DATAMINE

MINEMARKET

Complete Mine-to-Market Solution

MINEMARKET

Release Notes

MineMarket 5.5.11

Contents

Overview

MineMarket provides comprehensive management of the mining value chain, combining material tracking, logistics management, complex sales and marketing, and commodity trading capabilities into a single solution. It ensures traceability throughout the mining value chain, covering transportation, material purchases and sales, invoicing, and trading. MineMarket facilitates informed decision-making through real-time monitoring of market fluctuations, profit and loss metrics, accurate transaction tracking; and offers maximum market transparency from initial execution to final settlement. Flexible and analytics-driven, MineMarket supports bulk commodities, precious metals, and base metals, including concentrates and discrete units. It can be used out of the box or tailored to match the specific needs of your mining operation, serving as a key risk management and profit optimisation tool.

Further Information

This document includes cumulative release notes for MineMarket 5.5.

Release notes for other versions of MineMarket are available via the Support Portal https://www.dataminesoftware.com/support/.

For the complete MineMarket documentation, see https://docs.dataminesoftware.com/MineMarket.

MineMarket 5.5.11 Hot Fix Release Notes

Hot Fix 1 (June 2025)

- **Freshdesk case:** 225041 During invoice revaluation, MineMarket was selecting the latest invoice based on the invoice date without properly handling reverted final invoices. Now, MineMarket correctly identifies the appropriate final invoice.

- **Freshdesk case:** 224918 Previously, copying and pasting using **Ctrl+C** and **Ctrl+V** worked in only some numeric fields. Paste functionality is now supported across all numeric fields, with pasted values validated according to existing rules.

MineMarket 5.5.11 Release Notes (January 2025)

System Administration

- Extended data can be entered for a **Stockyard**. Configuration of stockyard extended data fields is via the **Extended Data** screen. Users can view and enter stockyard extended data via the **Property Window**.

- The *Allow Stockyard Extended Data maintenance* security right in the *Extended Data Security Rights* user group security rights group controls whether a user can enter extended data for a stockyard.

Integration

- The **AURTransaction** adaptor includes an optional **Samples** column group. This column group can be used to specify the sample templates for which to create or update a sample with a specified sample name. If such sample names are specified, the **Sample Prefix** column is ignored.

Defect Fixes

- **Freshdesk case: 212717** An issue where mine sources and stockpiles could not be deleted via the **Solution Explorer** has been fixed.

- **Freshdesk case: 213854** When duplicating a service or freight contract, MineMarket was not correctly copying the **Name** for contract rates and rate periods. Changes have been made to fix this issue.

MineMarket 5.5.10 Hot Fix Release Notes

Hot Fix 1 (November 2024)

- An issue with exporting contributor information for transactions in a stockpile state with B2MML adaptors has been fixed. Contributor information in **NotifyPerformanceTrackedEvent** messages now comes from the stockpile state and the **ValueString** is the contributor tonnage.

- When importing sample results with B2MML adaptors, **NotifyWorkExecutedEvent** and **NotifyWorkReconciledEvent** messages that contain a location that is not in MineMarket (for example, a laboratory) are assumed to contain sample data only and are successfully processed.

- An issue importing transactions with the **AURTransaction** adaptor has been fixed.

- A Syncfusion licence error when exporting billboards to Microsoft Excel has been fixed.

- When the MineMarket Client attempted to connect to the MineMarket Server to register for object notification, an error sometimes displayed. Now the MineMarket Client attempts the connection with IPv4 addresses first and subsequently with IPv6 addresses.

- The performance of the **Transaction Explorer** has been improved when searching for transactions.

MineMarket 5.5.10 Release Notes (November 2024)

Sales and Marketing

- When setting up a tax in the **Tax Editor**, you can specify the **Rounding Method** used to round the calculated tax value to the specified number of decimal places. The *Round* method rounds either up or down to the nearest value based on the midpoint of the digit to be rounded. The *Round Up* method uses the 'ceiling' mathematical function to always round up to the nearest value. The *Round Down* method uses the 'floor' mathematical function to always round down to the nearest value.

Performance Improvements

- **Freshdesk case: 207653** To improve the performance of MineMarket explorers and downstreaming, changes have been made to how stock balance contributor analyte data is stored in the MineMarket database.

- **Freshdesk case: 209671** Downstreaming performance for first-in-first-out (FIFO) and last-in-first-out (LIFO) stockpiles with many layers has been improved.

B2MML Adaptors

- Mine sources and surveys can be imported with **NotifyWorkExecutedEvent** and **NotifyWorkReconciledEvent** messages. Analyte, contributor and geological attribute information in the mine source survey can be included via the **MaterialActual » MaterialActualProperty** node. (The functionality to import mine sources and surveys with **NotifyOperationsScheduledEvent** has been retained for backwards compatibility but does not include contributor or geological attribute information.)

- The process flow for transactions is determined from the **EquipmentActual** node details, or if that fails, then from the **MaterialActual** node details of a **NotifyWorkExecutedEvent** or **NotifyWorkReconciledEvent** message. When a **NotifyWorkReconciledEvent** message updates the source or destination (and therefore, the associated process flow) for a transaction that was created previously via a **NotifyWorkExecutedEvent** message, MineMarket

now determines the correct process flow, deletes the original transaction and creates a new transaction for the correct process flow.

- Contributor information for stockpile states, including contributor groups, percentages and analytes, can be exported in a **NotifyPerformanceTrackedEvent** message via **MaterialLotProperty** nodes with nested **MaterialLotPropertyChild** nodes.

- To improve the processing of stockpile state data by third-party systems, a **NotifyPerformanceTrackedPerStockpile** message type option is included on the MineMarket **Export Settings** screen. If selected, **NotifyPerformanceTrackedEvent** messages are sent per stockpile or despatch and include their sequence number in the transaction state order.

- If the date/time data used for MineMarket objects contained in B2MML import files has an associated time zone, the date/time is converted to local machine time.

- If a B2MML message includes a transaction date or survey date that is earlier than the opening date or later than the closing date of the associated stockpile, the B2MML adaptor updates the opening or closing date of the stockpile so that the message is successfully processed.

Installation and Upgrades

- The third-party certificate provider used to sign MineMarket installers, executables, and DLLs with Datamine's digital signature has changed.

Defect Fixes

- An issue where delays could not be recorded for supply trains and supply ships has been fixed.

- Issues where the refresh a of billboard could fail to load data or cause an exception have been fixed.

- MineMarket was assigning null values to all sample analyte results when a new transaction associated with a different despatch order was added to an existing composite sample for a train, truck despatch, service trip, shipment or lot despatch. This issue has been fixed so that previously entered sample analyte results are preserved.

MineMarket 5.5.9 Release Notes (September 2024)

Defect Fixes

- For despatch templates with a specified **Default Loading Process Flow**, the **Default Loading Stockpile** field was displaying all stockpiles as being available for selection. Now only the stockpiles at the source location of the process flow display. Likewise, the stockpile selection for unloading has been fixed.

- An issue where service charges could not be added to a despatch order that did not have a status has been fixed.

- An issue where two loading transactions were created on a shipment where only one should have been created has been fixed.

- A memory leak has been resolved and performance improved when processing B2MML outbound messages using the BulkTrak.Integration.PublishSubscribe.dll adaptor via Integration Hub.

MineMarket 5.5.8 Hot Fix Release Notes

Hot Fix 1 (July 2024)

- An issue has been fixed where having route markers in a despatch's route could cause exceptions when selecting the source of a loading transaction or when deleting or refreshing an unsaved despatch.

- Unless a user refreshed an invoice revaluation, the journals were not being created when the revaluation was locked; and the **Error** tab indicated that the adjustment was unbalanced. Now MineMarket refreshes the invoice line items with the revaluation invoices.

- Issues affecting sorting of dates and numeric columns in the **Train Explorer** have been fixed.

MineMarket 5.5.8 Release Notes (July 2024)

Documentation

- A consolidated MineMarket glossary is accessible from the table of contents in the HTML and CHM versions of the help, in addition to the display of relevant glossary terms in search results in the HTML help.

User Interface Improvements

- In the **Stockpile States** screen, the stock location, stockpile and product names are hyperlinked.
- The **Time Line** and **Barge Activity** tabs have been removed from all applicable logistics explorers because the TimeLine component is out of support.
- For tables in which you can group the data, such as in the **Despatch Order Explorer** or the **Barge Explorer**, if you want to sort by multiple columns, press and hold **Ctrl** while clicking the required columns. Small numerals next to the arrows in the column headers indicate in which order the columns are sorted.

B2MML Adaptors

- "Product On Ship" is the expected **Alias1** for the product with the export mapping called *ShipmentNotifyPerformanceTracked*.
- "Product On Ship" is the expected text string to identify that an imported transaction is for loading a shipment.
- "Bauxite Shipped" has been retained in both scenarios for backwards compatibility.

Defect Fixes and Performance Improvements

- In an assay exchange configured to include multi-lab sampling, the **Assay Value Selection** tab was not displayed if certificate values existed for the despatch order, even if the certificate was not at the final analyte location. Now MineMarket checks the location of any certificates when determining whether to display the **Assay Value Selection** tab.

- An issue has been fixed where an updated country on the **Address** tab of locations was not correctly saved to the database.

- An issue has been fixed for payments where, if a user changed the internal company, MineMarket was not updating the list of districts available for selection.

- An issue has been fixed where values were not stored with the correct sign in invoice revaluations with multiple currencies.

- Error handling when evaluating formulae in the **Expression Editor** has been improved.

- MineMarket was not considering a forward price of zero (0.00) to be a valid price; and was using the provisional price instead. Now 0.00 is considered a valid forward price.

- An issue has been fixed where recalculating revaluations with uninvoiced despatch orders could cause an error when saving the results.

- A change to a third-party component had slowed down the responsiveness of the drop-down list when selecting an internal company or organisation. Code was changed to a method that expands the nodes internally to restore the speed of displaying the drop-down list.

- Indexes have been added to the QuotationPricingList and QuotationPeriod database tables to speed up deletion of quotation pricing lines.

MineMarket 5.5.7 Release Notes (April 2024)

Documentation

- The HTML version of the MineMarket help, available online at https://docs.dataminesoftware.com/MineMarket/Latest/index.htm, includes two user experience enhancements. In-topic tables of contents help you find information more quickly and provide an overview of more complex topics. A back-to-top button appears when you start scrolling, which can help you navigate longer topics, particularly if you are using a mobile device.

MineMarket Start Screen

- If you have not set a **Start Screen URL** in the **Options** screen, an upgrade to this version of MineMarket sets the start screen to display the latest HTML version of the online help. This setting remains configurable.

Performance Improvements

- Changes have been made to the way MineMarket loads transaction-related despatch orders from the database. Only bulk transactions can be associated with a despatch order; therefore, other types of transactions (such as for package groups or batches) no longer attempt to load associated despatch orders.

Transportation and Logistics

- When searching for a shipment to associate with a train or truck despatch, the **Shipments** screen includes **Start Date** and **End Date** filters and an improved search user interface.
- The **Name** for a certificate lot on the **Certificate** tab of a train, truck despatch or shipment is editable.

MINEMARKET   DATAMINE

Sales and Marketing

- The **Expression Editor** includes the **VesselLOA** function in the *Despatch Order/Despatch* category to allow a vessel's overall length to be used in expressions.

System Administration

- The **Audit Explorer** includes enhanced search criteria. Audit records can be searched by **Users** and multiple users can be selected. Multiple **Object Types** can be selected and this is now an optional criterion. For example, to view audit records for all objects changed by a user in a date range, you could search by date range and user only. The **Object Type** column always displays in the search results.

B2MML Adaptors

- The sample template name in a **NotifyWorkExecutedEvent** message is read from **MaterialActual » TestResult » OperationsTestRequirementID**. The previous **ID** node is still mandatory for schema validity, but does not need any value and is not used in processing.
- Analyte property measurements can be included in a **NotifyWorkExecutedEvent** message via the **JobResponse » MaterialActual » TestResult » PropertyMeasurement** nodes. Measurements provided via **[Added/Changed]MaterialLotRecord » MaterialLot » MaterialLotProperty » Value** are also still accepted.

Excel Uploader

- The Excel Uploader includes the following new worksheets:
  - **Payments**
  - **PaymentCharges**
  - **PaymentInvoiceInstallments**
  - **PaymentJournals**
- When journals are uploaded, MineMarket locks the associated payment if it is not already locked.

Defect Fixes

- **Freshdesk case: 192031** Changes have been made to the calculation of interpolated values to handle a situation where there are no forward prices available.

- **Freshdesk case: 194512** In an invoice revaluation with parameters set to **Exclude All Final Invoices**, MineMarket was excluding despatch orders that have final invoice even if the final invoice was reverted. Now MineMarket validates whether the final invoice is reverted before determining whether to exclude the despatch order.

- An issue has been fixed where prices were not being calculated properly if the start date was a public holiday and the QP date range was smaller than 4 days.

- An issue has been fixed where having markers in a train route could prevent opening a **Train** screen.

- An issue has been fixed where a refresh issue made it necessary to type a value twice in invoice overrides before the entered value took effect.

- An issue has been fixed where reselecting a previously calculated rate based on *Percentage Previous Rates* would not recalculate correctly.

- An issue has been fixed where rates could sometimes be duplicated when changing the invoice type for multiple despatch orders.

- In the Excel Uploader, an issue has been fixed with the specification of a movement product when uploading truck and train loading or unloading transactions.

MineMarket 5.5.6 Release Notes (January 2024)

Documentation

- Documentation has been added for MineMarket Client settings that are stored locally per user.

Performance Improvements

- **Case: GEN2-3435** To improve the performance of the **Truck Despatch Explorer**, the number of database observations was reduced and a filter was added in the database for organisations.

- In order to avoid assigning the same ID to different farms, the MineMarket Marketing Service deletes any duplicate DODownstreamcauses records before processing. Any downstream causes that cannot be processed because of their status (for example, a despatch order with a closed status) are excluded from processing.

Inventory Management and Tracking

- The functionality of the deprecated **Blend History** tab of the **Blend Editor** is available in the **Blend Explorer**. The **Blend Explorer** can be used to view, edit, create or delete manual blends. You can search for manual blends by **Date Range**, **Location** and **Blend Name**. Clicking a hyperlinked **Blend Name** opens the blend in the **Blend Editor**. Saved search profile functionality is available in the **Blend Explorer**. Manual blends are no longer created from the **Transaction Explorer**.

Commodity Trading and Risk Management (CTRM)

- **Case: GEN2-3432** A scheduled hedge revaluation can run even if the previous hedge revaluation is unlocked.

- When searching for hedge revaluations in a hedge revaluation stream, if the current date is the 9th of the month or earlier, the default start date is the first day of the previous month. If the current date is the 10th of the month or later, the default start date is the first day of the current month.

Installation and Upgrades

- A default server installation of MineMarket no longer includes a set of certificates to use with the Secure Sockets Layer (SSL) protocol.

- Certificates to use for SSL communication can be generated when saving the MineMarket Service configuration, or by running a provided batch file. Self-signed certificates generated by MineMarket have a default expiry date of 100 years from the current date. That is, effectively the certificates will not expire. If you want to generate self-signed certificates with a different expiry date and set the Subject Alternative Name to use for remote client access, run the **gencerts.bat** file in the **keystore** subfolder and follow the prompts to generate the certificates. You need to copy **root.crt**, **client.crt** and **client.key** to each of the MineMarket clients in the keystore location specified in the **Application Configuration Editor**. You may need to create the keystore subfolder in the client installations.

- The MineMarket Service has a daily process to check the validity of the certificates. If any certificate is set to expire within 30 days, a warning is sent to the warehouse email (if configured/enabled) and logged. The check runs when the MineMarket Service starts, and then every 24 hours. If any certificates have expired, an expiry notification is emailed and logged, and the MineMarket Service stops.

System Administration

- If you have access to an OAuth application for email authentication, you can use confidential authentication. Unlike interactive authentication, which requires knowledge of individual account passwords, confidential

authentication uses a client secret or a certificate. After saving the email settings, MineMarket encrypts and masks the client secret for confidentiality.

- The *Allow transactions maintenance* user group security right no longer controls access to create and edit manual blends. The *Allow the user to view the Blend Explorer* security right in the *Menu* user group security rights group controls whether the **Manual Blends** icon displays on a user's **Inventory** ribbon tab, enabling access to the **Blend Explorer**. The *Allow the user to maintain manual blends* security right in the *Blending* domain security rights group controls whether a user can create, edit and delete manual blends.

Excel Uploader

- On the **CreateDataTables** worksheet, the assumed value for **Halt on Error** is *FALSE*; which means that an Excel Uploader spreadsheet without the **Halt on Error** field can be run.

Defect Fixes

- **Freshdesk case: 155353** An issue has been fixed where the **Final Quantity** and **Final Dry Quantity** fields of a despatch order could be editable if the **Despatch Fulfilment Type** is set to *At Arrival At Destination*. These quantity fields should always be read-only calculated values.

- **Freshdesk case: 165413** An issue has been fixed where the allocated trade could make the remaining trade quantity go into a negative value, despite the calculations returning *0* when added a new trade allocation.

- **Freshdesk case: 166736** For the **Delivery Term** field on the **Details** tab of a despatch order, MineMarket was only considering contract terms of the despatch order's contract to get the list of applicable delivery terms. Now MineMarket also considers if there is a **Contract Term Override** specified for the despatch order.

- **Freshdesk case: 170598** An issue has been fixed where a cost configured as excluded from P&L on the **Costs** tab of the despatch order snapshot could still display under *Estimated* costs in the P&L.

- **Freshdesk case: 172062** An issue has been fixed where changing laboratory configuration in the contract term overrides of a despatch order and then synchronising laboratories in the lot samples on a despatch could cause an exception error.

- **Freshdesk cases: 172062, 173355** An issue where a hedge position with multiple allocations for the same despatch order would not display all the lines in the historical snapshot has been fixed.
- **Freshdesk case: 173875** An issue has been fixed where on the **Pricing** tab of a despatch order, the last line could display as though the declared quantity was added twice.
- **Case: GEN2-3105** An issue has been fixed where a specific quotation price configuration could cause an assay price to be incorrect in a trade P&L when multiple lots are used in a pricing by lot scenario.
- **Case: GEN2-3437** An issue has been fixed where an object reference exception could occur when selecting a tab in the **Despatch Order** screen while another tab was being loaded.
- **Case: GEN2-3295** An issue has been fixed where the **Total Value** for a futures contract with the **Transaction Type** of *Buy* was not being correctly calculated on the **Valuations** tab of the **Hedging Explorer**.
- **Case: GEN2-3333** An issue has been fixed where the premium was not correctly applied to the calculation of trade profit and loss (P&L) for a futures contract with the **Transaction Type** of *Sell*.
- **Case: GEN2-3457** An issue with saving the deletion of a hedge position has been fixed.
- For the AURTransaction adaptor, issues with column ordering and with empty source or destination columns have been fixed. With the exception of the optional column group for extended data, the columns can be in any order.

MineMarket 5.5.5 Patch Release Notes (November 2023)

Inventory Management and Tracking

- You can select a unit of measure (UOM) and mass basis for the destination stockpile in a manual blend. This selection does not affect the stockpile itself, but rather determines in which UOM and mass basis the masses for the destination and source stockpiles display for the blend. For the source stockpiles, the mass to blend and any survey masses are entered in the selected mass basis.

- When creating a survey for the destination stockpile in a manual blend, you can enter any two of the wet mass, dry mass and moisture values. MineMarket calculates the other value.

- **Freshdesk case:** 170412 The functionality of the **PreventDownstreamingBeforeExporting** setting in the **MineMarket Service Config** screen has been changed. Exporting runs as a scheduled task every 5 seconds. If *True*, MineMarket runs the exporting and after the exporting is finished, MineMarket starts the downstreaming in a separate process. While the downstreaming is running, the export can continue to run on schedule. However, while the downstreaming is running, no change register objects are created for the objects being downstreamed. When the downstreaming is finished, the warehousing runs. If *False*, downstreaming runs first, then exporting and then warehousing. Default: *False*.

Defect Fixes

- **Freshdesk case:** 172097 An issue has been fixed where the control passed status in a snapshot for a linked despatch order could revert to *Estimated* even though the source despatch order had a control passed status of *Actual*.

- **Case:** GEN2-3452 An issue deleting the last cost on the **Service Charges** tab of a despatch order has been fixed by validating that a particular variable can be *null*.

MineMarket 5.5.5 Release Notes (October 2023)

Documentation

- The online HTML5 version of the MineMarket documentation (https://docs.dataminesoftware.com/MineMarket/) includes enhanced search results with glossary terms and previews of screen descriptions. Search for a term and up to 3 matching glossary terms are prioritised above the regular search results. Each glossary term includes links to the most relevant content in the documentation. Matching screen descriptions display in a panel on the right. For MineMarket 5.5.5, the glossary has been expanded to include terms for the user interface, reporting and system administration. This enhanced search functionality is not available in the CHM version of the documentation (the embedded help accessed via the F1 keyboard shortcut within the MineMarket user interface).

Performance Improvements

- When searching, static objects that are already in memory are no longer refreshed from the database. Reducing the number of queries to the database speeds up the response. This change has been implemented for the following objects in MineMarket: AnalyteDef, AnalyteDefExtension, AnalyteGroup, BTTextList, ChartOfAccounts, Company, Currency, DeliveryTerm, InvoiceType, MMCalendar, Route, StatusDefinition, Tax, TruckCategory, TruckDespatchTemplate, TruckType, and UOM. To manually refresh these objects in memory, click the global **Refresh** icon in the quick access toolbar; or on the **Application** menu, click **Refresh**; or press **F5**.

- The search for despatch orders when creating a service invoice now adds more conditions to the database call to reduce the number of items returned from the database, speeding up the in-memory processing.

- The speed of trade profit and loss (P&L) calculations has been improved by adding a new query that gets just the latest settlement from the database instead of loading all settlements and then performing a search on that list. An index has also been added on the ParentActionID, making the search much faster.

- The MineMarket Marketing Service now performs queries on the client side to get the latest state of stockpiles, which reduces the number of queries sent to

the MineMarket Server and speeds up queries, particularly while downstreaming is taking place.

- Indexes have been added for the **InvoiceItems** and **PackageStates** database tables for faster searching by invoice item or package state IDs.

- The performance of the **Hedging Explorer** has been improved when adding and deleting despatch order allocations, editing allocated quantities, locking and unlocking settlements, and saving the changes.

- During snapshot recalculation, the MineMarket Marketing Service updates the quotation period and quotation pricing objects as deleted and then performs the physical deletion in a batch. This reduces the time taken to save the despatch order state records.

- In order to reduce the records in the ServDeliveryOrder table, despatch orders are no longer re-added to the table when costs are reprocessed by the MineMarket Marketing Service.

- Changes have been made to the GetByID and GetByIDMultiple methods to enable objects to be read from the cache if they are already in memory. This change reduces the number of database calls throughout MineMarket.

- **Freshdesk case: 165235** When accessing the **Assay Exchange** tab for a despatch order in contract fulfilment, MineMarket was loading all the packages and movements to calculate the quantities when the assay exchange is composite. Now MineMarket reads the value from the despatch order snapshot.

Inventory Management and Tracking

Manual Blending (Case: GEN2-1472)

- A material type can be specified for WAG, FIFO and LIFO stockpiles. This material type can be used to filter source stockpiles in a manual blend.

- The **Blend Editor** can be used to create manual blends from weighted-average-grade (WAG) stockpiles, first-in-first-out (FIFO) stockpiles and last-in-first-out (LIFO) stockpiles at a single stock location to an existing WAG, FIFO and LIFO stockpile or to a new WAG stockpile at the same location. MineMarket creates the transactions, underlying process flow if required, and optional stockpile surveys.

- The **Blend History** tab of the **Blend Editor** can be used as an explorer for all blends. If you double-click a blend in the history, it displays on the **Blend Criteria** tab. The blend is editable if the blend date is after the latest archive date.

Sales and Marketing

Person in Charge (PIC) and Trader (Case: GEN2-1994)

- The **Person In Charge** of contract execution can be selected in the top-level node of sales and purchase contracts and on despatch orders. The PIC can be used as search criteria and saved in search profiles in the **Contract Explorer**, **Despatch Order Explorer**, **Invoice Explorer** and **Trade Explorer**. When despatch orders are created, the PIC selected for the sales or purchase contract is copied to the **Person In Charge** field on the despatch order. The PIC can be updated for a despatch order. When a despatch order is duplicated or split, the PIC selected on the original despatch order is copied to the newly created despatch orders. The PIC can also be used as search criteria when searching for despatch orders to include in invoices.

- The **Trader** responsible for contract negotiation and administration can be selected in the top-level node of sales and purchase contracts. The trader can be used in search criteria and saved in search profiles in the **Contract Explorer** and **Invoice Explorer**.

Scale Pricing (Case: GEN2-253)

- For sales and purchase contracts where the **Contract Pricing Basis** is *Analyte Pricing*, scale pricing can be configured for tiered contract charges and payable analyte charges (for example, refining charges or treatment charges). Scale pricing can be used where the pricing rules for a charge require different calculations than those used for the payable analyte on which it is based. When a tiered charge's **Tier Concept** is *Payable Analyte Scale Price* and a **Tier Analyte** is selected, the **Scale Pricing** tab displays. The quotation pricing (QP) lines can be copied from the payable analyte pricing configuration or entered directly for the charge.

Other Functionality

- The **Processing Status** in the despatch order header indicates whether the snapshot calculations are waiting for processing by the MineMarket Marketing Service. The three possible statuses are *Pending Save*, *Queued* and *Processed*.

- Despatch order splitting is prevented until the MineMarket Marketing Service has finished processing the despatch order and any despatch orders to which it is connected via a data link.

- **Case: GEN2-1994** (SQL Server databases only) A **Comment** of up to 4000 characters can be entered on the **Details** tab of despatch orders.

- **Case: GEN2-2442** The maximum length of the **Name** of a cost or service charge rate detail is 100 characters.

Commodity Trading and Risk Management (CTRM)

- **Freshdesk case: 169370** An issue has been fixed where the **Total Value** of a futures contract was not being correctly calculated on the **Valuations** tab of the **Hedging Explorer**. The calculation now takes into account the **Premium** defined on the futures contract.

- **Case: GEN2-1994** On the **Trade Explorer**, the **Person In Charge** is included in the search criteria. To improve search performance, the following search criteria have been removed: **Reference Date**, **Start Date**, **End Date**, **Include Date Range**, **Analyte Group**, and **Contract Contacts**. The **Arrival Date** column has been removed from the search results.

- **Case: GEN2-2442** The maximum length of the displayed **Description** for profit and loss line items on the **Trade Detail** screen is 400 characters.

Installation and Upgrades

- The Marketing Service Farms use the error logging configuration specified for the Marketing Service. See **Summary of Changes to the MineMarket Marketing Service Config File** in the Installation Guide. If a Marketing Service Farm has an error, the error log includes the identification number that was specified in the *binPath* setting when creating the Marketing Service Farm. Logging for the MineMarket Marketing Service has been changed to use

inter-process logging, which makes it possible to multiple Marketing Service Farms to log errors at the same time.

AUR Adaptors

- **Freshdesk case: 148489** The AURTransaction adaptor can be used to update existing bulk transactions created using a transaction editor and use object change notification functionality. Note: When updating transactions, the transactions can be moved to another shift if the transaction dates are correct, but cannot change source or destination if the process flow is invalid. The AURTransaction adaptor cannot delete transactions, even if the CSV includes only a subset of the transactions associated with the transaction editor historical entry. However, the AURDeleteTransaction adaptor can be used to delete all transactions associated with a transaction editor historical entry.

Excel Uploader

- On the **CreateDataTables** worksheet, a value can be selected (*TRUE* or *FALSE*) in the G7 cell to control whether running the Excel Uploader stops if there is an error.

    > **Important:** Existing Excel Uploader spreadsheets will not run without this new field. When you copy this G7 cell and its **Halt on Error** label (in F7) into an existing Excel Uploader spreadsheet, you must also define the G7 cell as a named range with the name *StopOnError*.

Defect Fixes

- **Freshdesk case: 138937** An issue has been fixed where the summary information for hedged analytes was not being correctly calculated on the **Hedging** tab of despatch orders.
- **Freshdesk case: 145517** When changing the truck template on a truck despatch, the planned arrival date and planned departure date were not set for the destination. MineMarket now correctly assigns the destination route point and its itinerary dates.
- **Freshdesk case: 150880** The description was not being displayed for some despatch orders in trade profit and loss. The problem was caused by changes to how the TradeAllocationObject is used during archiving. MineMarket now

displays the despatch order description, but only if the despatch order has not been archived.

- **Freshdesk case:** 158021 Changes have been made to the structure of database queries and the use of values already in memory to decrease the chance of deadlocks during price calculation by the MineMarket Marketing Service.

- **Freshdesk case:** 164642 The trade P&L amount of a futures contract was being calculated on the margin price of the futures contract. This calculation has been changed to effectively use the net margin price, which includes the impact of the premium if specified.

- **Freshdesk case:** 164984 The report scheduler in the MineMarket Export and Reports Service has been reworked to resolve a potential duplicate report issue.

- **Freshdesk case:** 165459 The **Time Basis** of costs displayed *Day* for some rate detail bases where a time component was not relevant in **Costs** and **Budgeted Costs** tables. You can select from *Day*, *Month* or *Week* if **Rate Detail Basis** is *Time*, *Time And Dry Mass*, *Time And Gross Mass* or *Time And Wet Mass*. The **Time Basis** is set to *Day* if **Rate Detail Basis** is *Fixed Interest Rate*, *Interest On Gross Value* or *Interest Rate Series*.

- **Freshdesk case:** 166018 An issue where a null object reference error could occur when selecting and browsing tabs quickly in the **Contract Term Overrides** tab of despatch orders has been fixed.

- **Freshdesk case:** 166315 An issue has been fixed where a billboard with pivot tables could freeze if the data was grouped by a column and parameters were updated before refreshing the billboard data.

- **Freshdesk case:** 166500 For a mark-to-market (MTM) snapshot of a despatch order, an issue has been fixed with the calculation of the MTM date based on the **Travel Time Estimate** of a route that matches the **Planned Loading Location** and **Planned Unloading Location**. For a mark-to-market (MTM) snapshot of a despatch order with CIF delivery terms, an issue has been fixed with the display of the loading location. For the default despatch order snapshot, an issue has been fixed with the display of the QP.

- **Freshdesk case:** 167913 If a quotation period header was configured with **Force QP Header** checked, the default despatch order snapshot (that is, when *None* is selected as the snapshot type) displayed the quotation period of the provisional pricing. The default snapshot now correctly displays the final quotation period.

- **Freshdesk case:** 167913 An issue with the display of the **Seller's Bank Account** column in the **Payment Terms » Instalments** table of sales and purchase contracts has been fixed.

- **Freshdesk case: 169797** Additional error handling has been implemented in the AURTransaction adaptor to provide error information if no value is provided for **Create Source** and no **Source** is specified.
- **Freshdesk case: 170325** A refresh issue for the display of valuation and settlement status of hedge positions in the **Hedging Explorer** has been fixed.
- **Freshdesk case: 172311** 'Lazy loading' of despatch order statuses meant that the status of despatch orders was not properly loaded, causing the MineMarket Marketing Service to fail. Changes have been made to how the despatch order statuses are loaded into memory for snapshot processing. An additional change was implemented to not execute a query to find the despatch orders and their types if no despatch order has been affected by a price change and scale.
- **Case: GEN2-3105** An issue has been fixed where MineMarket was not using the evaluation method in the payable analyte to calculate the payable mass that is affected by the mass adjustment for each lot when it is lot by lot.
- **Case: GEN2-3370** An issue has been fixed where changing the status of a despatch order to a read-only status did not always make header fields on the **Despatch Order** screen read-only.
- **Case: GEN2-3372** If a **Person In Charge** (PIC) is specified in the search criteria in the **Trade Explorer**, trades with that PIC selected for either the sales or purchase despatch order display.
- Some 'same key' errors and duplicate report issues when running exports and scheduled reports at the same time have been fixed.

MineMarket 5.5.4 Hot Fix Release Notes

Hot Fix 3 (October 2023)

- **Freshdesk case:** 170617 When a forward curve was updated with new prices, the mark-to-market was recalculated but not the invoice value of despatch orders. Now when a MineMarket Marketing Service farm is saving, if there is an error, the objects are refreshed and the despatch orders are reprocessed.

- The MineMarket Marketing Service was assigning trade and trade items to different farms, which increased the chance of two farms processing the same objects. Now the MineMarket Marketing Service assigns trade and trade item that are in the same queue to the same farm, reducing the chance that objects are being updated by another farm.

- An issue with how extended data for companies is stored has been fixed.

Hot Fix 2 (September 2023)

- **Case:** GEN2-3284 An issue where determining the route of a despatch order from the global cache could cause a processing loop has been fixed.

- Whether changes to package states trigger the MineMarket Marketing Service to recalculate snapshots is configurable via the **Snapshot Trigger Priority Editor**.

Hot Fix (August 2023)

- **Freshdesk case:** 164807 An issue where a fixed price charge was not being added to a forward price has been fixed.

- **Freshdesk case:** 165459 The **Time Basis** of costs displayed *Day* for some rate detail bases where a time component was not relevant. You can select from *Day*, *Month* or *Week* if **Rate Detail Basis** is *Time*, *Time And Dry Mass*, *Time And Gross Mass* or *Time And Wet Mass*. The **Time Basis** is set to *Day* if **Rate Detail Basis** is *Fixed Interest Rate*, *Interest On Gross Value* or *Interest Rate Series*.

- **Freshdesk case:** 166061 When a despatch order is split, the **Loan Amount** of any finance cost is split pro-rata. The **Value** of finance costs with a rate detail basis of *Fixed Amount Per Despatch Order* is also split pro-rata.

- **Freshdesk case:** 166061 An issue where the columns specific to finance costs were not being displayed in the **Service Charges » Costs** table in despatch orders and contract terms has been fixed.

- **Freshdesk case:** 166282 An earlier version of the **AURMineSource** adaptor class has been made available as **AURMineSourceSurvey**.

- **Case:** GEN2-3196 An issue has been fixed where an extra mark-to-market (MTM) trade was being created for a despatch order that was hedged. The issue was occurring when the despatch order was updated or processed by the MineMarket Marketing Service to create new snapshot.

MineMarket 5.5.4 Release Notes (July 2023)

Documentation

- The documentation of the reference dates for quotation period expression functions includes which fall-back dates are considered if the expected reference date is not available.

- The online HTML5 version of the MineMarket documentation (https://docs.dataminesoftware.com/MineMarket/) includes enhanced search results with glossary terms and previews of screen descriptions. Search for a term and up to 3 matching glossary terms are prioritised above the regular search results. Each glossary term includes links to the most relevant content in the documentation. Matching screen descriptions display in a panel on the right. For MineMarket 5.5.4, the glossary includes terms for inventory management and tracking, transportation and logistics, sales and marketing, and commodity trading and risk management. The glossary will be expanded in future releases to include other MineMarket terminology. This enhanced search functionality is not available in the CHM version of the documentation (the embedded help accessed via the F1 keyboard shortcut within the MineMarket user interface).

Performance Improvements

- **Freshdesk case: 150230** To improve performance when changing analyte values in a lot sample, new database indexes were created for despatch orders and transactions; and the way data is refreshed for display on the **Lot Samples** tab has been changed.

- **Freshdesk case: 158926** To improve performance when processing snapshots, the MineMarket Marketing Service reviews the queue before each run to see if there is precedence for execution. If there is a precedence then it updates the priority accordingly. For example, if a source despatch order of a data link is queued for reprocessing, its target despatch orders are queued for reprocessing as the next priority.

- **Case: GEN2-3084** The MineMarket Marketing Service now loads the latest forward prices for each forward price series into memory and uses those values during the snapshot calculations. This change improves performance because it reduces the number of calls to the database. This change also

allows snapshots that may have an estimated invoice date in the future or in the past to use the latest forward prices. This functionality is only applicable if the snapshot settings specify to **Estimate Price If QP Unfinished** and have **Price Sources** set to use forward curves.

- To improve performance when archiving trade profit and loss (P&L), the CopyTo() methods in ITradeDetail implementations (TradeDetail, TotalTradeDetail, MTMTradeDetail and MockTradeDetail and ReferenceTradeDetailEqualityComparer) have been changed to use TradeAllocationObjectID instead of TradeAllocationObject.

- MineMarket was adding a lot of entries in the DODownstreamregister during despatch order creation. Now only despatch order entries are added into the DODownstreamregister when despatch orders are created. This change reduces the number of items to be processed by the MineMarket Marketing Service.

User Interface

- Keyboard navigation in the **Property Window** in the **Navigation Pane** has been enhanced. **Up** and **Down** arrows can be used to move between fields. Data entry controls such as drop-down lists and date/time selectors can be opened by pressing **Enter** and closed by pressing **Esc**.

Inventory Management and Tracking

- The right-click menu for stockpiles and mine sources in the **Supply Chain** panel in the **Solution Explorer** includes the **Move Stockpile** option. The **Move Stockpile** screen can be used to move a stockpile or mine source to another location or to another stockpile category.

Sales and Marketing

- The **Start Date** and **End Date** search criteria have been replaced with a **Date Range** on the **Despatch Orders** node of sales and purchase contracts.

- **Freshdesk case: 144729** The **Decimal Places** and **Secondary Decimal Places** settings on the **Currencies** tab of contract terms control the number of decimal places used for invoice line item values in snapshots and invoices.

These settings apply to invoice line item values only and do not affect total and due amounts.

- **Freshdesk case: 87939** The **Default Journal Reversal Method** setting on the **Sales and Marketing** tab of the **Options** screen specifies the default reversal method (*Incremental* or *Full Reversal*) for journals associated with invoices and invoice revaluations.

- When selecting sample results to be included in an assay exchange, the **Selected Laboratory** and **Result** values can be updated for all samples using the **Select All** right-click menu option on the column heading for the required laboratory or the **Mean**.

- **Case: GEN2-3052** When splitting despatch orders, **Priced** quantities in the last (right-most) quotation period (QP) column can be blank to allow for variations in quantity. Negative quantities can also be entered for any QP.

- The **Expression Editor** includes functions in the *Despatch Order/Despatch* category to allow a vessel's deadweight and length of cargo area to be used in expressions.

- Contract link templates simplify the configuration of contract links in sales and purchase contracts and manual links between despatch orders.

- For linked contract configuration and linked despatch orders, the *Ship To* and *Ship To Address* synchronisation options have been renamed to *Ship To / Receive From* and *Ship To Address / Receive From Address*.

Commodity Trading and Risk Management (CTRM)

- **Freshdesk case: 154239** Hedge positions can be created for a fractional market contract quantity. To use this functionality, edit the **Contract Decimal Places** for the market commodity.

- MineMarket can send an email alert if a scheduled hedge revaluation has an error, either in calculations or in locking. The configuration for these email alerts is per hedge revaluation stream. Email alerts are not sent for errors in hedge revaluations that are run manually.

Reports and Billboards

- **Freshdesk case: 154239** Values for date parameters in billboards, billboard schedules, reports and report schedules can be relative date ranges such as

Previous N Days and *Next N Days*.

System Administration

- Access to all aspects of sampling template maintenance is controlled only by the *Allow analyte sample maintenance* security right in the *Quality* user group security rights group.

- **Freshdesk case: 151922** Extended data can be specified for companies and districts.

- The following object types have been added to the default configuration for the MineMarket Search Service: Billboard Schedule, Billboard Schedule Category, Cash Forecast Report, Cash Forecast Stream, Contract Link Template, Contract Link Template Category, Cost Template, Cost Template Category, Finance Service Contract, Hedge Action, Hedge Action Group, Interest Rate Series, Mark To Market Term, Package Group Batch, Packing Item, Packing Item Category, Premium Matrix, Profit And Loss Category, Profit And Loss Stream, Profit And Loss Report, Repurchase Contract, Tax, Tax Category and Volatility Curve.

- The MineMarket Marketing Service saves changes in batches of related objects, in the following order: objects related to snapshots, hedging, trade profit and loss, and then tolling.

Installation and Upgrades

- All MineMarket installers, executables, and DLLs have been signed with Datamine's digital signature.

- MineMarket is configured by default to use the Secure Sockets Layer (SSL) protocol for encrypted communication between the MineMarket Service and all clients. Clients include the MineMarket Clients, the MineMarket Marketing Service, the MineMarket Data Service, the MineMarket Data Agents, the MineMarket Data Service and the MineMarket Excel Uploader. MineMarket includes a set of self-signed certificates and keys. However, these certificates and keys have an expiry date and only work with a complete installation of MineMarket on a server identified as *localhost*. Contact Datamine for new certificates and keys as required, or use your own certificates and keys. See **Certificate Management** in the **MineMarket Installation Guide** for more information.

MINEMARKET   **DATAMINE**

> **Important:** All custom add-ins and adaptors require code changes to be used with MineMarket 5.5.4 or later, even if you are not using SSL. Contact Datamine for assistance with updating custom plug-ins and adaptors.

AUR Adaptors

- The **AURTruckDespatch** adaptor can be used to update existing truck despatches.

B2MML Adaptors

- All B2MML adaptors have been updated to be compatible with the B2MML V7-2020 schema. There are node name or structural changes for all XML files imported into MineMarket or exported from MineMarket. See the **Class Descriptions** in the **MineMarket B2MML Adaptors Guide** for detailed examples and the **B2MML Adaptors - What's New** page for a summary of the changes.

Excel Uploader

- The Excel Uploader is configured by default to use the Secure Sockets Layer (SSL) protocol for encrypted communication between it and the MineMarket Service. See the **Excel Uploader Guide** for more information.

Defect Fixes

- **Freshdesk case:** 129767 An issue where an adjustment in the trade P&L reappeared after the adjustment was deleted and the P&L was recalculated has been fixed.

- **Freshdesk case:** 136298 During the snapshot recalculation, MineMarket assigns the receipt of document date from the actual invoice to the estimated invoice, but this could cause the invoice calculation engine to delete invoice items. Now the invoice items will not be deleted if the receipt of document is set during the despatch order snapshot recalculation.

- **Freshdesk case:** 136867 The **Property Window** now correctly displays the properties of any selected bulk transaction on the **Loading** or **Unloading** tabs of the **Shipment** screen.

- **Freshdesk case: 141345** During snapshot calculations, there was a validation for the dry mass calculation that the moisture value had to be other than 1 to avoid division by zero. This has been changed to the correct validation, which is if the moisture is other than 100.

- **Freshdesk case: 150423** The rounded UnitPriceTotal was being stored and then retrieved for the calculation of the line item **Amount** in the trade P&L, producing an inconsistent result between the snapshot and trade P&L. Changed to not apply rounding for contract unit price charges when value decimals were not set, to reproduce more accurate calculations in the trade P&L calculation later.

  > **Note:** To update affected trade P&L, the snapshot of the source despatch orders must be recalculated.

- **Freshdesk case: 154866** An issue where greyed-out cells were not set to be read-only for a lab in a shipment lot sample has been fixed. For this particular scenario, the lab was included in the assay rules in the contract term overrides of only one despatch order, but the shipment was associated with multiple despatch orders.

- **Freshdesk case: 155748** The MineMarket Marketing Service had an exception error when a conversion from 'ea' to 'mt' seemed to be required. The 'ea' UOM is no longer available as a **Content UOM** in the details of a despatch order. The 'ea' UOM is only available as a **Unit** on a despatch order if a package type is selected and if the despatch order has not been hedged or assigned a set of mark-to-market terms. For despatch orders where 'ea' is selected as the **Unit**, the **Required Content Mass** is null.

- **Freshdesk case: 157783** Changes have been made to ensure that if an unhandled exception error affects the MineMarket Export and Reports Service, the error is logged and displayed in the console window of the service and the service is able to continue running.

- **Freshdesk case: 158474** The performance of the **Hedging Explorer** when a user updates data such as allocated quantities has been improved by reducing the number of calls to the MineMarket database.

- **Case: GEN2-1931** If a billboard with hyperlinked cells is exported to Excel, the hyperlinks are removed during the export process.

- **Case: GEN2-2574** An issue where the **Despatched Product** field on the **Details** tab of the **Despatch Order** screen was not showing the product of loaded discrete units has been fixed.

- **Case: GEN2-2756** An exception error could occur if the invoice type was changed on an invoice for a despatch order in a data link. For data links with **Create Invoices** checked, if you change the invoice type of the invoice of the

source despatch order, MineMarket now updates the invoice type of the target despatch order.

- **Case: GEN2-2928** Quantities are now included when cascading values to mirrored and reinvoiced values so that invoices of target despatch orders can display correct tonnage for those costs.

> **Note:** To update affected invoices, the snapshot of the source despatch orders must be recalculated.

- **Case: GEN2-2978** An issue where a cost was not being correctly displayed in the P&L due to an incorrect wet mass being calculated for a despatch has been fixed.

- **Case: GEN2-3060** When splitting a traded despatch order, it was possible for the rounding of the split traded quantities to leave a tiny balance, which resulted in an extra trade being created. Improvements have been made to the rounding of the traded quantities to fix this issue.

- **Case: GEN2-3065** An issue with the inclusion in trade profit and loss (P&L) of mirrored and overridden costs from split despatch orders has been resolved. An issue where the name of a reinvoiced cost was reset when copied to a split despatch order has been resolved.

- **Case: GEN2-3105** For a contract with the **Evaluation Method** of the payable analyte mass set to *By Lot*, the **Payable Mass** on the **Assay Info** tab of the despatch order snapshot was showing an incorrect value. Changes have been made to ensure that any configured mass adjustment for the payable analyte is considered when calculating the payable mass of the analyte as displayed in the snapshot.

- **Case: GEN2-3193** An issue with the display of available data link templates when searching for despatch orders to include in a data link has been fixed.

- Scroll bars display if required on the **Certificate** tab of the **Shipment** screen.

- For despatch order data links, validation has been added to prevent the mirroring of both a reinvoiced cost and its original rate detail.

- An issue where deselecting the last despatch of a lot despatch could cause an 'index out of range' error has been fixed.

MineMarket 5.5.3 Patch Hot Fix Release Notes

Hot Fix (June 2023)

- **Case: GEN2-2800** If a cost or service charge rate detail has a specified fixed exchange rate, MineMarket uses that exchange rate to calculate the trade profit and loss (P&L) if the invoice is in a currency different from the currency of the P&L.

- **Case: GEN2-3014** An issue where the despatch order name was not retained during despatch order linking has been fixed.

- **Case: GEN2-3016** MineMarket was considering split accrual service or freight invoices as 'accruals' when processing the P&L. Now they will be considered as 'actual' invoices for the P&L calculation.

- **Case: GEN2-3035** To improve the performance of despatch order snapshot processing during data migration, changes have been made to how MineMarket determines which despatch orders and target despatch orders (of data links) need reprocessing. The following object triggers will recursively add all despatch orders and their target despatch orders: FinalAnalyteResultValue, FinalAnalyteResult, ContractFulfillment, Sample, LotSample, LotSampleRegime, AssayRule, AssayAnalyteRule, SplittingLimit, PackageState, PackageQuality, ContractRate, RatePeriod, BaseRateDetail, ServiceCharge, AssayFactorRule, AssayAnalyteFactor.

- **Case: GEN2-3039** An issue where an object reference exception could occur when splitting despatch orders with reinvoiced despatch rate details has been fixed. An issue where the **Next** button could be disabled on the **Hedge** page of the **Despatch Order Splitting** screen has been fixed.

MineMarket 5.5.3 Patch Release Notes (June 2023)

Documentation

- The **System Administration** section of the help includes new descriptions and examples for the data access layer used in MineMarket, scripting and add-ins. This content is designed for technical consultants who customise how MineMarket works for each installation.

Transportation and Logistics

- When entering data for shipment or service trip laycans, or for vessel nominations, the **(Laycan) Authorised State** can be set to *Tentative*.

Sales and Marketing

Despatch Order Data Links

- **Case: GEN2-2462** Despatch order data links provide a way to have data flow from a source despatch order to one or more target despatch order(s). Linking data in this way automates what otherwise might require manual data entry in multiple despatch orders. When data is updated in the source despatch order and the updates are saved, MineMarket updates the target despatch order(s) automatically. Data links are highly configurable. For example, a target despatch order may take its weights and assays from one source despatch order and its dates to determine risk transfer from another source despatch order. The data link properties are editable for each data link.

  > **Note:** Despatch order data links are an alternative to linked contracts.

- **Case: GEN2-2527** Data link templates can be used when creating a one-off data link between two despatch orders or when setting up a data link in a contract product. Create data link template categories and data link templates on the **Organisations** panel of the **Solution Explorer**. The properties inherited from the template are editable in each data link.

- **Case: GEN2-2528** Data links can be configured in sales and purchase contract products. When despatch orders are created for the source contract product, MineMarket creates the target despatch order(s) for the target contract product(s). The properties of the data link, which are inherited from the contractual data link configuration, are editable in each data link in the despatch orders.

- **Cases: GEN2-2532, GEN2-2740, GEN2-2170, GEN2-2791** If **Weights And Assays** is *Yes* for a data link, the quantities and qualities of the material associated with the source despatch order flow through to the target despatch order. (However, for inter-company data links, the quantities and qualities are replicated from the snapshot of the source despatch order.) If the **Required Quantity** or specifications of the source despatch order are changed, the change also affects the target despatch order(s). If set to *Prorated By Traded Quantity*, MineMarket calculates the target despatch order snapshot(s) using the prorated traded quantity even if less than the minimum required quantity. If set to *No* for a data link, source and target despatch orders take their quantities and qualities from transactions, samples and so on for each despatch order. Regardless of the setting for **Weights And Assays**, costs configured on a despatch are calculated using the weights and assays related to the loading/unloading bulk transactions or discrete unit movements on the despatch. If the despatch has not yet been loaded or unloaded, the required quantity and specifications of the despatch order associated with the despatch are used.

- **Case: GEN2-2793, GEN22805** Depending on the **Weights And Assays** property, trades may be created automatically for a data link if the despatch orders are of opposite types (sales/purchase); are for the same company; have a mark-to-market assigned; are for the same material type; and have the same pricing basis. For trades to be created automatically, **Weights And Assays** must be *Yes* or *Prorated By Traded Quantity*. If **Weights And Assays** is *Yes* for the data link and the **Required Quantity** of the source despatch order is changed, MineMarket updates the trade quantity.

- **Case: GEN2-2526** If **Allow Assay Exchange** is checked for a data link, an assay exchange can be performed for each target despatch order using the assay rules and analyte settlement rules of the target contract. If unchecked, an assay exchange can only be performed for source despatch orders, and target despatch orders inherit the final results from their source despatch order. This property is only applicable if the linking of **Weights And Assays** is set to *Yes*.

- **Cases: GEN2-2463, GEN2-2711, GEN2-2800** If **Cost Mirroring** is either *Full* or *Prorated By Quantity* for a data link, costs can be mirrored from the source despatch order to its target despatch order(s). Select which costs are mirrored on the **Service Charges » Costs** tab of the source despatch order.

The **Activity**, **Name**, **Invoice Scope** and **Fixed Exchange Rates** of the mirrored cost are editable. When invoicing a mirrored cost in the target despatch order, the value is based on the **Impact** of the original cost as mirrored, not recalculated based on any despatch associated with the target despatch order. The value of costs with a **Rate Detail Basis** of *Fixed Amount* or *Fixed Amount Per Despatch Order* is adjusted based on the traded quantity or else the relative quantities in the source despatch order and each target despatch order. Costs with any other rate detail basis are mirrored with their full inverted value.

- If **Cost Mirroring** is *Full* or *Prorated By Quantity*, cost rate details on despatches are mirrored automatically. For example, a source despatch order is added to a truck despatch and then a cost is added on the **Service Charges » Costs** tab of the truck despatch. That cost displays on the **Service Charges » Costs** table of the source despatch order and is automatically mirrored to the target despatch order. If that target despatch order is itself the source of a data link, the cost mirroring cascades to the subsequent target despatch order, and so on.

- **Case: GEN2-2860** If **Cost Mirroring** is either *Full* or *Prorated By Quantity* for a data link configured in a contract product, when despatch orders are created, cost and applicable service charge rate details (that are configured in the contract terms) are auto-mirrored.

- **Case: GEN2-2899** Taxes on costs or service charges are not mirrored with their rate detail and cannot be mirrored separately. However, taxes can be added to the mirrored rate details in the target despatch order(s). If the original rate detail is no longer mirrored, MineMarket deletes any taxes that were added to the mirrored rate detail.

- **Case: GEN2-2529** If **Create Invoices** is checked for a data link, when a sales or purchase invoice is created for a source despatch order, MineMarket creates the sales or purchase invoice for each target despatch order, even if the target despatch order(s) have already been invoiced with a higher or equal invoice type. If you revert an invoice for a source despatch order, you can choose whether to also revert auto-created invoices for the target despatch order(s).

- **Case: GEN2-2458** If **Risk Transfer** is checked for a data link, the snapshot of each target despatch order has the same **Control Passed** date and status as its source despatch order. If **Risk Transfer** is unchecked for a data link, the date when control passes is calculated for each despatch order independently.

- **Case: GEN2-2462** The **Trades And Links** diagram on the **Linked Despatch Orders** tab of each **Despatch Order** screen provides an interactive visualisation of any trades and links applicable to the despatch order. This

diagram includes green arrows for trade allocations to other despatch orders and to sets of mark-to-market (MTM) terms; blue arrows for data links; and black arrows for links created from linked contracts or manual despatch order links. Clicking a despatch order or MTM hyperlink opens the applicable screen. Clicking a trade quantity hyperlink opens the **Trade Detail** screen, which includes the profit and loss (P&L) statement for the trade. Clicking the arrow of any type of despatch order link displays the properties of that link.

- **Case: GEN2-2867** When searching for target despatch orders for a data link, you can search multiple times. Selected despatch orders remain selected, even if you change the search criteria for each search.

- **Case: GEN2-2880** The **Final Quantity** and **Final Dry Quantity** fields on the **Details** tab of a target despatch order display the quantity from the source despatch order if the data link properties include **Weights And Assays** set to *Yes* and the **Weight Value Source** in the snapshot is *Sales Quantity* or *Purchase Quantity*.

- **Cases: GEN2-2932, GEN2-2936** The **Enforce In Final** setting in assay rules does not limit the creation of final invoices for target despatch orders if the data link properties include **Weights And Assays** set to *Yes* (but only for an inter-company data link) or *Prorated By Traded Quantity*.

Cost Management

- **Case: GEN2-2452** The **Service Charges » Costs** tab of a **Despatch Order** screen displays all applicable rate details (both costs and service charges) for the despatch order. The **Rate Source** indicates where the rate details were configured; for example, in the contract, on a despatch or mirrored from a source despatch order. If the rate source is blank, the rate detail was configured in or copied to the current despatch order. For a service charge rate detail, the hyperlinked name of the base service contract or freight contract displays in the **Contract** column.

- **Case: GEN2-2599** The **Impact** is a read-only column on the **Service Charges » Costs** tab that displays the monetary impact of the rate detail on the despatch order snapshot.

- **Cases: GEN2-2452, GEN2-2758, GEN2-2800** Cost and service charge rate details can be reinvoiced. Reinvoicing a rate detail in a despatch order creates a cost in the same despatch order with the **Organisation** of the despatch order as the **Provider** of the reinvoiced cost, and with the **Value** inverted. The **Activity**, **Name**, **Invoice Scope** and **Fixed Exchange Rates** of the reinvoiced cost are editable. If the **Invoice Scope** of the reinvoiced cost is *Freight/Services Invoice* or *All*, a separate service or freight invoice for the

reinvoiced cost can be raised via the **Invoice Explorer**. Reinvoiced costs can be mirrored in a despatch order data link.

- **Cases: GEN2-2606, GEN2-2859, GEN2-2860** The **Contract Settings** node of sales and purchase contracts includes a setting for whether cost and applicable service charge rate details are reinvoiced by default. If the despatch order is a source despatch order of a data link that has **Cost Mirroring** set to *Full* or *Prorated By Quantity*, the reinvoiced costs (but not the original rate details) are also auto-mirrored. Cost and service charge rate details for which the **Provider** is the organisation of the sales or purchase contract are not auto-reinvoiced. However, these original rate details are auto-mirrored if cost mirroring is configured for a contract product data link.

- On the **Sales and Marketing** tab of the **Options** screen, default freight, finance and service activities can be specified for mirrored and reinvoiced costs.

- **Case: GEN2-2598** A sales and marketing setting on the **Options** screen can simplify overriding of contractual cost rate details in despatch orders. If **Copy Contract Costs To Despatch Orders** is checked, each cost rate detail (configured in the applicable set of contract terms) is copied to the **Service Charges » Costs** tab of each new despatch order. These copied rate details can be edited, as if they had been created as costs directly on the despatch order.

- The **Pro Rata Option** displays in the **Costs** table on the **Service Charges** tab of despatch orders; however, this field is only editable for costs in a despatch.

- **Case: GEN2-2454** The **Invoice Scope** is editable for freight and service costs. If the **Invoice Scope** is *Freight/Services Invoice*, the cost affects cost snapshots and trade profit and loss (P&L) and is invoiced with service/freight invoices. If the **Invoice Scope** is *Sales/Purchase Invoice*, the cost affects revenue snapshots and is included in sales/purchase invoices, but not in trade P&L. If the **Invoice Scope** is *All*, the cost affects both revenue and cost snapshots and trade P&L, and is invoiced with service/freight invoices and included in sales/purchase invoices. For service and freight costs on a despatch, the invoice scope is read-only and set to *Freight/Services Invoice*.

- **Case: GEN2-2915** If the applicable despatch order has an assigned **Mark To Market**, the value of a cost or service charge is inverted in line items on sales invoices and trade profit and loss (P&L). For example, if a rate detail is entered with a positive value and the **Invoice Scope** is *All*, the sales invoice includes the rate detail as a negative line item. Likewise, if a rate detail is entered with a positive value and the despatch order is in a trade, the P&L includes the rate detail as a negative line item. However, the **Impact** on the **Service Charges » Costs** tab of the despatch order does not display this negation.

- The validation of what makes a cost or budgeted cost unique has been changed to be the combination of the **Service Type**, **Activity**, **Name** and **Rate Detail Basis**. (This validation of uniqueness is only applicable if **Enforce Unique Costs** is checked in the sales and marketing settings.)

- Budgeted costs are included in despatch order and quota snapshots, and in the profit and loss of trades until they are replaced with a cost or service charge of the same **Service Type**, **Activity**, **Name**, **Rate Detail Basis** and **Type**.

- The **Service Charges » Costs** tab of a **Despatch Order** screen displays mirrored rate details in blue text and reinvoiced rate details in green text. The selected row is highlighted in blue, and if that rate detail has been overridden, you can click the **Impact** cell to have MineMarket highlight the overriding rate or rate detail in green. The first five columns of the **Costs** table are fixed so that they remain visible if you need to scroll the table horizontally.

- **Case: GEN2-2896** A negative number can be entered as the **Value** of a rate detail in a service, freight or finance contract.

Despatch Order Splitting

- **Case: GEN2-2461** When splitting a despatch order, there is a parameter to control whether to create split accrual invoices for service or freight invoices.

- **Case: GEN2-2684** MineMarket splits the invoice instalment due amount of the original despatch total. This allows for the next invoice to consider previous due amounts. However, the split accrual invoice does not have any invoice instalment of its own.

- A despatch order cannot be split if it has samples; however, if the despatch order is loaded with packages, the packages may have samples.

- If the source despatch order of a data link is split, MineMarket creates target despatch orders for the split despatch orders. If **Weights And Assays** is *No* for the data link, MineMarket splits the required quantity of the target despatch orders pro rata. If **Weights And Assays** is *Yes* for the data link, the target despatch orders have the same required quantities as the split source despatch orders.

Bill of Lading Date Estimation

- An **Estimated Bill Of Lading Date** can be entered for a despatch order. This date is used until the **Bill Of Lading Date** is available or until the bill of lading date can be estimated from the route point dates of an associated despatch. This date is only used for determining whether control has passed and for

display in the default despatch order snapshot, and has no impact otherwise on invoicing or other calculations that use the bill of lading date as a reference date.

Invoicing

- Despatch orders can be partially invoiced. This may be useful if a despatch order is allocated to multiple despatches that leave on different dates, or if supplier requests partial payment for material that has been delivered. Configure a default setting per contract, and then control whether partial invoicing is allowed per despatch order. When the despatch order is included in an invoice, you can create partial despatch orders and specify the quantities to be invoiced.

- When creating a service or freight invoice, there are right-click context menu options to **Select All** and **Deselect All** rate details.

- When searching for despatch orders to include in a freight or service-related invoice, if there are only mirrored or reinvoiced costs for the selected **Provider**, the despatch order only displays for selection independently from any associated despatches.

- The **Reference** displays for each invoice instalment in the **Installments** tab of the **Payment Explorer**.

Tax Management

- **Case: GEN2-2469** Invoice instalments can be configured for individual taxes or for the total tax amount of an invoice.

- **Case: GEN2-1394** A tax can be contractually configured to be applicable only to dynamic invoice line items. For each dynamic invoice line item, all applicable taxes are preselected. If all taxes are unselected from a dynamic invoice line item, no taxes apply to the dynamic invoice line item. The taxes cannot be edited for dynamic invoice line items that were created in a previous version of MineMarket.

Charts of Accounts

- An account in a chart of accounts can be disabled. Disabled accounts cannot be used for new journals. However, disabled accounts can be used if you revert a journal that was created while the account was enabled.

- The **Accounts** table in the **Chart of Accounts** screen can be sorted.

Defect Fixes and Performance Improvements

- **Freshdesk case: 133750** An issue where splitting a package duplicated the mass has been fixed.

- **Freshdesk case: 134461** After reverting a final invoice, MineMarket was including a dynamic line item from the provisional invoice in the despatch order snapshot. Only dynamic line items from final invoices should be included in snapshots. The provisional dynamic line item is no longer included in the snapshot, and hence no longer affects the trade profit and loss.

- **Freshdesk case: 138568** An issue in the **Audit Explorer** where the **Search** button remained disabled after changing the search criteria has been fixed.

- **Freshdesk case: 138922** MineMarket validates that the payable analyte has a payable percentage in order to evaluate its charges. When a set of MTM terms is configured to use the physical content configuration, the payable analyte in the MTM has no payable percentages. Now MineMarket validates that the physical payable analyte has payable percentages when the **Use Physical Content Configuration** is checked.

- **Freshdesk case: 139188** All header rows of the table on the **Contract Fulfilment » Assay Exchange** tab in sales and purchase contracts remain fixed when the table contents are scrolled.

- **Freshdesk case: 139381** For a charge in a set of mark-to-market terms, MineMarket was displaying an error if the charge was based on a payable analyte not in the physical contract. Now MineMarket ignores that charge in the trade profit and loss.

- **Freshdesk case: 139382** For a contract charge where the **Value Basis** is *Unit Price* and the **Value Mass Basis** is *Calculated*, MineMarket was assuming the result was a mass value in metric tonnes and then converting that result to the specified **Unit**. Now MineMarket assumes that the expression used for the calculation includes any required unit of measure conversion to the specified **Unit**.

- **Freshdesk case: 139508** During archiving, an error occurred when an analyte quantity for a prorated cost was extremely small. The validation for how many decimals can be stored has been corrected, and quantities that are extremely small (that is, less than a gram when the UOM is metric tonnes) are deemed to have a zero quantity.

- **Freshdesk case: 140213** A trade profit and loss was not recalculating when changes were made to one despatch order and the other despatch order was

in a closed status. The status definitions for despatch orders and trades work independently; that is, only the status of the trade controls whether the trade profit and loss recalculates.

- **Freshdesk case: 140566** An issue that occurred if exporting was enabled while the MineMarket Export and Reports Service was running has been fixed.
- **Freshdesk case: 141785** An issue with the display of the summary row on the **Package Unloading** tab of despatches has been fixed.
- **Freshdesk case: 141786** MineMarket no longer allows hedging allocations to be edited on the **Hedge** tab of a despatch order in a *Closed* status.
- **Freshdesk case: 142773** When calculating the net margin price of a buy futures contract the premium is now subtracted.
- **Freshdesk case: 144110** The quota end date is no longer used as a possible date for determining when control has passed for a despatch order.
- **Freshdesk case: 144761** MineMarket can now calculate when control is passed based on a DEQ delivery term with **Control Passed** set to *Unloading*.
- **Freshdesk case: 145203** The length of the **EvaluatingExpression** property in the **InvItmRsltAncillary** database table has been increased to ensure that very long formulae for contract charges with currency conversions can be correctly calculated.
- **Freshdesk case: 145203** An issue with the display of taxes for selection in a contract charge in contract term overrides in a despatch order has been fixed.
- **Freshdesk case: 146076** An issue with the calculation of journal entries when the **Payment Term Concept** was set to *Net Amount before adding Tax* has been fixed.
- **Freshdesk case: 148628** Validation was added to prevent a duplicate key error occurring if a trade is renamed while it is in the queue for downstreaming.
- **Freshdesk case: 148652** The *GetPriceSeriesValueQP* function was not calculating using forward prices. The function now uses the latest effective start date when a date range does not have any prices set.
- **Freshdesk case: 147550** When calculating the MTM snapshot for a despatch order, MineMarket was not considering the **Delivery Duty** of the despatch order. This delivery duty is now used to determine the premium applicable to the MTM snapshot.
- **Freshdesk case: 148664** When analyte pricing was overridden in a despatch order, an MTM snapshot configured to **Use Physical Payable Content Configuration** was not calculating a price. The overridden pricing is now used for an MTM snapshot that uses pricing from the despatch order.

- **Freshdesk case:** 150476 Searches by date range were slow in the **Lot Despatch Explorer**. The filtering has been changed to use SQL, which has improved the performance of this screen.

- **Freshdesk case:** 154466 For an invoice that was in a currency that was different from the currency of a trade P&L, MineMarket was showing a service charge in the trade P&L as a value in the currency of the invoice. Now MineMarket uses the **P&L Exchange Rate Method** in the district configuration to determine the exchange rate to convert the value to the currency of the trade P&L.

- **Case:** GEN2-1394 A service invoice included multiple costs, each of which was configured with a tax. In the invoice, MineMarket was calculating the taxes only for the first cost. Now MineMarket calculates the taxes for all selected cost rates.

- **Case:** GEN2-2662 Validation was added to ensure that a despatch order with an unlocked reverted sales, purchase, service or freight invoice cannot be split.

- **Case:** GEN2-2684 A split accrual invoice existed for a split despatch order; however, MineMarket was not considering its instalments when creating the next invoice. Now MineMarket ensures that the instalments are loaded into memory so that they can be copied to the split invoice.

- **Case:** GEN2-2727 In data link properties, if **Weights And Assays** is not *Yes*, the **Allow Assay Exchange** property now displays as unchecked as well as being read only.

- **Case:** GEN2-2716 When unchecking **Reinvoice Costs** for a whole despatch order, only reinvoiced costs for which no invoice has been raised are deleted. If an invoice has been raised for an reinvoiced cost, you cannot uncheck **Reinvoice** for the original rate detail. If an invoice has been raised for an mirrored cost, you cannot uncheck **Mirror Cost** for the original rate detail. A tooltip displays as applicable.

- **Case:** GEN2-2747 MineMarket was aggregating mirrored and reinvoiced costs in the trade P&L. These costs now display as separate lines in the P&L.

- **Case:** GEN2-2748 An issue with reverting partial invoices has been fixed by adding validation to ensure that only the last invoice can be reverted.

- **Case:** GEN2-2752 An issue with the copying of applicable taxes for charges in contract terms when a contract is duplicated has been fixed.

- **Case:** GEN2-2756 MineMarket was creating additional invoices for a target despatch order when an invoice was created for the source despatch order in the data link. The issue occurred when the previously created invoice could not be found because another invoice with a different invoice type and later invoice date existed for the target despatch order. Additional criteria have

been included to ensure that MineMarket selects the latest invoice per invoice type.

- **Case: GEN2-2759** Mirrored costs were displayed on invoices of the target despatch order, but were not affecting the invoice total. Changes have been made to how the value for the hidden field called InvoiceLineEffect is set to ensure it matches the cost in the invoice of the source despatch order.

- **Case: GEN2-2796** Some charges on a despatch order were showing with zero values on the trade profit and loss. Changes have been made to the internal property for the unit price to ensure that updates are saved and calculated correctly.

- **Case: GEN2-2806** An issue with the inclusion of mirrored cost balances in a target despatch order and trade profit and loss has been fixed.

- **Case: GEN2-2823** For a subsequent invoice after splitting an invoiced despatch order, the journals were not correct because MineMarket was not considering the split accrual journals. MineMarket now considers these accrual invoice journals.

- **Case: GEN2-2828** Specifications of a source despatch order in a data link were not updating the specifications of the target despatch order. Changes have been made to when the assay collection is initialised and populated so that the values are available before the aggregation to the target despatch order occurs.

- **Case: GEN2-2830** An exception error displayed if a user created or deleted a cost but MineMarket was still processing the mirroring of the costs. Validation was added to ensure the processing completes without error and that costs cannot be deleted if they are still referenced by another object.

- **Case: GEN2-2832** The **Service Charges** tab of the **Despatch Order** screen was loading slowly. Code has been modified to perform an asynchronous database lookup when determining the read-only status for the **Mirror Cost** and **Reinvoice** columns.

- **Case: GEN2-2861** An issue where the value of a mirrored rate value was incorrectly inverted in a trade P&L has been fixed.

- **Case: GEN2-2862** An issue with the recalculation of the target despatch order required quantity when data link properties are changed has been fixed.

- **Case: GEN2-2864** MineMarket was not allowing a target despatch order to be split if the source despatch order had sample results. The validation has been changed so that the existence of sample results on a source despatch order does not prevent a target despatch order without sample results from being split.

- **Case: GEN2-2868** An issue with the display of the **Budgeted Costs** checkbox when duplicating a sales or purchase contract has been fixed. This checkbox

controls whether budgeted costs (service, freight or finance) are copied during the contract duplication.

- **Case: GEN2-2872** An issue with the determination of cascading risk transfer across successive data links has been fixed.

- **Case: GEN2-2885** An issue with the auto-mirroring of reinvoiced costs has been fixed.

- **Case: GEN2-2885** An error occurred in contract fulfilment loading data for an analyte for which the assay rule had been modified in a contract term override. Changes have been made to how the collection of analytes is managed.

- **Case: GEN2-2885** To resolve an issue with the pasting of service charges, the option to copy a read-only service charge displayed on the **Service Charges » Costs** tab of a despatch order has been removed.

- **Case: GEN2-2908** An issue with the auto-creation of target despatch orders when a source despatch order is duplicated has been fixed.

- **Case: GEN2-2927** When a mirrored cost was removed on a source despatch order, it was not being removed on the target despatch order. MineMarket uses a column called RateDetailID stored in the InvoiceItemResult table to fetch the relevant original cost. An issued with resetting that field to null has been fixed.

- **Case: GEN2-2928** An issue where mirrored costs in an invoice had *0* value after refreshing the MineMarket Client has been fixed. Note: The **Line Quantity** is still *0* for mirrored and reinvoiced rates because the quantity details are not cascaded for mirrored rates.

- **Case: GEN2-2943** An issue where the **Accounting Group** was not copied to service invoices created while splitting a despatch order has been fixed.

- **Case: GEN2-2945** An issue where **Reinvoice** could not be unchecked for an individual cost has been fixed.

- **Cases: GEN2-2946, GEN2-2947** Two issues where the incorrect quantity was used for calculating some trade P&L and invoice costs have been fixed.

- **Case: GEN2-2948** An error was displayed when a user changed the invoice date of an invoice that included a dynamic invoice line item. Changing the date clears the invoice items but should not clear the dynamic item. Code has been updated to ensure the dynamic item is retained without error.

- **Case: GEN2-2950** Overridden provisional quotation pricing was being deleted when splitting a despatch order. Now MineMarket only deletes overridden final pricing, which is replaced with the values specified during the splitting.

- **Case: GEN2-2952** An issue where costs were not being refreshed properly in the **Service Rates** table of invoices has been fixed.

- An error when exporting to WCF was caused by having no Client registered for the task running the export. MineMarket now registers the thread at the start of each task.

- An issue where a configured instalment for a tax amount was not displaying on a customer's invoice has been fixed.

- The **AURUnloadTruck** adaptor was not processing unloading transactions if there were no recorded loading transactions. The adaptor has been updated to handle this scenario.

MineMarket 5.5.3 Hot Fix Release Notes

Hot Fix 2 (February 2023)

- To use OAuth for email authentication, you need access to an Azure OAuth application. Connect to the Azure OAuth application via the **Azure OAuth Configuration** screen.

  > **Note:** Any existing OAuth configuration needs to be reauthenticated after upgrading to this version.

- The *Allow the user to maintain OAuth accounts* security right in the *Options* user group security rights group controls whether users can edit settings in the **Azure OAuth Configuration** screen and sign in and out of email accounts that are used for OAuth email configuration in the **Warehouse Settings** screen and for email groups in the **Alert Editor**.

- **Freshdesk case: 142431** Fixed an issue that was preventing the recalculation of snapshots from the **Trading** tab of the **Despatch Order** screen.

- During the despatch order splitting process, MineMarket was only copying the default quotation pricing (QP). Now MineMarket also creates a copy of the optional QP and the declared QP.

- During the despatch order splitting process, MineMarket was not considering the declared QP for unknown pricing. Now MineMarket pro-rates the declared QP among the split despatch orders. An issue with an empty column on the **Pricing** page of the **Despatch Order Splitting** screen was also fixed.

Hot Fix 1 (November 2022)

- An exception error calculating a trade could occur in a very limited number of scenarios. This issue with the MineMarket Marketing Service has been fixed.

- The MMServerName (introduced in MineMarket 5.1.12, MineMarket 5.4.2 and MineMarket 5.5.0) must be updated manually, in order to ensure that emails cannot be sent inadvertently from a database that has been restored to a different server. An issue that was introduced with this functionality in MineMarket 5.5.3 has been fixed.

- Fixed an issue where the MineMarket Server could crash when running an alert with a particular email configuration.

MineMarket 5.5.3 Release Notes (November 2022)

Performance Improvements

- When the MineMarket Server starts, the configuration for scheduled billboards, scheduled reports, alerts and hedge revaluations is loaded into memory. This reduces the need to read from the database for these objects. Configuration changes for these objects are included in object notifications to ensure that MineMarket always uses the most up-to-date configuration for scheduled tasks.

- Primary keys have been changed to use clustered indexes, which means that SQL Server database queries can run more efficiently if they use the object ID.

- Indexes have been added to the InvoiceDespatchTotals, InvoiceRateDetails, DespatchDespOrders, ContractRates and Invoice tables to improve the performance when retrieving invoices from the database.

- Code has been improved to not load collections for new temporary objects when recalculating snapshots.

- The MineMarket Marketing Service was refreshing analyte information every 10 seconds. This information includes analyte definitions and specifications. Now the MineMarket Marketing Service only refreshes the analyte information if there is a snapshot to process. Additionally, if object notification functionality is enabled, the MineMarket Marketing Service monitors changes to analyte information and only refreshes this information if it has been changed.

- Some improvements have been made to memory and graphical device interface (GDI) object management to reduce resource consumption.

User Interface

- Search profile functionality has been extended to the **Lot Despatch Explorer**, **Supply Ship Explorer**, **Supply Train Explorer** and **Container Explorer**. The **Date Range** selector and searching with **F3** have been implemented on these explorers and the **Batch Explorer**.

- You can press **F3** instead of clicking **Search** in any screen.

- When configuring a user group, you can specify which tabs in invoice screens display or are hidden for that user group, and in which order the tabs display.

Inventory Management and Tracking

- When adding a process flow to a production and demand plan, the default product source is *Movement*. The product source can be changed to be the source or destination stockpile if required.

- When configuring a packing process flow, you can specify whether to exclude the packing transactions from downstreaming. For example, for packages created from a 'dummy' stockpile after a transformational process, such as packing copper cathodes, downstreaming is not required for the packing transactions.

Transportation and Logistics

- **Freshdesk case: 33558** Planned and actual berths at the loading and unloading route points can be recorded for service trips.

- **Freshdesk case: 124466** The barge can be changed for a service trip that has (un)loading information if the user has the *Allow the user to change the barge after service trip loading* security right. In this scenario, (un)loading information refers to loading or unloading plans, opening surveys, bulk transactions, discrete unit movements or delays. If the new barge has the same hold structure as the original barge, any (un)loading information is recreated for the matching holds of the new barge. If the barge has a different structure, any opening surveys must be deleted before the barge can be changed. If the new barge has only one hold, all (un)loading information is recreated for that hold. If the new barge has a different structure, the **Barge Structure Mapping** screen displays the holds of the original barge, and the user can select the new hold for each.

- **Freshdesk case: 126956** The **Train Explorer** displays the consignment number of each train.

- **Case: CR-170653** The logic to determine despatch load states has changed. Possible load states are:

  - *Empty*—No transactions exist.

  - *Loading*—At least one transaction onto the despatch exists.

  - *Loaded*—At least one transaction onto the despatch exists and actual end loading date has been entered.

  - *Unloading*—At least one transaction from the despatch exists.

MINEMARKET   **DATAMINE**

- *Fully Unloaded*—At least one transaction from the despatch exists and actual end unloading date or actual departure date has been entered.

Sales and Marketing

- For despatch orders with a closed status, any data related to the snapshot is read-only, including contract term overrides, bulk transactions, discrete unit movements, samples, certificates, assay exchanges, invoices, hedging allocations, and trades.

- You cannot change a despatch order status to a closed status if there is an unlocked invoice for the despatch order. This limitation also applies if a linked despatch order has an unlocked invoice and the linked despatch order status is synchronised.

- A despatch order can be split into multiple despatch orders. This may be useful if a future planned delivery needs to be despatched in smaller amounts, or if an already loaded shipment needs to be split for invoicing, finance or different payment terms. To be split, the despatch order must have a selectable (but not initial) status, and may have linked despatch orders; loading/unloading bulk transactions and discrete unit movements; invoices, hedging allocations and trades. However, the despatch order cannot be a linked despatch order, a parent despatch order or a child despatch order, and it cannot have any samples. When splitting a despatch order, you can edit trade allocations, quotation period (QP) pricing, and hedging allocations. MineMarket creates applicable pricing lines, costs and service charges as contract term overrides on each despatch order. Despatch order details (except quantities), specifications and the status history are copied to the new despatch order(s). If the original despatch order was already invoiced, MineMarket creates a 'split accrual' invoice. This split accrual invoice reverses the journals of the original invoice, and creates journals for the amounts allocated to the split despatch orders. A custom invoice type for use with split accrual invoices must be configured on the **Invoice Types** screen. This invoice type must allow accruals and not have payment due.

- When duplicating a sales or purchase contract, the credit line is only copied if the contract type and organisation are the same in the original and duplicate contracts. If they differ, the credit line is set to *Use Organisation Default*.

- **Freshdesk case: 74314** When entering a contract rate detail with a **Rate Detail Basis** of *Demurrage/Despatch*, the default **Invoice Scope** is *Demurrage/Despatch Invoice*.

- When creating a repurchase contract, the price is used to create fixed pricing for the repurchase contract as well as for the strike price if the open action is

immediately hedged. Separate dates for the maturity date of the repurchase contract and the maturity date of the hedge position can be entered.

- The **Services** table on the **Costs** tab of despatch order snapshots; repurchase actions in repurchase contracts; and quotas in sales or purchase contracts can be sorted.

- **Case: GEN2-2058** A setting on the **Sales and Marketing** tab of the **Options** screen controls whether costs and budgeted costs must have a unique combination of the **Name**, **Rate Detail Basis** and **Type**.

- The *Due Date* option has been removed from exchange rate methods in configuration of charts of accounts. On upgrade, any charts of accounts using that option will be changed to use the *Journal Transaction Date* option.

- **Freshdesk case: 133408** When configuring an invoice revaluation stream, you can select whether to include prepayment invoices only if they have despatch activity. An example of despatch activity is when the DO is added to a despatch with loading or unloading transactions. If the despatch order snapshot shows the **Weight Value Source** to be anything other than *Required Quantity*, the DO has despatch activity.

Commodity Trading and Risk Management (CTRM)

- **Freshdesk case: 121616** MineMarket only creates trades automatically for linked despatch orders if the despatch orders are for the same company. The despatch orders must also be of opposite types (sales/purchase); have a mark-to-market assigned; be for the same material; and have the same pricing basis (product pricing or analyte pricing).

- For trades with a closed status, adjustments cannot be added, edited or cleared; and the profit and loss cannot be recalculated.

System Administration

- The *Allow the user to view the base data, market data and scripting* user group security right has been deprecated. In addition to other existing security rights, there are 22 new user group security rights (in the *Menu* group) to cover the functionality of the deprecated security right. When upgrading a MineMarket installation, if the deprecated security right was disabled for a user group, these new security rights are disabled for that user group (but can be enabled as required).

- The *Allow the user to view currency and exchange* and *Allow the user to view price series* security rights have been deleted because they duplicated *Allow the user to view the Currency/Exchange Editor* and *Allow the user to view the Price Series Editor*. For upgrades, any user groups that had either right enabled will retain access to the applicable screen.

- The *Allow the user to edit currency and exchange* security right has been moved to the *Marketing* user group security rights group. The *Currency* user group security rights group has been removed.

- The following security rights have been renamed and moved to the *Menu* user group security rights group: *Allow the user to view analyte quality forecasts*, *Allow the user to view interest rate series*, *Allow the user to view premium matrixes*, and *Allow the user to view volatility curves*.

Installation and Upgrades

- The **MineMarket Export and Reports Service** is a back-end process that is in charge of exporting data using the standard MineMarket export process, and running scheduled reports and billboards. See the **MineMarket Installation Guide** for how to install and configure this new Windows service.

- MineMarket configuration includes a setting called **Use Remoting**. This setting controls the communication technology used by the server and client. The value of this setting must be the same on the server and all clients. If *False* (the default setting), MineMarket uses gRPC, which is a newer communication technology to communicate between the server and clients. This newer technology is not better or more functional than prior technologies; however, .NET Remoting is no longer actively developed and therefore must be replaced. This setting will be removed in a future version of MineMarket when the older communication technology is also removed.

- The tracers that are logged for gRPC are configurable for the server and each client. However, leave **gRPC Tracers** with its default setting of *-all* (with a prefixed hyphen) unless you need to debug the gPRC communication layer.

Important: All custom plug-ins and adaptors require code changes to be used with MineMarket 5.5.3 or later, even if you are not using gRPC. Contact Datamine for assistance with updating custom plug-ins and adaptors.

AUR and B2MML Adaptors

- All AUR and B2MML adaptors have been updated to use gRPC by default. If you use .NET Remoting as the communication technology for MineMarket, you need to add a key to the IMS Integration Hub configuration file so that the adaptors can use the same communication technology. See the **Summary of Changes to the the IMS Integration Hub Distribution Manager Service and Server Config Files** topic in the IMS Integration Hub Installation Guide for more information.

Excel Uploader

- A new installation of MineMarket includes **Excel2007Sample.dll.config**, which should be edited to match the application settings for whether to use .NET Remoting.

Defect Fixes

- **Freshdesk case: 119926** Fixed a grouping issue that could create invalid data that could prevent deletion of a billboard.

- **Freshdesk case: 123778** When the user clicked **Search** in the **Package Unloading** tab, MineMarket performed a search of in-memory objects and checked if the package in memory was located in the despatch compartment but not if the package was located in previous despatch locations. Now MineMarket checks if the package in memory is at any previous despatch locations. This will prevent packages that are in memory appearing for a different despatch.

- **Freshdesk case: 124172** Historical reprocessing was using all available prices and hence not correctly calculating the value. A price series configured to use the last known quotation now calculates correctly in historical snapshots.

- **Freshdesk case: 126036** The **Quantity UOM** in the **Total** row of quotation pricing (QP) lines is no longer editable. The UOM is set to the UOM of the payable analyte.

- **Freshdesk case: 126208** Fixed an issue where an exception error was displayed when the **Final Lot By Lot Decimals** value was not set in the assay rule.

- **Freshdesk case: 127377** Fixed an issue where opening reports or print preview caused MineMarket to crash when the Print Spooler service was not running. MineMarket now displays an error message instead.

- **Freshdesk case: 127515** The *Allow process flow maintenance* user group security right was not controlling whether users could change the **Calculate Yield Based Contribution** checkbox on any material flow. This security right now controls all material flow configuration.

- **Freshdesk case: 127617** When testing a particular expression for a price, MineMarket became unresponsive. MineMarket was removing spaces after numbers, even though the particular number was in the name of the price series, and hence part of a string. Issues with a default DateTime and the validation of quotation periods were also fixed.

- **Freshdesk case: 129261** Corrected multiple instances in the MineMarket Marketing Service where invalid data may cause an exception error.

- **Freshdesk case: 129287** For a situation where no assay rule had been configured for a particular analyte, MineMarket was converting the sample value to the default UOM of the analyte, but displaying the UOM of the specification. Now MineMarket converts the analyte value to the UOM of the specification if there is no assay rule configured for that analyte.

- **Freshdesk case: 130087** For final invoice journals being created with a fixed date, MineMarket was not able to identify a provisional invoice with a later invoice date as being the previous invoice. Changes have been made to the calculation to ensure that fixed date journal entries are calculated correctly in this scenario.

- **Freshdesk case: 132341** Fixed an issue in the **Invoice Installments** tab of a payment where the order in which the invoice instalments were selected meant that a negative invoice amount was not correctly applied.

- **Freshdesk case: 134461** An adjustment from a provisional invoice was being included in trade profit and loss, even though the final invoice did not have the adjustment. MineMarket now uses the accrual status to determine which invoice is applicable to the profit and loss.

- **Freshdesk case: 134571** Fixed an issue with billboard schedules where selecting *Auto Select All* would cause an error when trying to run the schedule.

- **Freshdesk case: 135478** Trade profit and loss was including costs with the *Fixed Amount Per Despatch Order* rate detail basis twice. The estimated fixed cost is now ignored.

- **Case: GEN2-1776** Costs that were configured with a rate detail basis of *By Loaded Dry Mass*, *By Loaded Wet Mass*, *By Unloaded Dry Mass* and *By Unloaded Wet Mass* were not always using the correct value for moisture to

calculate the dry mass. These costs were using loading or unloading values based on the **Despatch Fulfilment Type** of the despatch order. MineMarket now uses the values from the location specified in the cost configuration.

- **Case: GEN2-1786** MineMarket now sorts the prices before calculating interpolated prices, leading to more accurate interpolations.

- **Case: GEN2-1850** Fixed an issue where a 50% line item was being added to the **Quotation Pricing Detail** screen when using unknown pricing.

- **Case: GEN2-1901** A rate detail with the *Fixed Amount* basis was configured for a despatch order. When this despatch order was invoiced, the rate detail was available for selection even though the despatch order had not yet been assigned to a despatch. Now rate details with the *Fixed Amount* basis only display for selection if the despatch order has been assigned to a despatch.

- Fixed an issue where cost details and units of measurement were incorrect when using a set of mark to market terms with product pricing with the **MTM Pricing Method** is set to *Physical Configuration*.

- The **Properties Window** now displays properties for contract options, contract links and various contract terms in any **Sales Contract** or **Purchase Contract**; payment terms, instalments, demurrages and taxes in any **Service Contract** or **Freight Contract**; and selected objects in the **Chart Of Accounts** screen, **Contract Explorer**, **Journal Explorer**, **Delivery Term Editor**, **Tax Editor** and **Parity Editor**.

- Corrected an issue where search profiles were displayed for all billboards. Search profiles are now specific to each billboard.

- For a truck despatch with four despatch orders where each despatch order was loaded at a different route point, control was only being passed for any despatch order when loading was complete at the last loading route point. Now MineMarket considers each route point to determine if control has passed for a despatch order loaded at that route point.

- An issue was occurring for a customer when two P&L archiving processes ran before the cut-off time on the previous day. Changes have been made to ensure the expected records are archived.

MineMarket 5.5.2 Hot Fix Release Notes

Hot Fix 2 (August 2022)

- **Freshdesk case:** 132450 An exception of "Value was either too large or too small for an Int32" occurred. MineMarket is now able to manage large alias values.

- **Freshdesk case:** 133560 Costs configured with a rate detail basis of *Percentage Current Invoice* or *Percentage Invoice Value* were not calculating correctly when used with a formula. These rate detail basis types can now use a calculated expression.

- **Case:** GEN2-996 When configuring a date parameter for a report schedule or a billboard schedule, you can select a specific, relative or fixed date, or a shift. Specific date examples: *Day 1 of Current Month*, *Quarter 2 of Previous Year*. Relative date examples: *Yesterday*, *Last Day of Previous Month*, *First Day of Next Month*.

- **Case:** GEN2-2083 In a query, objects with '[' in the Alias were not being returned. MineMarket was replacing '[' with '[[]' in all instances in the *where* statement; however, this was only necessary for *like* operators.

- There is a new security right in the *Contracts* domain security rights group called *Allow the user to recalculate despatch order snapshots on the MineMarket Client*. If assigned, when a user queues the most recent default snapshot of an individual despatch order for recalculation and clicks **Save**, the snapshot is recalculated immediately on the MineMarket Client. This security right may be useful if the MineMarket Marketing Service has a long queue of pending calculations but an invoice needs to be raised urgently. The snapshot is also still queued for recalculation using the MineMarket Marketing Service. This security right has no effect on the recalculation of any other snapshot, all of which continue to be calculated only by the MineMarket Marketing Service.

- Performance improvements have been made to the frequency of despatch order snapshot calculations; the loading of despatch order information when opening a package group; and the loading of associated shipments when opening a truck despatch.

- Billboards are no longer run if a user clicks the **Refresh** icon in the quick access toolbar or **Application** ribbon menu to refresh data from the database.

- The maximum length of string parameters in reports and billboards has been increased from 255 to 2000 characters.

- The saved search profile functionality has been removed from billboards and billboard charts.

Hot Fix 1 (July 2022)

- **Freshdesk case: 125732** In a particular contract link, the sales contract was in dry basis and the purchase contract was in wet basis. Where the sales despatch order was inheriting the required quantity from the purchase despatch order, MineMarket was not converting the quantity to dry basis. Validation has been added so that the quantity is converted to a different basis if required.

- **Freshdesk case: 127518** When attempting to view a print preview within MineMarket, the application backstage was incorrectly being closed. This resulted in the user not being able to view the print preview. Print preview should now function as expected.

- **Freshdesk case: 129687** On the **Trading** tab of a despatch order, right-clicking a trade date was enabling the **Save** button. The issue with the rendering of the cell data in the table has been fixed so that the trade date is not changed.

MineMarket 5.5.2 Release Notes (May 2022)

Documentation

- Full documentation for MineMarket is available online at https://docs.dataminesoftware.com/MineMarket/.

User Interface

- The MineMarket Start Screen can be configured per user group.

- **Freshdesk case 76554** When entering an address for a location, organisation, company or district, you can select the city first. If there is only one city with that name, MineMarket selects the province/state and country. If there is more than one city with that name, MineMarket filters the provinces/states and countries. Alternatively, you can select the country or the province/state first if you want to limit the cities in the list.

- To view keyboard shortcuts for the ribbon menu, press **Alt**. The keyboard shortcuts display over the ribbon tab names and menu icons.

- **Freshdesk case: 76556** You can press **F3** instead of clicking **Search** in any MineMarket explorer (except the **Container Explorer**, **Lot Despatch Explorer**, **Supply Ship Explorer** and **Supply Train Explorer**).

Inventory Management and Tracking

- **Freshdesk case: 92108** The default traceability view specified on the **Options** screen can be overridden on the **Traceability** tab of a mine source, stockpile or despatch.

- **Freshdesk case 72343** In the **Discrete Units Grouping** screen, the default **Mass UOM** is the unit of measure specified for the selected package type.

Transportation and Logistics

- For despatch samples associated with a single despatch order, the **Original Grade Decimal Places** of the analyte's settlement rule determines how many decimal places display for data entry. If there is no settlement rule for the analyte, or if there is no (or more than one) despatch order, the number of decimal places specified for the analyte in the **Analyte Definition Editor** is used.

- When changing the template of a shipment, MineMarket can delete delays that were entered for an unloading route point.

- When searching for incidents and delays for a train, truck despatch, service trip, shipment, supply train, supply ship, container or equipment item, the default date range is the last two weeks.

Sales and Marketing

- **Freshdesk case: 96333** When searching for payments and refunds in the **Payment Explorer**, you can limit the search by bank account.

- When a rate detail is updated, line items in despatch order snapshots not related to rate detail changes are no longer reprocessed by the MineMarket Marketing Service.

- **Case GEN2-1504** In a set of contract terms, a fixed charge can have a calculated value. This change also affects fixed contract charge templates.

- **Freshdesk case: 118031** Costs and service charges with a rate detail basis of *Fixed Amount* now only apply per despatch. Therefore, costs and service charges with this rate detail basis will no longer apply when creating a service invoice for a despatch order without a despatch. Costs and rate details can have a rate detail basis of *Fixed Amount Per Despatch Order*. This rate detail basis is not available in costs or service charges configured on a despatch. Freight invoices can now be created for a despatch order without a despatch. When creating a batch of invoices, you can select or deselect individual service rates for a despatch order or despatch.

- If you have a contractual or manual link between a source despatch order and a linked despatch order, you can create an additional manual link from either despatch order to another despatch order. In the scenario where you link a despatch order to a linked despatch order, this creates a chain of linked despatch orders.

- **Case: GEN2-1610** The **Use Linked DO Despatch Fulfilment Type** setting in contract links and for manually linked despatch orders affects both the quantity and quality of the linked despatch order.

Commodity Trading and Risk Management (CTRM)

- **Freshdesk case: 107567** MineMarket limits the amount of data that is retrieved when searching in the **Trade Explorer**. This **Trade Explorer Data Retrieval Threshold** is configurable on the **Trading Settings** tab of the **Options** screen. The default threshold is *10,000*.

- When setting up a chart of accounts for *Profit And Loss*, accounts can be limited to journals related to adjusted or unadjusted line items.

- **Case: GEN2-1578** Sales despatch orders in a trade can be set to always use weights and assays from the purchase despatch order. This setting controls the point until when to use purchase weights and assays in snapshots, trade profit and loss (P&L) and invoices of the sales despatch order.

System Administration

- The **Options** screen includes settings to control how data is loaded into memory and unloaded for the tabs of the **Despatch Order** screen. If **Load Only The Active Despatch Order Tab** is checked, when you open a despatch order, only the data for the default tab loads. As you select other tabs, MineMarket loads the data required for those tabs. If unchecked, MineMarket loads data for all tabs. The **Unload Inactive Despatch Order Tabs** setting controls when data is unloaded from memory.

Installation and Upgrades

- The **MineMarket Service Config** screen includes a setting for the data type used for batch queries of the MineMarket database. You can select between XML and JSON queries. JSON queries are faster than XML queries. JSON queries can only be used with SQL Server 2016 or newer and if the database **Compatibility Level** is 130 or higher.

- The **MineMarket Service Config** screen includes a setting for whether to prevent downstreaming before exporting.

- Changes were made to several configuration files. See the **MineMarket Installation Guide** for details.

- Whether tabs on some screens are hidden or displayed is configurable for some screens per user group. To improve how quickly the MineMarket Client can start, checking this tab configuration is now performed by the server on start-up. The server only checks tab configuration once after each MineMarket update.

AUR Adaptors

- **Freshdesk case: 120666** In **AURTruckDespatch**, if a truck is not specified, the truck assigned to the truck despatch template is used.

Excel Uploader

- The **QuotationPricing** worksheet has new fields: DeclareByRef (select from Start of Quotation Period, End of Quotation Period and Fixed Date), DeclareByDate, DeclareMonthOffset, DeclareDayOffset. If the Alias1 exists, the declaration configuration is updated. If the Alias1 is new, the declaration configuration is new.

- The **Parent Movement Alias 1** column has been removed from the following worksheets because it was not used in MineMarket and was impacting performance when saving data:
    - **DUDespatchMovements**
    - **DUMovementPackages**
    - **DUPackageGroupMovements**
    - **DUGroupDespatchMovements**

- There is a new **DespatchOrderContractTerm** worksheet to upload contract term overrides for a despatch order.

Defect Fixes

- **Freshdesk case: 80340** The assay exchange calculates the weighted average totals for the **Buyer**, **Seller**, **Final** (and pre-final) columns. This could create different values if the user selected a despatch order after values are saved. Now MineMarket stores these calculated weighted average totals rather than recalculating them any time a user selects the despatch order in

the assay exchange.

- **Freshdesk case: 110943** If a single despatch order is associated with multiple despatches, only one of the despatches must meet the requirement for control to pass for the despatch order.

- **Freshdesk case: 111420** Fixed an issue with manually linking despatch orders that could lead to a crash when manually unlinking despatch orders.

- **Freshdesk case: 111421** Fixed issues with linking and unlinking despatch orders that could leave the status and related hedge allocations in an invalid state.

- **Freshdesk case: 111422** Fixed an issue with the display of quotation pricing (QP) mass for an undeclared optional QP when viewed on the despatch order **Pricing** tab.

- **Freshdesk case: 116056** Fixed an issue with the display of the **Logistics** tab of a shipment when the loading destination stockpile was not a despatch stockpile.

- **Freshdesk case: 116641** When a user runs a billboard, MineMarket checks the owner of data sets from when that billboard has been run in the past. An error would display if a data set did not have an owner. MineMarket now ignores data sets with no owner.

- **Freshdesk case: 116876** When updating or saving freight or service invoices with large numbers of despatches or despatch orders, MineMarket was taking significant time to update the user interface. Changes have been made to reduce the number of calls to the database for the required data.

- **Freshdesk case: 117143** The journal was assigning the payment amount pro-rata among the invoices but assigning the payment charge to only the first invoice. This fails when the payment charge impacts the available amount. Now the payment charge only affects the journal of the first invoice.

- **Freshdesk case: 118579** Improvements have been made to billboards so that objects that are no longer needed are removed from memory after closing the billboard.

- **Freshdesk case: 119662** Indexes have been created to significantly reduce the time required to delete a sample template assigned to a process flow.

- **Freshdesk case: 120583** Split packages were being considered twice in the despatch order calculation if the split was done in transit. Now MineMarket only considers the tonnage once.

- Any closed status in the *Despatch Order* status definition is also not editable and not selectable. However, MineMarket was allowing a user to remove a closed despatch order from a despatch transaction. Now a non-selectable despatch order cannot be removed from a transaction or movement. Neither

can a transaction or movement associated with a non-selectable despatch order be deleted.

- The **Contract Details** field group on the **Sales Contract** or **Purchase Contract** screen can be collapsed even when the contract is read-only. The contract name can be copied even when read-only.

- Fixed an issue where a user was unable to save a transaction because MineMarket was not detecting the data entry. Fixed an issue where the ellipsis for setting stacker or reclaimer data for the source or destination stockpile was displaying on a non-3D transaction.

- The invoice date was being retrieved from a date picker that stored the time even though only the date was displayed. Now MineMarket only stores the date for the invoice.

- When a fixed charge was added to a payable analyte in a contract term, **Optional Method** appeared to be read-only. The **Optional Method** can be specified now for any fixed charge. The options for the **Value Mass Basis** of a payable analyte fixed charge include *Total Analyte Mass* and *Payable Analyte Mass* if the **Value Basis** is *Unit Price*.

MineMarket 5.5.1 Hot Fix Release Notes

Hot Fix 5 (August 2022)

- **Freshdesk case:** 127225 The ability to update existing bulk transactions and use object change notification functionality has been removed from the AURTransaction adaptor in order to reinstate the functionality to delete all transactions of an existing transaction GUID before recreating transactions. An issue processing extended data with the AURTransaction adaptor has also been fixed.

Hot Fix 4 (March 2022)

- **Freshdesk case:** 120556 MineMarket was not converting the quotation pricing (QP) mass from the despatch order unit of measure (UOM) to the price UOM. Now MineMarket converts the QP mass, which can be viewed on the **Pricing** tab of the despatch order and in the **Quotation Pricing Detail** and **Quotation Period Detail** from the despatch order snapshot.

- **Freshdesk case:** 120568 The hedge valuation was using a prompt date in order to determine the forward price. Now MineMarket does not use prompt configuration when calculating valuations of a hedge action.

Hot Fix 3 (March 2022)

- **Freshdesk cases:** 116542 **and** 116686 An issue with the formatting of numeric data was identified. Excess number format warnings were causing an error when exporting to Excel or on a schedule.

- **Freshdesk case:** 117569 MineMarket was not clearing the collection of prices used in the first quotation pricing (QP) line before evaluating the second QP line. Now MineMarket clears the collection in each QP line.

- **Freshdesk case:** 118213 MineMarket was using the latest forward price when evaluating unknown pricing for archive snapshots. Now MineMarket evaluates up to the archive date and uses the price series configuration to determine whether to move forwards or backwards when the QP is in the future.

Hot Fix 2 (February 2022)

- Reports were taking too long to display results. The issue with the Crystal Report viewer was caused by the group box control setting the autoscroll to its container in the OnPaint event. Now the autoscroll is only set once.

Hot Fix 1 (February 2022)

- Scrolling is enabled on the **Details** tab of the **Despatch Order** screen to assist users without access to monitors with the minimum resolution of 1920 x 1080.

- In the **Trade Explorer**, MineMarket was incorrectly building some filtering queries resulting in errors when trying to filter trades by **Trade Name**, **Calculation Errors Only**, **Location**, **Company** or **Contact**. This issue has been fixed and filtering trades should function as expected.

MineMarket 5.5.1 Release Notes (January 2022)

User Interface

- You can specify a web page to display within the MineMarket Client user interface when users log into MineMarket. This **Start Screen** can also be accessed via the **Application** ribbon tab. The **Start Screen** can be an internet page, or a page designed to have interactive elements that can open MineMarket objects.

Inventory Management and Tracking

- **Freshdesk case: 85403** If you delete a sample template from a process flow, MineMarket deletes the sample template from any transaction editor configuration that uses that process flow. However, you can only delete a sample template via the process flow if the sample template has not yet been used to create a sample.

Transportation and Logistics

- The **Options** screen includes a setting for whether to **Enter Times With Despatch Dates**. If checked, times can be entered and are stored for date fields in despatches. If unchecked, only the date can be entered and the time is stored as 00:00:00 (midnight). Existing time data is retained in the database, but is not displayed in the MineMarket user interface. This setting can be overridden for a train, truck despatch, service trip or shipment template. Despatches based on those templates use the template setting instead of this global setting.

- You can enter a surveyor for each despatch route point for reporting purposes. Select from organisations and companies that have the **Organisation Role** of *Draft Surveyors*.

- **Freshdesk case: 76863** The default width of the **Analyte Definition** column has been increased in composite samples on despatches.

MINEMARKET · DATAMINE

Sales and Marketing

- If a forward curve price series uses extrapolation, the interpolated and extrapolated prices are saved in the MineMarket database. You can specify the number of days that MineMarket estimates prices from the **Effective Start** date. Estimated prices (interpolated and extrapolated) display with a grey background and can be overridden. MineMarket estimates prices each time you enter a price and then move to a different row in the **Prices** table. Alternatively, you can use right-click context menu options to calculate or delete extrapolated prices.

- When configuring (forward curve price series) prompts for a market, the basis for calculating the prompt date can be the last business day of the month. You can enter an offset; for example, to use the second-last or third-last business day.

- Multiple banks branches may have the same name but different branch numbers. When selecting a bank branch for an organisation, company or district bank account, the branch number also displays.

- The properties of a contract link can be viewed and edited via the **Linked Despatch Orders** tab of either the source or linked despatch order. For a one-off manual link between despatch orders, these properties are editable.

- **Freshdesk case: 109824** The maximum length of the description of a dynamic line item in an invoice is 100 characters.

Commodity Trading and Risk Management (CTRM)

- Despatch orders can be traded with despatch orders that have a different mass basis.

- The exchange rate method used in trade profit and loss reports can be specified per district. The default method is the last known exchange rate, but the invoice date or journal date can be selected as the exchange rate reference date for line items from actual invoices.

- To reduce the time to display data, several queries for the **Trade Explorer** have been moved to the MineMarket Server. In the **Trade Explorer**, the **Departure Date** column has been replaced with **Planned Despatch Date**. If a despatch order is associated with a despatch, the **Arrival Date** is the actual time of arrival (ATA) of the despatch at the unloading location, or else the

estimated time of arrival (ETA). If there are multiple despatches, the latest ATA (or ETA) is used.

- Performance improvements have been made in the time required to archive trade profit and loss.

System Administration

- The visibility and order of most ribbon tabs is configurable per user group.

- MineMarket supports OAuth 2.0 as an authentication method for emailing warehouse notifications, scheduled billboards, scheduled reports and alerts. If you are testing the email configuration for OAuth for the first time, a Microsoft authentication dialog box displays. Follow the prompts to enter credentials for the account. MineMarket uses Azure Active Directory (AD) OAuth 2.0 to request an access token so that MineMarket can send emails on behalf of the authenticated account. This **From** address must be a Microsoft email account such as an Azure AD or Office 365 account.

- A SQL script can be generated to merge data from one organisation into another organisation. If this script is run, most references to the source organisation's **ID** in the MineMarket database will be replaced with the target organisation's **ID**. Merging addresses is optional. Ownership, bank accounts, tax registration numbers, default payment terms and default accounting groups are excluded from the merge.

- MineMarket pauses observation while invoices are being locked, unlocked or printed and when a billboard is executed. This prevents auto-refresh being triggered while saving into the database. The observation resumes after the saving has finished.

- The search criteria in the **Audit Explorer** have been simplified. Search results can be grouped and filtered. When an audit record is selected, related audit records display. For example, if a user changed the status of a despatch order, you could view audit records for the despatch order. The status change displays among the related audit records.

Integration

Excel Uploader

- Changes were made in the **LotSampleRegime**, **LotSample**, **LotSampleAnalyte**, **DULotSampleRegime**, **DULotSample** and

DULotSampleAnalyte worksheets to manage multi-lab samples.

Installation and Upgrades

- MineMarket is only available as a 64-bit application. The 32-bit version has been deprecated.
- The **TableLockAttempts** and **TableLockSleep** settings have been removed from the **MineMarket Service Config** because the functionality was deprecated.

Defect Fixes

- **Freshdesk case: 71047** In tax rates in the **Tax Editor**, MineMarket was using the decimal places of the unit of measure. Now MineMarket uses the decimal places specified for the tax.
- **Freshdesk case: 104402** Changes have been made to the **Audit Explorer** to prevent users from displaying more than 10,000 rows of data.
- **Freshdesk case: 105068** In one customer's configuration of a shipment route, the first port could be used for loading or unloading, and the second port was for unloading. When determining which unloading location to use for demurrage calculations, MineMarket was incorrectly looking for the first possible unloading location in the route. Now MineMarket looks first for unloading transactions, and then the location at which those transactions occurred. The route plan times at that location are then used in the demurrage calculations. This correction in the logic also has an impact when using generic route functionality; that is when **Assume Generic Unloading Location** is checked on the despatch order.
- **Freshdesk case: 107894** For invoices that are partially paid, an FX revaluation displays the paid amount and the balance. MineMarket now only considers locked payments.
- **Freshdesk case: 110507** When declaring quotation pricing (QP) masses, the declared quantity was being calculated *pro rata* as a percentage of the loaded or unloaded quantity in relation to the expected required quantity of the despatch order. This has been changed so that the declared QP mass is fixed (to the entered value) and the provided price relates to the given QP mass. This allows pricing to be declared for partially loaded despatch orders.
- **Freshdesk case: 111415** A Bulktrak exception could occur when trying to search in **Package Group** screen. MineMarket was trying to cast a

BulkTransaction to PackageGroupTransaction from the filling transactions. Now MineMarket uses the correct type 'BulkTransaction'.

- **Freshdesk case:** 113153 When the mark-to-market (MTM) snapshot is being calculated, MineMarket uses an object called 'EstimatedDespatchOrder'. The estimated despatch order was not getting the correct location. Now it uses the correct location, which is the MTM location.

- **Freshdesk case:** 113231 When determining the premium matrix, MineMarket uses the location (loading or unloading), but for linked despatch orders it was incorrectly using the locations from the despatch instead of the override or planned locations. Now MineMarket uses the correct location.

- **Freshdesk case:** 114506 When trying to create a final invoice for which there were two provisional invoices, one of which was reverted, MineMarket was not able to obtain the latest valid invoice. Now MineMarket obtains the valid invoice even if the reverted invoice has a later date.

- **Freshdesk case:** 114663 When the payment conditions are evaluated for an invoice, MineMarket updates the invoice value of the instalment line item, but the 'RawValueInvCurrency' does not change. This affects the calculation of the instalment for the next invoice.

- **Case:** GEN2-1015 When loading discrete units onto a despatch, MineMarket was identifying the movement flow only by the destination location. Now MineMarket also considers the name of the movement flow.

- **Case:** GEN2-1399 MineMarket was incorrectly creating package quality for package samples. This could result in missing information when viewing the created samples after restarting the MineMarket Client. The missing information is now being correctly saved for analyte values associated with package samples.

- Fixed a logic error that could result in a new hedge position object being associated with the wrong status definition.

MineMarket 5.5.0 Hot Fix Release Notes

Hot Fix 1 (February 2022)

- **Freshdesk cases: 116542 and 116686** An issue with the formatting of numeric data was identified. Excess number format warnings were causing an error when exporting to Excel or on a schedule.

- **Freshdesk case: 116641** When a user runs a billboard, MineMarket checks the owner of data sets from when that billboard has been run in the past. An error would display if a data set did not have an owner. MineMarket now ignores data sets with no owner.

MineMarket 5.5.0 Release Notes (November 2021)

User Interface

- The main menu and various toolbars have been replaced with a ribbon menu. Favourite ribbon menu icons can be added to the quick access toolbar. Double-click a ribbon tab name to hide or display the ribbon.

- Icons throughout the user interface have had a colourful redesign!

- Three colour themes are available for the user interface.

- The **Diagram Static Elements** tab and its associated security right have been removed.

- Keyboard shortcuts can be used for selecting options in drop-down lists.

Inventory Management and Tracking

Locations

- **Freshdesk case: 58911** The **Planned Quantity** field on the **Current State** tab of mine sources has been removed because it is only applicable later in the supply chain; that is, on stockpiles.

- **Freshdesk case: 59688** The **Show Analytes** and **Show Analyte Content** fields have been removed from mine sources because they are only applicable later in the supply chain; that is, on stockpiles.

Bulk Transactions

- The **Start Date** and **End Date** search criteria have been replaced with a **Date Range** in the **Transaction Explorer**.

- **Freshdesk case: 90082** When entering a transaction based on a truck or truck type and a trip count, the calculated quantity of the transaction can be overridden.

MINEMARKET

DATAMINE

Discrete Units

- The **Start Date** and **End Date** search criteria have been replaced with a **Date Range** in the **Movement Explorer**.

Transportation and Logistics

Despatches

- The **Start Date** and **End Date** search criteria have been replaced with a **Date Range** in the **Train Explorer**, **Truck Despatch Explorer**, **Barge Explorer** and **Shipment Explorer**.

- **Case: GEN2-72** When searching for discrete units to load onto or unload from a despatch, the default date range is from two months prior to the current date at 00:00:00 to the current date at 23:59:59.

- When loading or unloading discrete units on a despatch, the total number of units, net mass and gross mass display. The quantities are in the unit of measure of the first movement.

- Unless using a template, trains, truck despatches and service trips can only be created from their respective explorers.

- **Freshdesk case: 94498** Deleting a despatch also deletes any tonnage correction or draft survey on the despatch.

- When entering a lot sample or DU lot sample for a despatch, a **Sample Date** can no longer be entered for the lot sample regime. The **Sample Date** is per lot sample. If multiple laboratories are configured, the overall date for the lot sample depends on the **Default Multi-Lab Settlement Method** of the assay rules.

- The vessel can be changed for a shipment that has loading or unloading information if the user has the *Allow the user to change the vessel after shipment loading* security right. In this scenario, '(un)loading information' refers to loading or unloading plans, opening surveys, bulk transactions, discrete unit movements, certificates or delays. If the new vessel has the same hatch structure as the original vessel, any (un)loading information is recreated for the matching hatches of the new vessel. If the vessel has a different structure, any opening surveys must be deleted before the vessel can be changed. If the new vessel has only one hatch, all (un)loading information is recreated for that hatch. If the new vessel has a different

structure, the **Vessel Structure Mapping** screen displays the hatches of the original vessel, and the user can select the new hatch for each.

Sales and Marketing

Organisations, Companies and Districts

- The **Bank Details** tab has been renamed **Banking Details** in organisations, companies and districts.
- The **Blocked** checkbox on organisations and companies has been removed. Use domain security to control the visibility of organisations and companies.

Sales and Purchase Contracts

- The **Default Values** tab in sales and purchase contracts has been replaced with a **Contract Settings** node. This node has field groups for default child despatch order settings, default locations and default trading settings.
- **Freshdesk case: 89415** All the budgeted costs, costs and service charges in a **Service Charges** node can be copied to another **Service Charges** node. However, if the source or destination node is in contract term overrides in a despatch order, whether **Override Budgeted Costs** and **Override Service Charges** are checked impacts which data is copied or pasted. Pasted data is added to existing data in the destination node rather than replacing existing data.
- When configuring a contract link, you can select whether the **Invoice Target** field on linked despatch orders is automatically synchronised with the source despatch orders.

Repurchase Contracts

- Extended data fields can be configured for repurchase contracts, and for open and buyback actions in repurchase contracts.

Service, Freight and Finance Contracts

- A **Pay To** organisation can be specified in the general details of any service, freight or finance contract.

- Extended data fields can be configured for service contracts.
- **Case: GEN2-989** A UOM cannot be selected when entering a rate detail with a **Detail Basis** of *Fixed Amount*.

Despatch Orders

- Statuses in the *Despatch Order* status definition have a **Closed** property. Statuses that are closed cannot be editable or selectable. When a despatch order has a closed status, the despatch order snapshot is no longer recalculated and the despatch order is read-only.
- **Freshdesk case: 76128** In the **Despatch Order Explorer**, searches can be limited to linked despatch orders, or to source despatch orders. When searching for source despatch orders, despatch orders without a linked despatch order also display.
- The **Bank Detail Overrides** tab has been renamed **Banking Detail Overrides** in despatch orders.
- **Case: ZP315** For despatch orders with a **Despatch Fulfilment Type** of *By Loading Transactions*, MineMarket sets the **Final Quantity Date** to the **Actual End Loading** date or else the first available date out of the **Planned End Loading**, **Actual Start Loading** or **Planned Start Loading** of associated despatches. For despatch orders with a **Despatch Fulfilment Type** of *By Unloading Transactions*, MineMarket sets the **Final Quantity Date** to the **Actual End Unloading** date or else the **Planned End Unloading** date. This date can be overridden.
- When determining tax applicability, the origin of a sales despatch order is the loading location or else the address of the buyer organisation or company; and the origin of a purchase despatch order is the address of the organisation or company in the **Receive From** field or else the address of the seller organisation or company. The destination of a sales despatch order is the address of the organisation or company in the **Ship To** field or else the address of the buyer organisation or company; and the destination of a purchase despatch order is the address of the unloading location or else the address of the seller organisation or company.
- Child despatch orders can only be removed from an aggregated or consignment parent despatch order via the sales or purchase contract.

Invoices

- **Freshdesk case: 56892** In the **Invoice Explorer**, multiple names can be entered as a comma-separated list in the **Search Text** field. Names can also be copied from a single column of an Excel spreadsheet. When searching for multiple names, only exact matches are included in the search results.

- In invoice batch processing, if a material type is selected when searching for despatch orders or despatches to invoice, products are limited to that material type.

- When a despatch order is selected for a sales or purchase invoice, the **Pay To** organisation of the despatch order is set as the default **Pay To** organisation for the invoice. When a rate detail is selected for a service or freight invoice, the contractual **Pay To** organisation is set as the default **Pay To** organisation for the invoice. If a **Pay To** organisation is not set in the despatch order or contract, the **Buyer**, **Seller**, **Bank** or **Organisation** is used as applicable. The **Pay To** organisation of the invoice is editable until a payment has been made for any of the invoice's instalments. Details of the **Pay To** organisation are included in the invoice XML document.

Payments and Refunds

- **Case: GEN2-727** In the **Payment Explorer**, the default sort order is descending.

- When searching for unpaid invoice instalments, a text search can be limited to the **Pay To** organisation of invoices.

- When searching for invoice instalments to allocate to a payment or refund, the **Organisation** of the payment or refund can match either the **Organisation** or the **Pay To** organisation of the invoice.

Journals

- The saved search profile functionality is available in the **Journal Explorer**.

Credit Management

- Refunds impact the available credit for a line of credit. The **Available Credit** for a line of credit is the **Approved Credit** – Uninvoiced despatch orders with

approved credit – Locked invoice instalments + Locked payments – Locked refunds.

Commodity Trading and Risk Management (CTRM)

Hedging

- The **Start Date** and **End Date** search criteria have been replaced with a **Date Range** in the **Hedging Explorer**.

- In the **Hedging Explorer**, a search for hedge positions can be limited to those with a **Settlement State** of *Valued*.

- When searching for despatch orders, quotas or repurchase actions to allocate to a hedge position, the default search date range is from the first day of the month of the quotation period (QP) of the hedge position to the last day of the month of the QP.

- When creating a hedge position and allocation from a despatch order or repurchase contract action, the allocation can be inverted if required. For example, by default, the allocated quantity is considered to be positive for a futures contract with a **Transaction Type** of *Buy*. However, the allocation can be made negative.

- Hedge position with valuations or settlements can be unlocked; for example, in case the hedge position details need to be edited. However, valuations and settlements can still only be created for locked hedge positions.

Trading

- The **Trade Detail** screen displays the date on which the trade was created. For MTM trades, this date is the date of the first P&L calculation and is not editable.

- In trade profit and loss, broker fees display as line items under commodity or FX hedge positions if applicable.

- Trade profit and loss includes demurrage/despatch and freight commission line items if applicable.

- Clicking a hyperlinked trade name in a Profit and Loss report opens the **Trade Detail** screen for the date of the Profit and Loss report. If no historical P&L exists for that date, the **Trade Detail** displays the flash P&L.

- **Freshdesk case: 104156** If the archiving of trade P&L snapshots runs at the same time as or earlier than the cut-off time, both the P&L date and the archive date of snapshots is the previous date. For example, if the cut-off time is 9:30:00 and the archiving runs at 9:00:00 on 16 July, the snapshots have a P&L date and an archive date of 15 July.

Reports and Billboards

- The saved search profile functionality is available in billboards and billboard charts. Saved parameter selections are specific to the currently logged in user and billboard or billboard chart.

- **Case: GEN2-411** Failure retry settings can be configured for any scheduled billboard or scheduled report. These settings are for transient failures. If configured, when a failure occurs, MineMarket waits the specified **Retry Delay** period before attempting the scheduled item again. MineMarket repeats this until it succeeds or the **Maximum Retry Count** has been reached.

- **Freshdesk case: 97211** The length of the **Email Address** field has been increased to 2000 characters for report and billboard schedules.

System Administration

- The *Menu and Toolbar* user group security rights group has been renamed to *Menu*. The *Allow the user to view the base data, market data and scripting* user group security right controls access to the **Base Data**, **Market Data** and **Scripting** icon groups on the **Inventory**, **Logistics**, **Sales and Marketing**, **Trading and Risk** and **System Admin** ribbon tabs. The *Allow the user to view the Tools menu* user group security right has been renamed to *Allow the user to view the Options screen and Server Statistics screen*.

- The *Allow the user to view/edit barge configuration* user group security right has been renamed to *Allow the user to edit barge configuration* and *Allow the user to view/edit vessel configuration* has been renamed to *Allow the user to edit vessel configuration*.

Integration

MineMarket Information Services

- MineMarket upgrades the Data Mart database table structure automatically when MineMarket is upgraded and the **MineMarket Data Mart Service** is started. The **Data Mart Database Status** metric on the **Monitored Services** screen shows whether the table structure of the database is up to date, or the number of upgrade scripts that are pending. Objects affected by table structure changes are added to the reconciliation queue automatically for reprocessing.

- The **Contract** endpoint in the **Marketing** OData feed of the MineMarket Reporting Service and in the MineMarket Data Service displays the commitment of the contract and links to associated contract contacts.

- The MineMarket Data Service includes a **ConversionFactor** endpoint, with details of conversion factors between units of measure.

- The **DespatchOrderState** endpoint in the OData feed of the MineMarket Data Service includes details of costs in the despatch order snapshot.

AUR Adaptors

- The **AURDUBatch** adaptor can be used to create or update a discrete unit (DU) batch.

- The **AURDUMovement** adaptor can be used to create or update package movements.

- The **AURDUPackage** adaptor can be used to create or update packages in a DU batch.

- The **AURHedgePosition** adaptor can be used to create or update hedge positions of any contract type.

- The **AURHedgeAllocation** adaptor can be used to allocate quantities from existing despatch orders to existing hedge positions.

- **Freshdesk case: 33535** The **AURIncident** adaptor can be used to specify incidents that caused the incident.

- **Freshdesk case: 58910** The **AURTransaction** adaptor can be used to update existing bulk transactions created using a transaction editor.

Excel Uploader

- The **FairValueBenchmark** worksheet was renamed to **MarkToMarket** and the **FairValueBenchmarkProducts** worksheet was removed.

- The Excel Uploader includes the following new worksheets:

  - **Freshdesk case: 36024 BargeClass**—Barge Class Name, Barge Class Alias1, Maximum Tonnes, Default Lot Tonnes, Composite Tonnes

  - **ForwardCurvePriceSeriesItems**—Forward Price Series Alias1, Alias1, Effective Date, Forward Effective Date, Forward Price

  - **RepurchaseContract**—Name, Alias1, Bank Alias1, Contract Category Alias1, Company Alias1, District Alias1, Start Date, Maturity Date, Product Alias1, Quantity, UOM Alias1, Price, Open Repurchase Action Alias1

  - **RepurchaseActionPackages**—Repurchase Action Alias1, Package Alias1

  - **BuybackRepurchaseAction**—Name, Alias1, Repurchase Contract Alias1, Quantity, Action Date

- The following worksheets have additional columns:

  - **AnalyteDef**—BT Text List Alias1

  - **MineSourceStockpile**—Product Type (select from Multiple or Single), Planned Quantity, Planned Start Date, Planned End Date, Land Cleared, Min Quantity, Target Quantity, Max Quantity, Intended Organisation Alias1, Status Alias1 (select from configured items in Stockpile Status text list)

  - **Freshdesk case: 33595 TransEditorConfig**—Highlight Transaction Row, Colour, Disable Current State Query

  - **TransactionEditorTransactions**—Despatch Order Alias1 (after the Reclaim Type column)

  - **BulkSurveyEditorConfiguration**—Enforce Shift Calendar Settings (Boolean), Shift Definition Alias1, Shift Date Option (StartOfShift or EndOfShift), Calendar Alias1, Calendar Time Period (Week, Month, Year), Calendar Period Option (StartOf, EndOf)

  - **ContractProducts**—MinimumQuantity, MaximumQuantity (after the UOMAlias1 column)

  - **ContractProducts**—DO Required Validation, Use DO Required Quantity, Allowed Nominations Alias1, Package Type Alias1, AutoFill DO's, Fulfilled Status Alias1 (after the Mark to Market Alias1 column)

- **ContractProducts**—Allowed Qualities Alias1 (after the Use Contributor Contract Links column)
- **FreightContract**, **ServiceContract**—Companies, Districts, Accounting Group
- **OrganisationAddress**—Address Name
- **MarkToMarket**—Product Alias1 (after the Location column), MTM Pricing Method, Use Physical Payable Content Configuration (after the Contract Pricing Basis column)
- **AccountSubConceptLists**—Freight, FreightAndTax and Service, ServiceAndTax. (Use the Update Object Lists button to update the values in these columns.)

- Columns were removed from the following worksheets:
  - **MineSource**—Planned Quantity
  - **MarkToMarket**—Contract Term
  - **ServiceContract**—Address Commission Factor

- Issues were fixed in the following worksheets:
  - **Contracts**—Replaced current MTM Reference Date enumerated values. Correct values: BillOfLadingDate, ArrivalDateAtLoading, ArrivalDateAtDestination, PlannedDespatchDate, StartOfQuotationPeriod, EndOfQuotationPeriod, FixedDate.
  - **ContractTerm**—Code modified to handle MarkToMarket contract term type.
  - **QuotationPricingHeader**—Code modified to handle MarkToMarket contract term type.
  - **FreightContract**—Fixed options for Cancellation Terms and Authorised Party.
  - **ContractCharge**, **ServiceContract**, **FreightContract**, **ChartOfAccounts**, **ContractTerms**, **QuotationPricing**—Fixed options for Exchange Rate Source.
  - **ContractCharge**—Fixed options for Product Condition Basis and Destination Condition Basis.
  - **ChartOfAccounts**—MaxAdjustmentValue accepts decimal values. Document Type includes Refund, FreightRevaluation and ServiceRevaluation.
  - **MineSourceOpeningAnalytes** and **StockpileOpeningAnalytes**—Code modified to fix where empty cells were recording zero values instead of null values.

- The adaptor for the Excel Uploader was modified to fix an issue uploading the analyte group for a location.

- An issue was fixed when the Excel Uploader needs to use the MathEvaluator component, such as when processing despatch orders with costs.

- The following worksheets related to billboards were removed: **Billboard**, **BillboardSQL**, **BillboardScript**, **BillboardDataTable**, **BillboardColumn** and **BillboardVariables**.

- The following worksheets related to transactions were removed:**MineCrusherFeed**, **MineCrusherFeedSample**, **RomCrusherFeed**, **RomCrusherFeedSample**, **RomProduction**, **RomProductionSample**, **PlantFeed**, **PlantFeedSample**, **PlantRejects**, **PlantRejectsSample**, **PlantProduction** and **PlantProductionSample**.

Installation and Upgrades

- .NET Framework 4.8 is required on the Application Server and all MineMarket Clients.

- Windows Server 2019 is supported for the MineMarket Application Server and the MineMarket Database Server.

- Previous versions of MineMarket used a 4-byte unique identifier for each object in the MineMarket database. MineMarket now uses an 8-byte primary key value.

- **Important:** You must recompile any add-in, report DLL or IMS Integration Hub adaptor that has a relationship to a MineMarket base object, so that they can use the new primary key data type. Any add-in that stores database objects that use *BTKey* as their primary key require a database upgrade script. Contact your Datamine representative for assistance with recompiling files and generating upgrade scripts.

- The storage type for *Int* extension objects has been changed to 8 bytes, which allows you to use extension object fields as references. If your custom add-ins make use of these fields, you may need to change the value that you store to an 8-byte value.

- When upgrading to MineMarket 5.5.0, in order to use emailing (for warehouse notifications, scheduled billboards, scheduled reports and alerts), the **MMServerName** must be stored in the MineMarket database. The stored **MMServerName** is used to validate that any emails can only be sent from the intended installation. The **MMServerName** is the combination of the domain name and the machine name where the MineMarket Server is installed, and is stored as an encrypted value. Therefore, if transferring a database between

multiple environments (such as for testing or production), the **MMServerName** must be cleared and reset. See the **Upgrades** section of the MineMarket Installation Guide for more information.

- In MineMarket Service Config, the default **ExportAssemblyName** matches the name of the standard integration DLL. The default value for **GenerateChangeRegisterObjects** is false to minimise the size of the **ChangeRegister** table for customers not using exporting. The **UseServerSideConnections**, **BulkLoadPath** and **DisableBatching** settings have been removed.

- By default, the configuration file for the Data Mart Agent (**DataMartAgent.exe.config**) includes Unity configuration, which provides a mechanism for including additional runtime components. This default Unity configuration includes definition of components used for logging.

- The MineMarket Installation Guide includes configuration information for secure integration with IMS Integration Hub and Production Accounting.

Defect Fixes

- **Freshdesk case: 59014** An issue was identified where quantities could be entered for mine sources when using a survey editor to enter survey data. Survey editors now only allow quantities to be entered for stockpiles.

- **Freshdesk case: 55114** After loading a package group onto a shipment, a user unpacked the package group and was then unable to delete the loading movement because the movement was no longer the latest activity of the package group. An option to repack the packages now displays on the *Unpacking* activity of the (parent) package group if the unpacking is the most recent activity for the package group and its packages.

- **Freshdesk case: 56869** When deleting a mine source, its stockpile category was becoming detached from the stockpile hierarchy. Changes were made to ensure that the hierarchy remains intact when deleting mine sources.

- **Freshdesk case: 66878** Updated warehousing to prevent the analytes collection on a bulk survey from being cleared when reimporting a file to create or edit a mine source with an initial survey. Importing the file once was okay, but rerunning the file for an edit caused the bulk survey analytes collection to be cleared.

- **Freshdesk case: 67848** The *Round* function in the **Expression Editor** was incorrectly rounding down if the next digit was a 5. This defect has been fixed in the third-party component.

- **Freshdesk case: 81646** In the **Discrete Unit Batch** screen, the **Comment** field has been moved to the header fields because the comment is about the batch rather than the packages. The discrete unit division (which can be selected from the divisions under the destination location of the selected **Packing Process Flow** when creating packages) defaults from the packing template.

- **Freshdesk case: 92380** GST was being applied incorrectly on some purchase invoices. MineMarket was not distinguishing between sales and purchase when determining which organisation or company address to match with the provinces/states selected for the origins and destinations in the tax configuration. When determining tax applicability, the origin of a sales despatch order is the loading location or else the address of the buyer organisation or company; and the origin of a purchase despatch order is the address of the organisation or company in the **Receive From** field or else the address of the seller organisation or company. The destination of a sales despatch order is the address of the organisation or company in the **Ship To** field or else the address of the buyer organisation or company; and the destination of a purchase despatch order is the address of the unloading location or else the address of the seller organisation or company.

- **Freshdesk case: 98454** MineMarket was not copying the service or freight charges from the contract term to the override section if the override section already had service or freight charges. Now MineMarket deletes the existing charges and copies charges again from the contract term when the user selects **Override Service Charges**.

- **Freshdesk case: 99172** When a certificate is entered using a calculated moisture value, that calculated moisture value was being rounded and used to back calculate the dry mass in the assay exchange. This was incorrect. The values presented in assay exchange now correctly reflect the certificate data entry values.

- **Freshdesk case: 99683** A stockpile category could not be deleted because it was referenced by an historical data set configuration. A descriptive error message now displays. The Alias1 issue related to the UOM of a waste stockpile that was created as an additional product on a mine source. This type of stockpile should only have a volume UOM.

- **Freshdesk case: 104263** MineMarket was creating the linked despatch order during the evaluation of invoices. Now if the **Contract Link Evaluation** is *Manual*, linked despatch orders are not created when an invoice is calculated.

- **Freshdesk case: 104544** When modifying the route for a shipment based on a template, MineMarket allows the user to remove the route from the shipment. However, this resulted in unexpected data being saved to the

database. MineMarket now removes the reference to the shipment template when the user customises the route.

- **Freshdesk case:** 104710 MineMarket was creating the daily pricing detail when a price was fixed and the spot pricing date was entered. Now MineMarket does not create records for daily pricing if the price is a fixed price.

- **Freshdesk case:** 104820 The Commodity Exposure report was displaying the contract ID but now displays the organisation name. The other reported issue is working as designed. The despatch order has a quotation period of October but has been allocated to futures with maturity date in September, which is why it shows as exposure in September.

- **Freshdesk case:** 104828 Corrected an issue where users without the *Allow the maintenance of chart of accounts and account groups* security right were not able to see the accounts for a selected chart of accounts. Corrected issues where some drop-down fields were editable for users with that security right.

- **Freshdesk case:** 105523 The demurrage rate detail copying was not being related to the demurrage item from the parent contract when copying and pasting. Now if demurrage rate details are copied between contracts, the demurrage item will be correctly linked to the parent demurrage items if they exist.

- **Freshdesk case:** 106067 The MineMarket Marketing Service creates an EstimatedDespatchOrder object in order to estimate the mark-to-market (MTM) snapshot. The DeliveryDuty field has been added to the estimated despatch order so that the premium matrix can be found.

- **Freshdesk case:** 107225 The **Despatch Order Search** accessed from the **Package Group** screen was searching for despatch orders that were not associated with any despatch. That restriction has been removed; however the search excludes despatch orders that have been marked as fulfilled.

- **Freshdesk case:** 108736 In order to help with the speed of deletions, a new index for the **SampleAnalyte** table was added. The field used is **SelLabSampleAnaValueID**.

- **Case:** ZP133 When using farms, the MineMarket Marketing Service now processes trade items after processing the despatch order snapshot.

- **Case:** ZP181 For billboards with grouped data, the grouping was not retained when the billboard was exported to Excel. Now the grouping is retained when the billboard is exported to Excel manually or by using a billboard schedule.

- **Case:** ZP293 On the **Pricing** tab of despatch orders, the **Price** column showed values with different numbers of decimals. The configuration of the number of decimal places may be specific to a quotation pricing line, or to the

quotation header. The decimal places are now stored in the snapshot to ensure correct display on this tab.

- **Case: ZP345** An unknown quotation pricing line was declared before all actual prices were available. Because the pricing was declared, MineMarket considered the price to be final and allowed the final invoice to be created. Declared pricing that uses forward prices is no longer considered to be a final price, and cannot be used in final invoices (although it can be used in despatch order snapshots).

- **Case: ZP424** MineMarket was adding the tag "Installment Value" in the log when the instalment is based on a monetary value. Having a tag with a space makes the XML invalid. Now MineMarket adds the tag without a space: "InstallmentValue".

- **Case: GEN-926** Issues were found where data could be edited in some columns in the **Contract Explorer**, **Invoice Explorer** and on the **Invoices** tab of despatch orders. This data is now read-only.

- **Case: GEN-963** An error sometimes displayed when saving a blend result. MineMarket now includes additional error checking for this scenario.

- **Case: GEN2-1067** Changes were made so that the full descriptions of dynamic line items display in trade profit and loss statements.

- **Case: GEN2-1174** MineMarket was allowing values of dynamic items to be edited in reverted invoices. Now the dynamic items are read-only if the invoice is a reverted invoice.

- For a sales contract with monthly quotas that did not cover the full date range of the contract, when creating multiple additional quotas, the end date of each quota was being set to the first day of the following month. The default quota end date is now the last day of each month, which is consistent with the creation of a single quota, or quotas that cover the full date range of the contract.

- The *Allow searching of invoices through Invoice Explorer* domain security right has been renamed to *Allow the user to search for invoices*. This security right controls access to the **Invoice Explorer** and whether invoices display in global search results.

Datamine enables efficient and sustainable
mining through the application of
world-leading technology and services.

Read the Docs

docs.dataminesoftware.com

Get in Touch

www.dataminesoftware.com/contact
www.dataminesoftware.com/support

Find Us

**AUSTRALIA | BRAZIL | CANADA | CHILE | CHINA |
ECUADOR | GHANA | INDIA | INDONESIA | KAZAKHSTAN
| MALAYSIA | MEXICO | MONGOLIA | PERU | PHILIPPINES
| SOUTH AFRICA | TURKEY | UNITED KINGDOM | USA |
UZBEKISTAN**

www.dataminesoftware.com

MINEMARKET

DATAMINE