the launch of the Smart Safety mobile app, and there is a new telematics connector and a new carbon emissions calculator embedded in Route Planner.



New Master Route Management work center

A Master Route (MR) is a sequenced list of stops for a specific material (e.g., Organic Waste) and vehicle type (e.g., FEL (Front End Load)) which reoccurs at a defined interval (weekly, bi-weekly etc.).

Name	Day	Route No.	Visits	Total Driven
Mon - MSW	Monday	101	727	262.429km
Tue - MSW	Tuesday	201	899	0km
Thursday - ...	Thursday	401	0	0km
Wed - MSW	Wednesday	301	1025	143.857km
Friday - MSW	Friday	501	0	0km

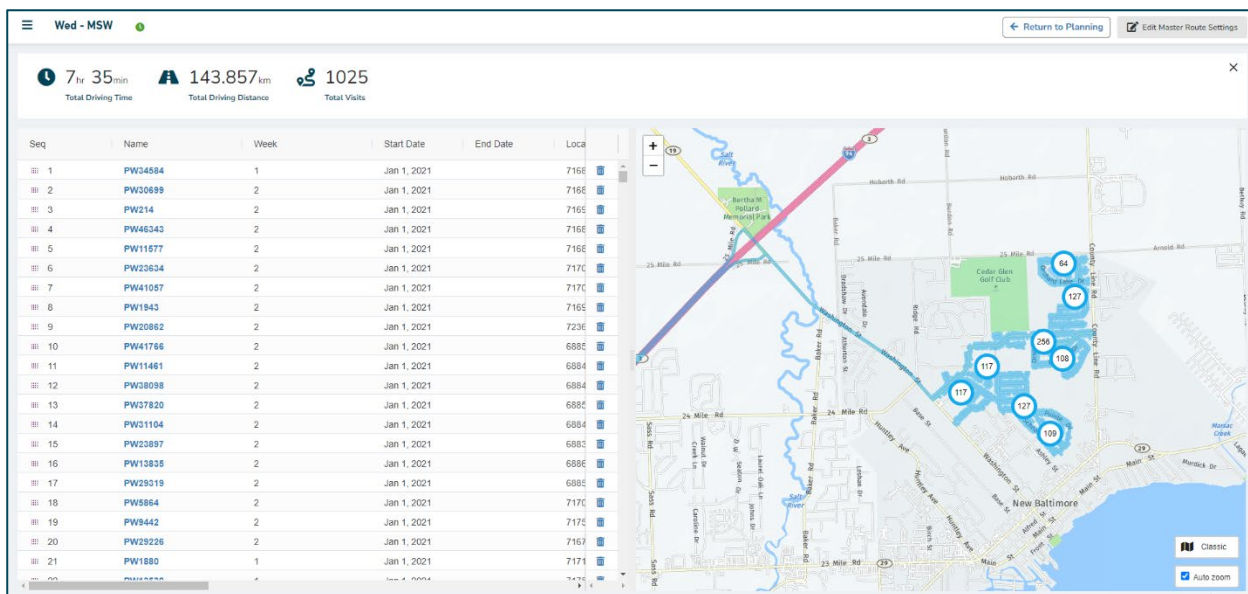
Screenshot: Order View to Select best Route

It refers to round work which can be commercial C&I (Commercial & Industrial) or municipal/residential. Planners can periodically build master routes, add/deleting new recurring visits to routes, and (re)sequencing visits on a route.

A **MR template** is a guide that allows the automatic generation of a route plan for a specific day. It builds this route for the orders that need to be serviced based on the MR template and excludes from the route any list of stops that are not valid (e.g., on credit stop, service vacation, PO (Product Owner) expired etc.).

The new Master Route Management work center has been transformed for the Platform UX, including a modern, responsive interface, improved digital mapping functionality and new analytics support to allow planners to filter, group and sort data

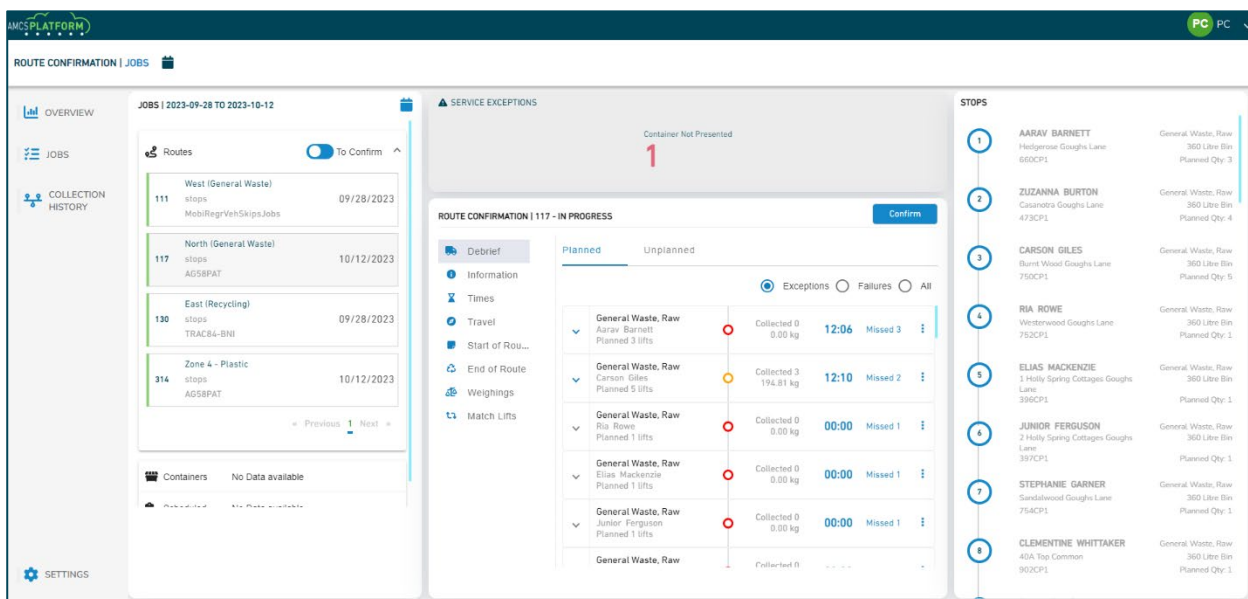
such as routes and visits. It allows users to avail of the features and benefits of our Master Route Optimization suite (via a separate subscription) for periodic route optimization.



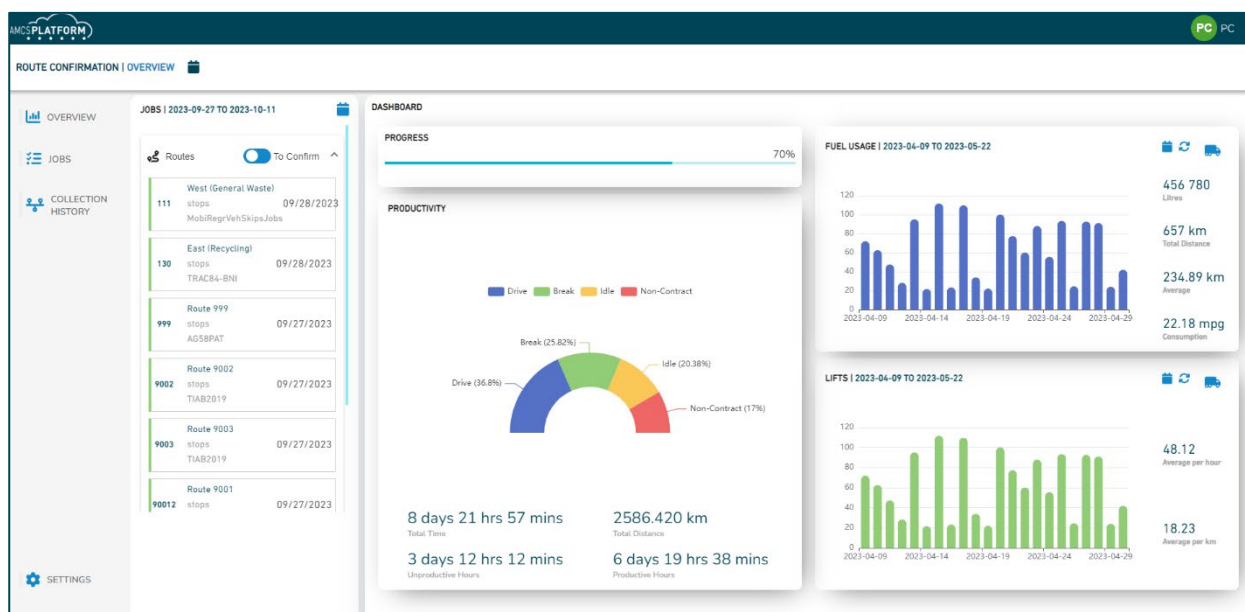
Screenshot: Master Route View

New Transport Validation work center

This new work center (available January 2024) has been transformed to take advantage of the Platform user experience. The initial delivery available in January focusses on commercial route work only and provides a means to view high level summary KPIs (Key Performance Indicators) (e.g., planned vs. actual) with the ability to drill down to exceptions requiring corrective actions. The transformed intuitive user experience makes it easy to complete route validation and to identify and resolve exceptions, thus protecting against revenue leakage.



Screenshot: Transport Validation- Commercial Route Confirmations



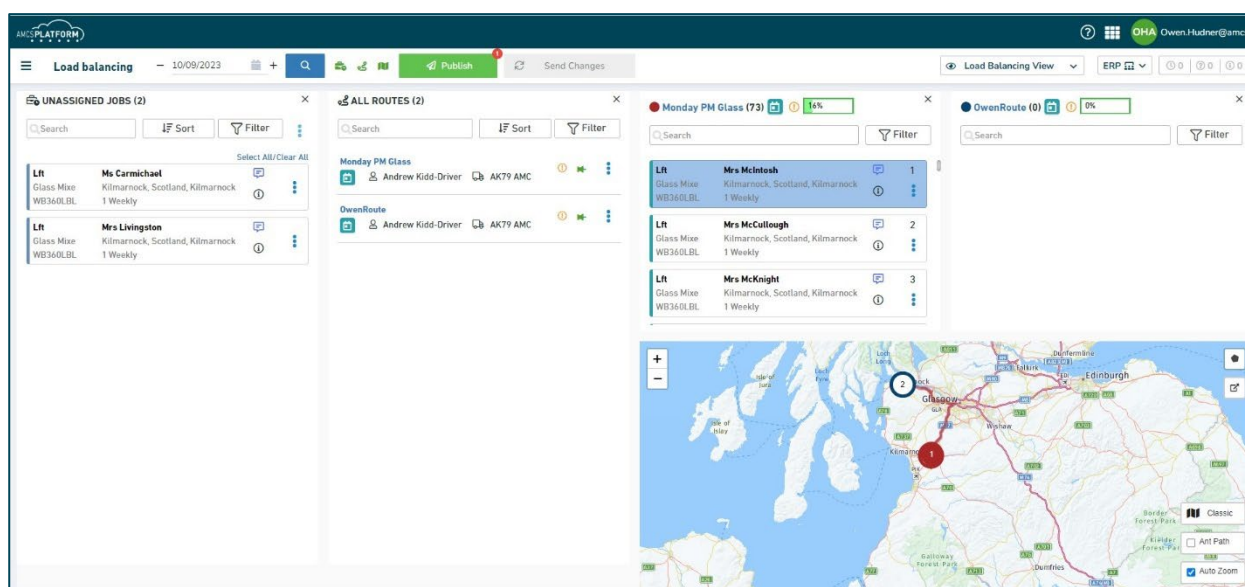
Screenshot: Transport Validation – Commercial Route KPI (Key Performance Indicators) Dashboard

Enhancements to Smart Dispatch

Enhancements include the following highlights for Roll-Off jobs.

Improved control of stacked containers and trailer jobs

When planning scheduled (Roll-Off or Skip) trips with multiple jobs (drop, exchange, return), the dispatcher has new controls to allow for container stacker only for appropriate container types (e.g., no stacking for Roll-Offs.) This allows the dispatcher to plan more accurately where there are possibilities to stack containers.



Screenshot: Load Balancing View

Re-allocation of skipped or rejected jobs.

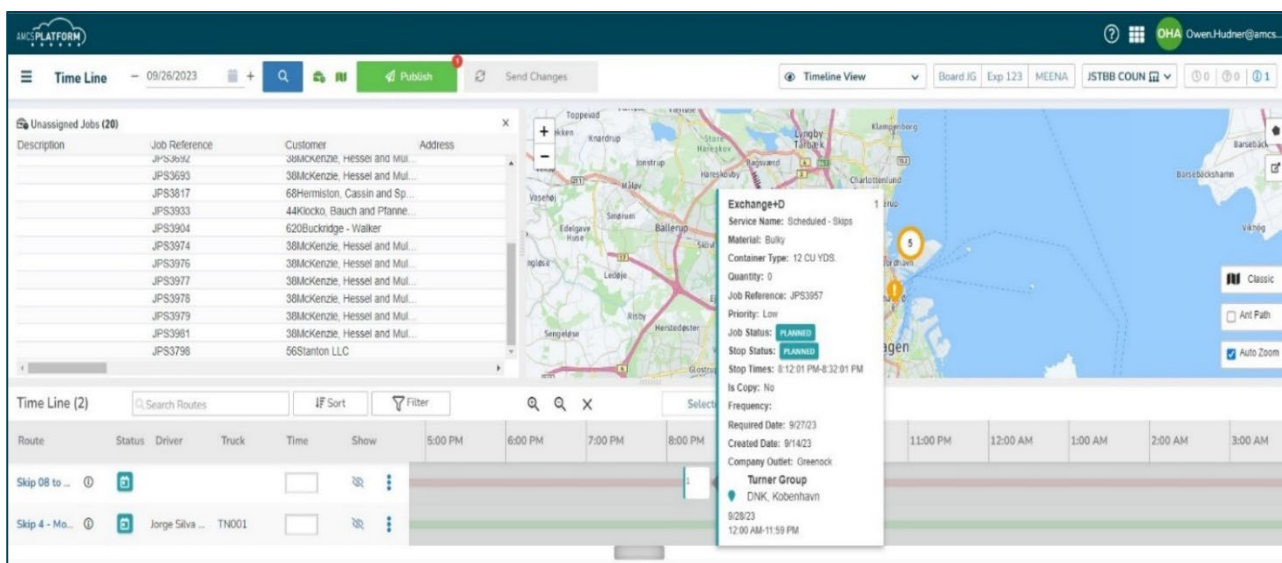
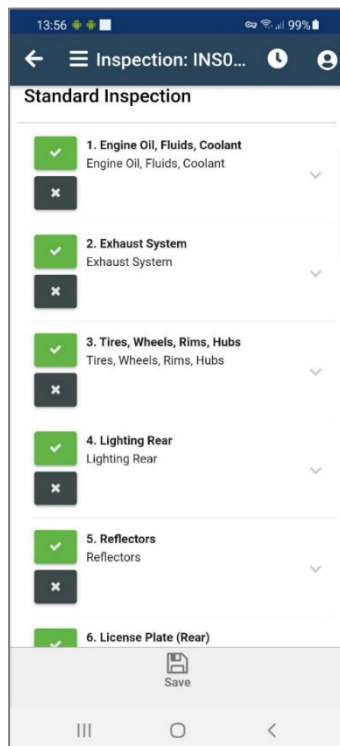
This allows the dispatcher to readily re-allocate skipped or rejected jobs to a new route. This improves both dispatcher and driver productivity.

Enhanced visibility on driver job confirmations for scheduled Roll-Off jobs, there are new color status codes to show whether job completion was triggered automatically by a geo-fence or manually by driver confirmation on the mobile. This provides the dispatcher with a more granular and faster understanding of job completion status.

Automatic scheduling of standing (recurring) Roll-Off jobs

This allows the automatic scheduling of standing jobs (recurring jobs) on a Roll-Off route. It will also allow the sequencing of each job in the route depending on a priority sequence number e.g., a one sequence number takes priority over a two-sequence number. This will save the dispatchers planning time, reduce the potential for errors and maximize service.

Screenshot: Mobile Inspection on Smart Inspection Mobile APP



Screenshot: Timeline View

Enhancements to AMCS Fleet Maintenance

New Smart Inspection Option – electronic DVIR and much more at your fingertips. Available November 2023.

This new option provides technicians and drivers alike with a customizable solution to record all required vehicle and safety checks including those

required for regulatory (such as DOT) compliance:

- Pre-trip (typically driver/operator)
- Post-trip (typically driver/operator)
- Inspections as part of a PM (typically mechanic/technician)

Smart Inspection allows an unlimited number of Inspection Checklists, which are built from re-usable modular Steps. Each Inspection Step can be configured to be Go/No-Go, choose from a value list, or enter a value. Success criteria is defined as part of the Step. A non-conforming result will automatically generate a Work Request to address the fault condition.

While AMCS Fleet Maintenance Smart Inspection works on both browsers and the mobile app, the experience is optimized for mobile. Using a tablet or phone (Android or iOS), the driver/operator/technician can step through the inspection while doing the asset walkaround, and the data is posted in real-time, so there is no lag between the inspection and initiation of corrective

action if needed. In addition, you can optionally require that the inspection Steps be completed in a specific order. Finally, the person doing the inspection as well as the time spent on each Step are captured.

View a short animation of AMCS Fleet Maintenance [here](#).

New AMCS IoT Hub - Preventive Maintenance driven by Telematics Data Option. Available December 2023.

The new AMCS IoT hub collects data from various sources (e.g., telematics, sensors) as well as performing analytics and seamlessly feeding this data into AMCS solutions. It is designed to act as a single connection point and central data store for both AMCS applications and third-party vehicle and container sensor data providers. In its first deployment it will collect meter reading data from vehicle telematics solutions such as AMCS Telematics and pass it on to AMCS Fleet Maintenance. (For AMCS Telematics this is standard, for Third-Party Telematics there is a subscription fee for the integration.)

“Meter readings” refers to measured data such as distance travelled (kilometres/miles), engine hours, and vehicle hours. This means that this information will no longer need to be manually recorded/input/imported, which is sometime a two-step process beginning on paper and always error prone. Automatic data integration will therefore be less labour-intensive and more accurate.

Having these meters updated and accurate is key to asset uptime as they drive preventive maintenance processes. Once a meter reaches the appropriate threshold level, AMCS Fleet Maintenance will automatically initiate the workorder workflow to perform the appropriate maintenance.

View a short animation on AMCS Telematics [here](#).

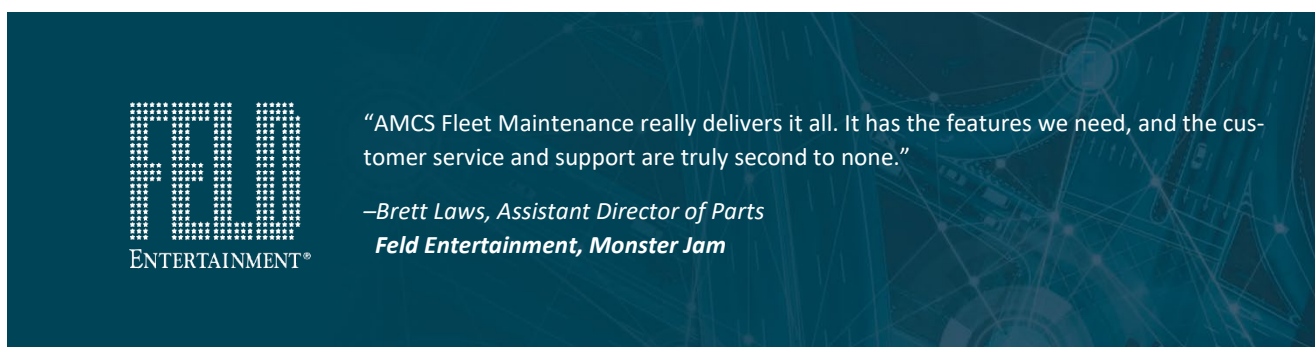
Expanded Multi- Lingual Support. Available November 2023.

AMCS Fleet Maintenance now supports French and Spanish language (including full VMRS translation) with the preferred option selectable at the user level. This supports ease of adoption and productivity for multi-lingual staff and driver teams.

All Work Order data is picked from the embedded VMRS code keys rather than entered as free text. In other words, a technician completing a Work Order will not type in that a brake reline was performed. Rather, they will choose the appropriate items for the asset’s system (for example, brakes), the work reason, failure code, and work accomplished from available

VMRS tables. Because these tables will be translated along with the Fleet Maintenance UI (User Interface), the actual Work Order details will automatically be translated.

A real-world use case is that a Spanish-speaking and English-speaking technician could both be active on the same Work Order, and each would see the data in their own language.



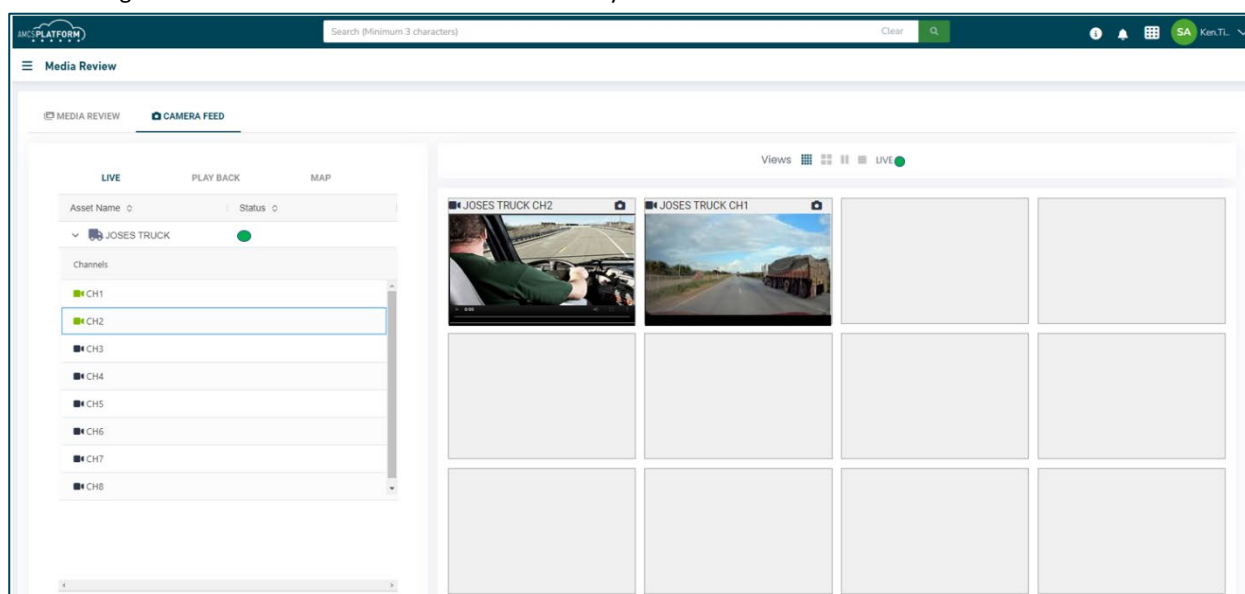
Carbon Emissions calculator – measure and reduce your fleet footprint

A new carbon emission calculator in Route Planner allows the setting of CO² eq. emissions (e.g., kg/L) and fuel consumption (e.g., L/km) value to vehicles, in compliance the EN 16258:2012 standard. Emission KPIs are calculated for all planned routes based on the distance driven. This allows planners to measure the impact of optimized master routes based on targeted CO² emission savings.

Vision AI: Improving driver safety with automated insights.

Vision AI users now can access a new Camera safety module where they can view live video stream from any vehicle and in addition have ability to view recorded safety events (initially harsh braking) and associated video recordings from the on-vehicle cameras on that vehicle.

This provides a single dashboard where users can view exceptions such as safety, overfill and contamination exceptions that have been generated by Vision AI. It surfaces highlighted video images on the portal to allow transport supervisors to coach their driving team based on documented evidence of safety incidents. This feature is available in December 2023.



Screenshot: Viewing Safety Event Images on Vision AI Dashboard



“AMCS Vision AI will improve the quality of recyclables collected, allowing us to work with our end clients to educate them and advise them on improving the material they are presenting and avoiding contaminants.”

—Andrew Pellegrini, Vice-President/General Manager, PSSI

Business Value Summary – Savings, Safety, and Sustainability

With the new **MRM and Transport Validation work centers**, transport staff now enjoy a unified UX across our transport suite, thus increasing productivity and facilitating the rapid onboarding of new users. MRM ensures that routes are built automatically and transferred seamlessly to the Smart Dispatch function. Customers who subscribe to our route optimization solutions can also avail of seamless periodic batch route optimization. Transport Validation ensures that users can view high level summary KPIs for each route, with automation to surface and correct data exceptions, preventing revenue leakage.

Telematics driven preventive maintenance eliminates the error-prone manual recording of meter information on paper or into tablets and ensures the seamless data flow into Fleet Maintenance and auto-generation of work orders. Since the cost of preventive maintenance is four times less than breakdown repair, getting PMs (Preventative Maintenance) done on time will reduce costs. Reducing breakdowns also means that your productivity will increase as assets are in service rather than the shop. And well-maintained assets will be safer and have a reduced carbon footprint.

Smart Inspection with Fleet Maintenance replaces paper inspections that can readily be mislaid, incomplete, and viewed as a rushed tick box task by drivers. Instead, Smart Inspection delivers accurate data capture via an intuitive and seamless workflow. Use an unlimited number of customizable inspection checklists that auto trigger repair Work Requests in Fleet Maintenance for non-conforming results. This improves safety, regulatory compliance, staff productivity, quicker turnaround on repairs and better fleet utilization.

Extended language options on Fleet Maintenance are particularly valuable to recruit and support non-English speaking technicians and drivers to your team, boosting efficiency and savings. In addition, allowing your existing Spanish and French speaking technicians to work in their first language to increase productivity. Automatic translation of Work Order VMRS data delivers immediate information visibility at all levels of the organization, reducing time to decision and action.

AMCS Vision AI now provides automated insights into video-based safety incidents, providing transport supervisors with the means to coach improved performance from drivers, reducing safety related costs and risks.

With the new **Carbon Calculator**, planners can now conduct optimization exercises on master routes and **view the impact on carbon emissions** to support their sustainability program.



“We’re tracking everything. Our PM (preventive maintenance) schedules for each individual asset, who reported what problems and when, how much equipment we need for any given flight, and a lot more. It’s all helping us make huge improvements to our day-to-day operations.”

—Kelly Terry, *Director of Ground Service Equipment Strategy and Sourcing Worldwide Flight Services*

Theme 2: Continuous Digital Transformation for Finance – Delivering automation, boosting productivity, and protecting margins

The process of transforming the user experience with the Platform UX continues in this release with new price automation innovations.



New Supplier Pricing Automation options (Available December)

There is a new single standardized account concept for both customers and all types of suppliers. Suppliers can be sellers of material feedstock or provide transport, and third-party locations (destinations) for unloading (tipping) and processing. Whereas previously supplier pricing was managed by cost agreements, these have been replaced by our existing service agreements to provide more flexibility and automation.

New pricing automation options include:

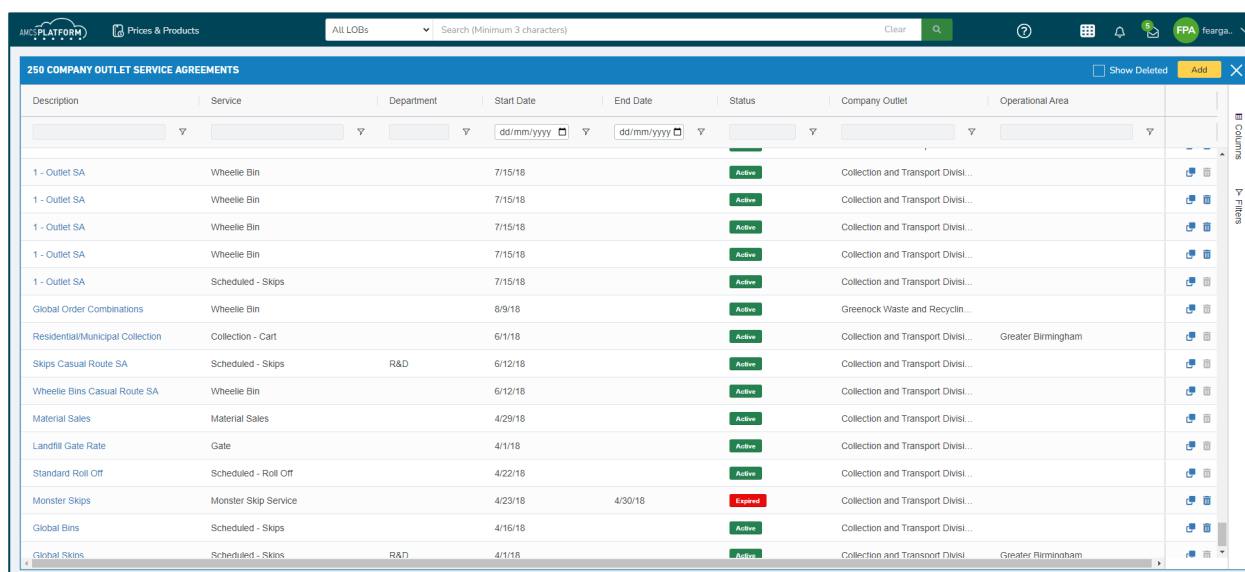
- Bulk price change (increases/reductions) automation
- Price threshold management (maximum and minimum costs)
- Price hierarchy – four levels of pricing that can apply.
- Pricing based on source and destination, allowing the configuring of prices for various sites based on a single service agreement whereas previously individual agreements were required. Note this new pricing feature is also now available for all customers (AP (Accounts Payable) and AR (Accounts Receivable)).

Full Price Hierarchy now available on AMCS Platform UX with Company Outlet Service Agreement (COSA)

The Price Hierarchy in AMCS Platform is designed to define and source prices at four levels (Customer Site, Customer, Company Outlet, Price Books). It means that prices can be standardized where possible and negotiated at customer or site level when necessary. Its positive impact is to reduce the number of price lines to be set up and maintained and to ensure that a price can always be sourced from the appropriate level of the hierarchy for quoting and billing purposes.

The COSA is the third level on the hierarchy, and it allows the standardization of prices for specific services for a defined operational area (depot/outlet, operational area drawn on maps). It is particularly useful for defining a price list for residential services and regional prices for a wide range of services where standardization of pricing is desirable to protect margin.

The COSA is now fully transformed allowing the use of UX features such as the Interactive Price Wizard to quickly configure prices as well as fully supporting other enhancements such as configurable operational areas, inactive container rentals, and secondary processing prices.



Description	Service	Department	Start Date	End Date	Status	Company Outlet	Operational Area
1 - Outlet SA	Wheeler Bin		7/15/18		Active	Collection and Transport Divisi...	
1 - Outlet SA	Wheeler Bin		7/15/18		Active	Collection and Transport Divisi...	
1 - Outlet SA	Wheeler Bin		7/15/18		Active	Collection and Transport Divisi...	
1 - Outlet SA	Wheeler Bin		7/15/18		Active	Collection and Transport Divisi...	
1 - Outlet SA	Scheduled - Skips		7/15/18		Active	Collection and Transport Divisi...	
Global Order Combinations	Wheeler Bin		8/9/18		Active	Greenock Waste and Recyclin...	
Residential/Municipal Collection	Collection - Cart		6/1/18		Active	Collection and Transport Divisi...	Greater Birmingham
Skips Casual Route SA	Scheduled - Skips	R&D	6/12/18		Active	Collection and Transport Divisi...	
Wheeler Bins Casual Route SA	Wheeler Bin		6/12/18		Active	Collection and Transport Divisi...	
Material Sales	Material Sales		4/29/18		Active	Collection and Transport Divisi...	
Landfill Gate Rate	Gate		4/1/18		Active	Collection and Transport Divisi...	
Standard Roll Off	Scheduled - Roll Off		4/22/18		Active	Collection and Transport Divisi...	
Monster Skips	Monster Skip Service		4/23/18	4/30/18	Cancelled	Collection and Transport Divisi...	
Global Bins	Scheduled - Skips		4/16/18		Active	Collection and Transport Divisi...	
Global Skips	Scheduled - Skips	R&D	4/1/18		Active	Collection and Transport Divisi...	Greater Birmingham

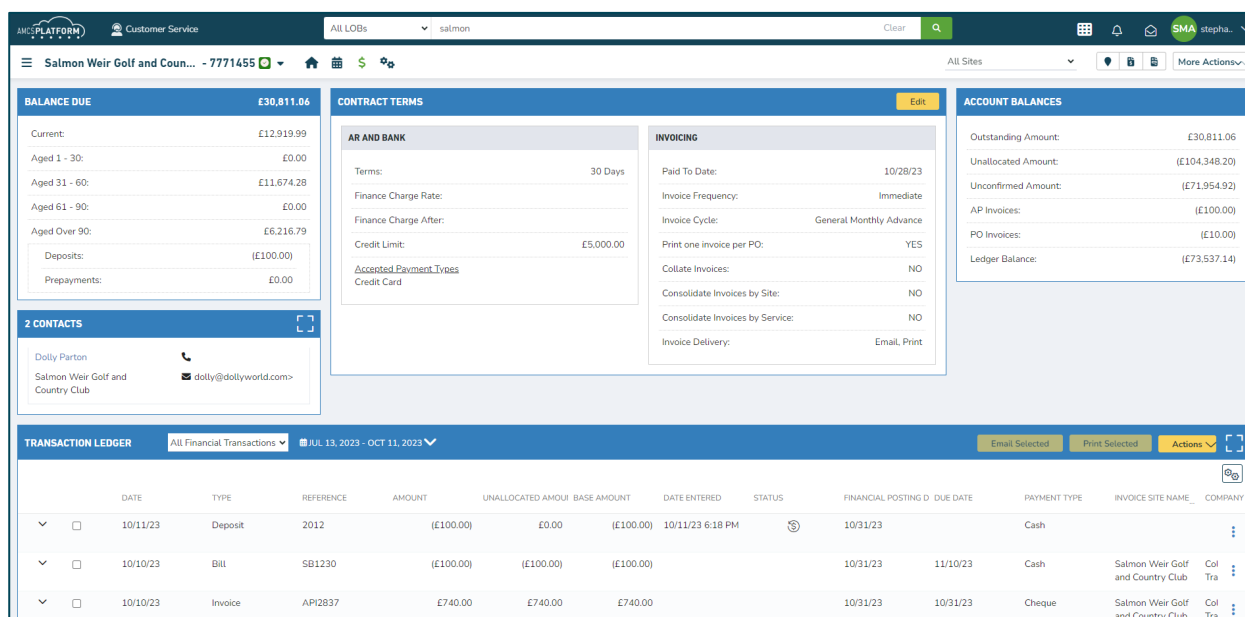
Screenshot: Customer Outlet Service Agreements for Various Services

Financial Document Management – Debit Notes and Proof of Service

The Financial Document Management function facilitates the delivery and communication of all financial documents including invoices, bills, credit notes and journals. New automated support for Debit notes (an amount owed to the operator) allows for easier communication of balance forwards on externally migrated customer accounts, such as those acquired through acquisition or migration from a legacy ERP (Enterprise Resource Planning). Debit notes can also be automatically generated by the order wizard for the upward account service adjustments on fixed charge accounts and the debit and rebill of an AP invoice. Debit notes can be automatically generated on demand and delivered electronically. Proof of Service tickets (e.g., disposal, work orders etc.) are now available on the Platform UX and can be automatically delivered with invoices.

Enhanced Management of Deposits & Prepayments

A new separate visual presentation and treatment of deposits (partial advance payment to secure an order) and pre-payments (full payment made in advance) on CSR (Customer Service Representative) and financial dashboards to enhances the clarity and transparency of our individual processing of each item. These enhancements increase the automation and compliance of the financial processing of both items.



BALANCE DUE £30,811.06

Current:	£12,919.99
Aged 1 - 30:	£0.00
Aged 31 - 60:	£11,674.28
Aged 61 - 90:	£0.00
Aged Over 90:	£6,216.79
Deposits:	(£100.00)
Prepayments:	£0.00

2 CONTACTS

Dolly Parton
Salmon Weir Golf and Country Club
dolly@dollyworld.com

CONTRACT TERMS

AR AND BANK

Terms: 30 Days
Finance Charge Rate:
Finance Charge After:
Credit Limit: £5,000.00
Accepted Payment Types
Credit Card

INVOICING

Paid To Date: 10/28/23
Invoice Frequency: Immediate
Invoice Cycle: General Monthly Advance
Print one invoice per PO: YES
Collate Invoices: NO
Consolidate Invoices by Site: NO
Consolidate Invoices by Service: NO
Invoice Delivery: Email, Print

ACCOUNT BALANCES

Outstanding Amount:	£30,811.06
Unallocated Amount:	(£104,348.20)
Unconfirmed Amount:	(£71,954.92)
AP Invoices:	(£100.00)
PO Invoices:	(£10.00)
Ledger Balance:	(£73,537.14)

TRANSACTION LEDGER All Financial Transactions JUL 13, 2023 - OCT 11, 2023

	DATE	TYPE	REFERENCE	AMOUNT	UNALLOCATED AMOUNT	BASE AMOUNT	DATE ENTERED	STATUS	FINANCIAL POSTING DATE	DUE DATE	PAYMENT TYPE	INVOICE SITE NAME	COMPANY
✓	10/11/23	Deposit	2012	(£100.00)	£0.00	(£100.00)	10/11/23 6:18 PM	Ⓢ	10/31/23		Cash		
✓	10/10/23	Bill	SB1230	(£100.00)	(£100.00)	(£100.00)			10/31/23	11/10/23	Cash	Salmon Weir Golf and Country Club	Col Tra
✓	10/10/23	Invoice	API2837	£740.00	£740.00	£740.00			10/31/23	10/31/23	Cheque	Salmon Weir Golf and Country Club	Col Tra

Screenshot: Deposits and Prepayments shown separately for customers

New AMCS Financials Connector (Available December)

There is a new API (application program interfaces) based connector to support an automated one-way push of general ledger summary details into AMCS Financials work center from the AMCS Platform. This provides customers with a plug and play connector. This is the first stage in a multi-phase program to offer a fully integrated solution for both operational and financial data in AMCS Platform.

View Webinar of AMCS Financials [here](#).

Business Value Summary: Supplier cost, financial docs, financials connector, more...

Automating supplier cost management significantly reduces data errors, manual effort and associated costs involved in ensuring supplier prices are accurate and up to date, freeing up financial staff to focus on more valuable activities.

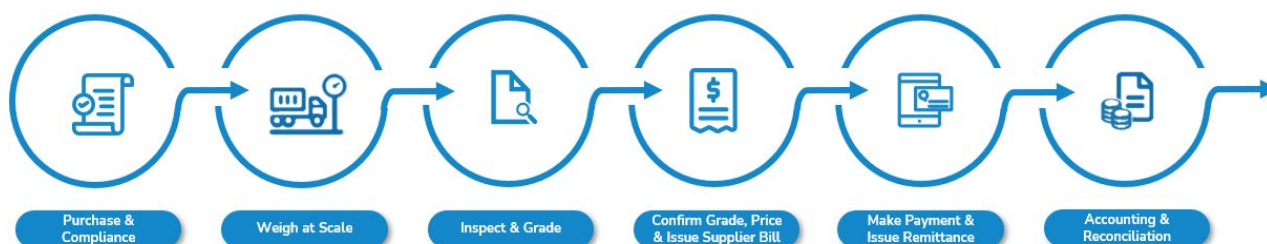
Improved financial document management means that key documents can be automatically generated and sent to customers as part of the order change process reducing manual effort, the risk of overlooking them and associated costs.

The new separate treatment and visual presentation of **deposits and pre-payments** increases automation, reduces manual effort, and delivers compliance.

The addition of **the COSA to the Price Hierarchy** will automate charging of prices set for an operational area and makes the management of accurate price data easier and protect margins.

The new **AMCS Financials connector** provides an off the shelf and automated API -based integration into AMCS Financials, saving time and development effort and allowing customers to leverage the benefits of the AMCS Financials accounting solution.

Theme 3: Maximize speed of service at Scale and automate material inspection



Speeding up Time of Service at the Scale

Turning your Scale into a Point of Sale with AMCS Pay, Cash and Checks

Scale operators can now accept payments (integrated AMCS Pay PoS terminal cash and checks) from casual customers paying to bring materials over the scale and those customers purchasing finished materials. This payment process provides new control including enforcement of full (as opposed to partial) payments. A casual customer may be converted into an individual account to provide greater automation for use for repeat business.

New Quick Entry Scale Workflow for a first time Peddler

This is a new optimized scale workflow for the rapid ticket entry for first time peddler sales. The guided workflow is built for speed of service with minimum keystrokes, large button touchscreen options and minimum data fields to expedite the initial weighing of the load and linking to the peddler. Later after the tare weighing, the peddler account is set up and payable records are generated. An individual account is set up for each peddler, giving more control and visibility for any repeat material sales. The result is an optimized process that maximizes service and speed at the scale, while promoting repeat business.

Import of Inbound Direct Movements to Third Party Destinations

This imports an electronic file of scale ticket data from third party destination sites into Platform, eliminating any need for manual input of individual ticket data. This will save manual effort, time, and reduce the risk of errors.

Material Management – Automation to improve material quality and compliance practices.

Grading Email Notifications

This automates the generation of an emailed document to a supplier with respect to material supplied. The document contains the ticket number, material/container description, images, notes and details of any non-conformance and pricing variations. These material details are captured using the Mobile Yard Management app and this process can be used by recyclers and operators of any waste facility to make claims against material suppliers.



Moray House
Ground Floor, Forthside Way,
Stirlingshire, Stirlingshire, FK8
1QZ, United Kingdom.

Grading Report

Ticket #: SWPS1498

Load Details

Supplier Name: Collection and Transport Division

Supplier Site: Collection and Transport Division

Material Gross: 50.0000 LB

Weighing Date: 09/28/2023

Vehicle Details

Vehicle Gross: 100.0000 LB

Vehicle Tare: 50.0000 LB

Vehicle Type: Rear Loader

Vehicle ID: TN 10 9999

Grading Details

Receiving Outlet: Moray House

Date Graded:

Date Confirmed:

Graded By:

LOAD MATERIAL BREAKDOWN

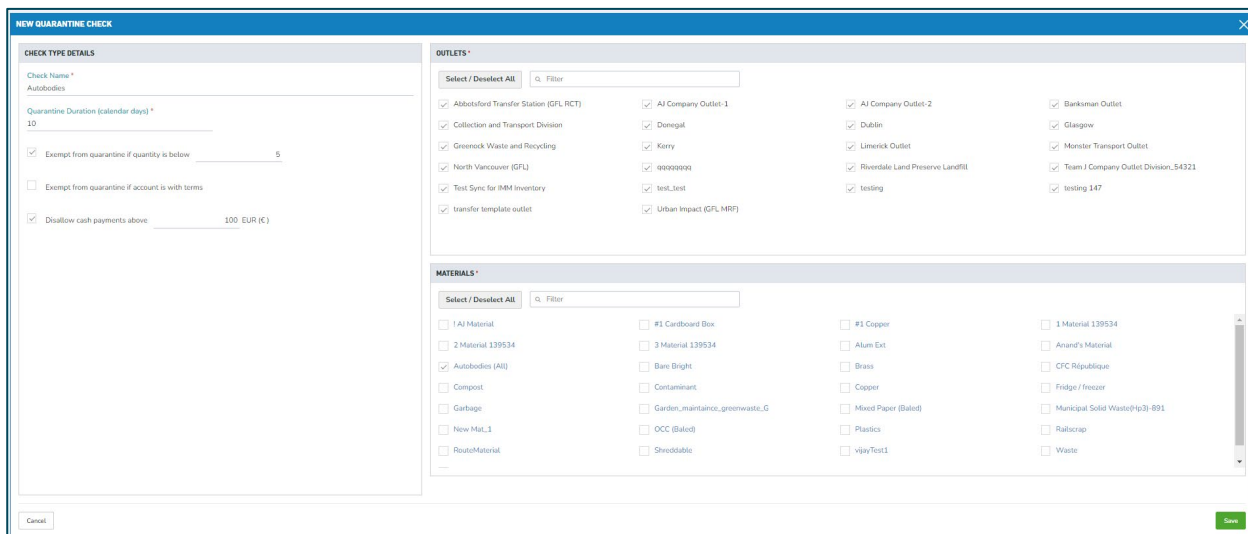
MATERIAL	WEIGHT (LB)	QTY	WEIGHT DED. (LB)	ADJ. WEIGHT (LB)	ADJ. QTY	STATUS
Mixed Paper (Baled)	50.0000	0	0.0000	22.6799	0	In Process
TOTAL	50.0000	0	0.0000	22.6799	0	

Sample Grading Email Report

Automated Quarantine Controls

The automation of quarantine rules allows the setting of controls to put specific materials (often hazardous materials such as asbestos, lead, PCBs or turnings with oil that need drying etc.) aside for a defined period sometimes in compliance with regulations. This may include anti-theft regulations where the purchase of catalytic converters will be subject to a quarantine period and deferred payments.

This quarantined material is recorded in inventory but cannot be processed or paid for until a notification that the configurable period has expired. Payment type (cash or check) and a deferral period can be configured by material type.

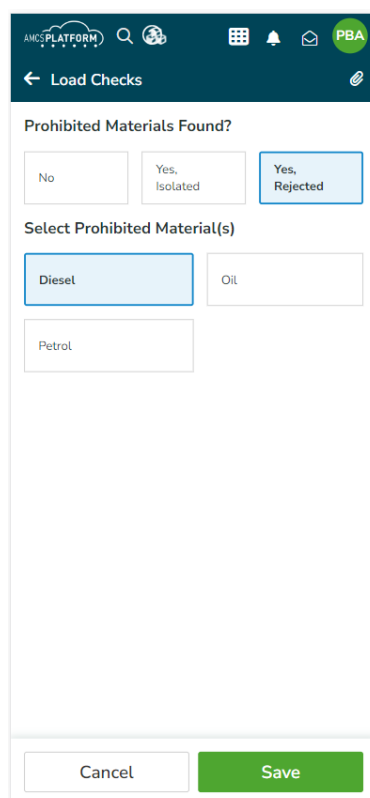


Screenshot Quarantine Checklist

Automated Controls of Prohibited (PM) and Environmentally Sensitive Materials (ESM)

This allows operators to ensure that any inbound materials exclude any prohibitive or environmentally sensitive materials. Where such materials are detected, the inspector can either decide to reject the load or ensure that the contaminants are safely isolated before the material is put in storage and/or processed. Inspection checklists can be defined per material and loads (e.g., an inspection checklist for a fridge or an autobody prior to shredding).

For example, a fridge or autobody will require an inspection checklist to ensure the correct removal of oil, gas, and refrigerants prior to shredding.



Screenshot: AMCS Mobile Grading APP: PM & ESM Controls

Compliance- Quantity Threshold Controls

It controls the maximum per unit quantities of a material by supplier (e.g., maximum five catalytic converters for supplier X in a week) that is received in the facility, for a specific period in adherence to operator defined and local anti-theft compliance regulations.

Configuration of resolution of material images on Mobile Grading APP

Where there are Wi-Fi bandwidth or network access issues, the user can decide per yard the optimized image resolution to be used on images of inspected materials.

Business Value: Increased yard safety, improved services to supplier, more...

These new material management features will further digitize material management practices, improve service to suppliers, increase yard safety against dangerous materials and ensure compliance with both environmental and anti-theft regulations.

Theme 4: Smarter data-driven decisions with the AMCS OData Connector



This release provides support for the **OData (Open Data Protocol)** data access protocol for secure, standardized, and effortless access to AMCS Platform data.

OData is an open protocol that seamlessly integrates into existing On-Site data warehouse initiatives and native aggregation across the customer's global enterprise. It complements existing AMCS BI and Analytics tools such as the standard Reports Catalogue, embedded Self-Serve report writer and AMCS Data Mart.

Currently being piloted with select customers, OData will be on general release in early 2024 and it will form part of the AMCS REST API suite.

Business Value: OData standardizes and simplifies access, and more...

Here are the business values of this OData release in AMCS Platform:

- Seamless integration in existing on-site data warehouse initiatives and customers data visualization and reporting tools as it offers connectors to leading BI (Business Intelligence) tools as well as applications such as Excel.
- Provides a secure and standards-based approach for our customers, eliminating the need for customer API development to access data

Other Key Highlights of the Winter 2023 Release

AMCS Subcontractor Portal -Increased Automation and Compliance

The AMCS Subcontractor Portal is designed to digitize the entire subcontractor lifecycle, from sourcing, onboarding, compliance, exchanging work and confirmations and finally invoicing. This release sees further enhancements to improve automation and ease the burden of compliance management, reducing manual effort, costs, and regulatory risks.

Subcontractor Job Rescheduling with Notifications

Subcontractors can reschedule a job on the portal if it was missed and assign to a new service date without any need for operator intervention. Early alert auto-notifications are generated where a subcontractor has accepted and then rejected a job, allowing the operator to re-arrange job with customer.

Improved Subcontractor Compliance Management

Subcontractors can request approval from the operator for a new disposal destination. A new view provides a filterable list of subcontractors to manage and address compliance issues and scores. Automated notifications will alert operators of any pending expiry dates on compliance documentation.

View a webinar of Digital Subcontracting [here](#).

Equipment Inventory – Driving a better ROI from your container assets.

The automation of the management of container inventory first launched in the summer release continues to evolve, including the following highlights.

Enhanced Auditability of Container Service History

A new analytics grid has been added to readily sort and filter container service history data to understand every dimension of who, how, why, and when each individual container was moved, and this provides greater visibility and auditability into tracking container movements.

Improved Container Management

There are enhanced features to resolve any container data exceptions including for out of cycle jobs where there is no record of the container on site in Platform but where jobs are requested. There are also new fields on the container record to denote the AR code, company and if it has a compactor mechanism.

View short demonstration of Equipment Inventory [here](#).

AMCS Pay – Making payments easier.

AMCS Pay now accepts on-line channel payments from bank accounts using the EFT network in Canada, expanding digital payment choice and convenience for Canadian customers.

View animation of AMCS Pay animation [here](#).

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