

MineMarket 5.6.2

Release Notes



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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 5.6.

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 5.6.2 Release Notes (May 2026)

Performance Improvements

- Separate records are no longer created in the MineMarket database **ChangeRegister** table for stock balance contributors, stock balance analytes, and stock balance contributor groups. Instead, MineMarket creates a single record for the parent stock balance, improving export and downstreaming performance when multiple related changes are saved.
- MineMarket Server startup is faster because despatch order IDs for bulk transactions are now cached before CalcTransaction objects are created. This change reduces the number of database queries required to resolve despatch orders and allows downstreaming to use the despatch order ID directly instead of loading the full despatch order into memory.
- To improve MineMarket Server startup performance, transactions are pre-loaded in batches instead of in seven-day intervals. For SQL Server databases, the batch size can be configured using the **Query Page Size** in the **Warehouse Settings**. If this value is zero or the database is Oracle, transactions are loaded in seven-day intervals.
- Querying invoices is faster because MineMarket now loads related journal group data more efficiently, reducing the amount of transaction, sample and analyte data loaded into memory.
- Performance of the MineMarket Marketing Service when processing linked despatch orders has been optimised by removing unnecessary processing during snapshot rebuilds, resulting in faster snapshot generation while preserving the accuracy of quantities, analytes and costs.
- Snapshot calculations in MineMarket avoid unnecessary database queries for temporary objects used by the Marketing Service, improving calculation performance.

User Interface

- The MineMarket Client offers three user interface icon sets—monochrome, colour and original (default)—to support users' visual preferences. The preferred set can be selected using the **Icon Mode** setting in the **Bulk Trak Client** category of the **Application Configuration Editor**.

- Users can now select a preferred font for the MineMarket Client user interface from the fonts installed on their local machine. The selected font is applied immediately without requiring a restart and is retained after upgrades to provide a consistent user experience.
- Grid views across MineMarket have been refreshed to deliver a more consistent visual style, featuring colours that match the selected user interface theme and consistent row heights. Alternating row shading is enabled by default and can be disabled using the **Enable Alternate Row Styles** setting in the **Bulk Trak Client** category of the **Application Configuration Editor**.
- The **Help » About** screen displays the licence expiry date.
- Date range selectors now include an **X** icon next to the **Start Date** and **End Date** fields so users can clear either date individually. The **Clear** option still clears the full date range.

Inventory Management and Tracking

Process Flow Diagrams

- The icons used in the **Process Flow Diagram**, **Process Flow**, **Waste Process Definition**, **Packing Process Flow** and **Movement Flow** screens have been updated to more accurately represent the different types of objects, replacing the previous generic box shapes. This enhancement improves the clarity and readability of these diagrams, making it easier for users to distinguish between nodes at a glance.
- Process flow diagrams have a view mode and an edit mode. Double-clicking or selecting **Open** from the right-click context menu opens the diagram in view mode. Selecting **Edit** from the right-click context menu opens the diagram in edit mode.
- When in view mode, the process flow diagram can display stock balances at each location at a selected date.
- In edit mode, users can choose whether to show or hide material flow and route names in a process flow diagram. This choice is saved per diagram.
- Users can choose whether to show or hide sample templates in a process flow diagram from the right-click context menu. Sample templates are shown by default, and the selection is saved per diagram.

- The **View Transactions** option has been removed from the process flow diagram right-click context menu. Use **Search for Transactions** to open the **Transaction Explorer** with the selected process flow in the search criteria.
- In edit mode, material flows, sampling templates, locations and routes can be renamed from a process flow diagram.
- Material flows, sampling templates, locations and routes can be opened for editing from a process flow diagram, either by clicking the hyperlinked name, or via the **Edit** context menu option.
- Process flow diagrams can be added as shortcuts in the task pane and set to open automatically when MineMarket starts.
- The process flow diagram preview in the **Process Diagram Explorer** has been removed to improve performance and reduce unnecessary resource usage when navigating diagrams.
- Selecting an object in a process flow diagram displays the details of the selected object in the **Property Window**.

Transaction Duration

- Material flows can be configured to use both a start date and time and an end date and time for bulk transactions by selecting **Use Transaction Duration** on the **Process Flow**. The feature allows reclaim and stacking times to be recorded separately, improving the accuracy of stockpile state calculations.
- When configuring transaction duration, a **Default Duration** in minutes must be set to represent the typical time for material to move between the source and destination. MineMarket uses this value to calculate a missing start or end time so that transaction records reflect actual material movement with less manual data entry.
- When configuring transaction duration, the **Duration Applicable From** date sets when MineMarket starts using transaction duration and the specified default duration for the process flow. The date must be after the **End Date** of the last existing transaction for the process flow. As a result, transaction duration applies only to new transactions and cannot be backdated.
- With transaction duration enabled, the **Transaction Editor** and the **Loading** and **Unloading** tabs on despatch route points display **Start Date**, **Transaction (End) Date** and read-only **Duration** fields. The **Calculate** context menu option for these fields can be used to calculate the other date/time or the duration for more efficient transaction data entry.
- For despatch route points, **Start Loading - Actual** and **Start Unloading - Actual** on the **Route Plan** tab remain synchronised with the **Start Date** of the

first related bulk loading or unloading transaction, reducing duplicate data entry.

Traceability

- The **Inventory** ribbon tab provides access to the **Traceability Explorer** where users can find and view traceability data for stockpiles and despatches from a single screen. From the search results, users can view traceability in the explorer screen or open it in a new tab. This feature complements the existing traceability tabs on stockpile and despatch screens and provides a more efficient way to access traceability information without needing to open each object separately.
- The *Allow the user to view the Traceability Explorer* security right in the *Menu* user group security rights group controls access to the **Traceability Explorer**.
- Users can now select **Sankey** as a traceability view option. The **Sankey** view displays material flow as colour-coded links between source and destination nodes. Thicker links indicate larger quantities, and each link is labelled with the mass moved.
- The previous **Date** field in the **Diagram**, **Sankey** and **Tree Grid** traceability views has been replaced with a **Date Range** field. The default date range is populated from the **Traceability Explorer** search criteria, the stockpile or mine source **Criteria** field group, or the despatch **Activated Date** and **Deactivated Date**, depending on where traceability is opened.
- Users can select the display **UOM** (unit of measure) for quantities in the **Diagram**, **Sankey** and **Tree Grid** traceability views. In the **Tree Grid** view, the selected UOM is used in the **Mass** column.
- Selecting an **Analyte Group** in the **Diagram** traceability view allows users to click a node and display analyte values for that node next to the diagram.
- A **Despatch Order** can be selected in the **Diagram** traceability view to limit the display to traceability for that despatch order.
- In the **Diagram** view, nodes can be expanded and collapsed to explore traceability relationships, and users can double-click a diagram icon to open the associated object.
- For new MineMarket installations, the initial database uses **Diagram** as the default traceability view. Existing installations upgraded to MineMarket 5.6.2 keep the previous default of **Tree Grid**. If a user has selected their own default traceability view in the MineMarket Client, that selection is retained. Users can still select a different default view on the **Traceability** tab of the **Options** screen, including the new **Sankey** option.

Blending

- Calculated blends can be saved with a configurable name, comment and active status. The **Inventory** ribbon tab provides access to the **Calculated Blends Explorer** where users can create, view, edit and delete saved blends.
- MineMarket includes additional security rights so administrators can control who can view and maintain calculated blends. After upgrading, users who need to create, edit, or delete calculated blends must be granted *Allow the user to maintain calculated blends* (in the *Blending* domain security rights group), and users who need to access the explorer must be granted *Allow the user to view the Calculated Blends Explorer* (in the *Menu* user group security rights group).
- The **Desirability** field in the **Blend Template** and **Blending** screens has been updated to use a numeric up/down control restricted to whole numbers between 1 and 10, ensuring consistent and valid inputs.
- A **Maximum Reclaim** column has been added to the **Blending** screen, allowing users to limit the maximum quantity of material that can be taken from a source for a blend period. **Maximum Reclaim** can also be overridden per source per blend period by selecting one or more cells and using **Edit Constraints** from the right-click menu.
- A **Minimum Reclaim** can also be specified per source per blend period via the **Edit Constraints** right-click menu option.
- A quantity entered for **Forced Usage** overrides reclaim constraints and is mutually exclusive with minimum/maximum reclaim. The forced usage can be entered directly into a cell, or by selecting one or more cells and using **Edit Constraints** from the right-click menu.
- Alternatively, values such as >500 or $500-$ (for minimum reclaims), <500 or -500 (for maximum reclaims), or $100-200$, $100<200$ (for min-max ranges) can be entered directly into cells.
- When constraints are applied, the blend results are marked as out of date until recalculated, and tooltips indicate which constraints apply for the selected source and blend period.
- In the **Blending** screen, the specification grid stays left aligned for better visibility and easier analyte selection, while analyte result values remain aligned with the source stockpile columns.
- Comments can be added to individual blend periods in a blend.
- Modified source balance and analyte values can be saved with a calculated blend and persist when the blend is reopened.

- The **Source Stockpiles** right-click context menu includes **Fill Up** and **Fill Left** options in addition to the existing fill actions, making it easier to apply values across selected cells.
- Selecting **Clear Cells** in the **Source Stockpiles** table now reverts the selected cells to the stock balance value for the blend date when one is available, before clearing the cells completely.

Other Inventory Management and Tracking Functionality

- MineMarket supports storing date and time values for transactions and surveys with time zone offsets for accurate conversion to Coordinated Universal Time (UTC) and consistent timestamp handling across time zones.
- The **Intelligent Paste** option in the **Transaction Editor** right-click context menu allows users to paste transaction data from a spreadsheet into multiple rows. MineMarket uses the **Process Flow** to identify the matching row and pastes the copied values into modifiable fields. **Intelligent Paste** supports the following fields for bulk material transactions only: **Process Flow**, **Source Stockpile**, **Destination Stockpile**, **Movement Product**, **Quantity**, **Start Date** and **Transaction (End) Date**.
- The **Transaction Editor** layout has been updated to provide more screen space for the **Transactions** field group, making it easier to view and manage transaction data. The **Status** field group now displays at the bottom of the screen and only if the **Transaction Editor History** status definition has been configured. Error messages display at the top of the screen for improved visibility.
- When editing transactions from the **Transaction Explorer**, MineMarket now automatically scrolls to and highlights the row for the selected transaction in the **Transaction Editor**.
- Opening a transaction dated before the latest archive date no longer adds new sample analytes from a modified sample template, preventing save errors.
- Mine sources and stockpiles display with hyperlinked names in the **Stockpiles** tab of the following location screens: **Barge Terminal**, **Mine Location**, **Port Location**, **Rail Siding**, **Stock Location**, **Toll Location**, **Truck Location**, and **Waste Location**. Users can select a hyperlinked name to open the mine source or stockpile directly without navigating via the **Solution Explorer**.
- Contributors for a despatch or invoice populate based on the contributors for a **Package** before falling back to the contributors from the source stockpiles.

Transportation and Logistics

- Multiple despatches can be selected and deleted on the **Despatches** tab of a **Lot Despatch**.

Sales and Marketing

Material Types and Contract Creation

- Material types can now be configured with a **Pricing Basis** (*Product Pricing* or *Analyte Pricing*), payable analyte settings per analyte definition (payable percentage, deduction, tolling) and applicable contract and payable analyte charges. This configuration serves as a template for contracts created with that material type.
- The **Contract Creation** screen for sales and purchase contracts now includes selection of a **Material Type**. If the selected material type has a **Pricing Basis** set, it is copied to the **Contract Pricing Basis** of the new contract upon creation.
- When a new set of contract terms is created, the material type configuration is applied to the contract terms. For analyte pricing contracts, the payable analytes from the material type are automatically created with their relevant payable analyte configurations (payable percentage, deduction and tolling) and payable analyte charges. For product pricing contracts, only the main analyte can have tolling configuration selected, and tolling is created in this case. Contract charges from the material type are applied to both analyte pricing and product pricing contracts.

Despatch Orders

- The **Despatch Order** screen has been redesigned with vertical tabs on the left and horizontal tabs across the top to group related information more clearly. The vertical tabs are **Details**, **Quality**, **Despatches**, **Trading**, **Invoices** and **Reports**.
- Some fields that were on the **Details** tab have been moved to new **Location**, **Address** and **Package** tabs.

- The **Despatches** vertical tab now includes a dedicated **Despatches** tab that makes it easier to view associated despatch route, ETA, ATA, state and status information. Despatches can also be created from this tab.
- Existing user group form tab configuration for the **Despatch Order** screen remains valid after upgrade and continues to apply to the redesigned tab controls.
- The layout of the **Assay Values Snapshot** tab has been improved. The **Summary** table displays in full by default, with the **Date Last Modified** now located at the top. The **Assay Info**, **Preview** and **Snapshot History** tabs are no longer sub-tabs of the **Summary** tab (formerly named **Revenue**). On the **Assay Info** tab, wider columns display the assay data more clearly. The **Profit And Loss** tab has been removed.

Other Sales and Marketing Functionality

- The **Additional Info/Dates** tab on the **Contract Fulfilment** node of sales and purchase contracts has been redesigned so the grid fills the available screen space, displaying more rows with less scrolling.
- Invoice templates now support multiple images via the OrganisationLogos collection defined in the invoice XML Schema Definition (XSD), with all logo and image fields correctly converted for display in Crystal reports.

Reporting and Integration

Important: As advised in "[MineMarket 5.6.1 Release Notes \(October 2025\)](#)" on [page 18](#), the MineMarket Information Services functionality has been removed in this version of MineMarket. MineMarket no longer includes the legacy Information Services components used for Datamart, Data Service and Reporting Service functionality. OData and reporting capabilities that depended on those services are not part of current MineMarket installations.

System Administration

- MineMarket automatically creates and manages a **MineMarket License Expiration** alert so users receive a standard MineMarket notification when the licence is nearing expiry. The alert runs once per day when the licence expiry date is within 30 to 7 days, then every 6 hours within 7 days of expiry.

- System administration screens and reference material have been updated to remove legacy Information Services settings and service references, including monitored services, application configuration, options, and architecture content.
- The *Allow the user to maintain Information Services settings* user group security right has been removed.
- The **Enable Data Mart** setting on the **Options** screen has been removed.
- The **Recalculate Snapshots** screen no longer displays messages about rolling back archiving or re-enabling warehousing. The recalculation date operates independently of the archive date.
- User authentication error messages that display when connecting to the MineMarket Server include the username, making it easier to identify which account lacks the required permissions.

Installation and Upgrades

Note: See the [Installation Guide](#) for details of these changes.

- For SQL Server deployments, when upgrading to MineMarket 5.6.2, the MineMarket Server database must use **Compatibility Level** SQL Server 2016 (130) or higher.
- Message queue names for the MineMarket Search Service have been updated to use Datamine naming instead of legacy ABB/Ventyx name formats.
- The **Use UTC** setting in the **MineMarket Common Service Settings** category of the **Application Configuration Editor** controls how transaction and survey date and time values display to users in the MineMarket Client. If enabled, MineMarket uses a Coordinated Universal Time (UTC) offset to display transaction and survey date and time information in the user's local time zone.
- Datamart, Data Service and Reporting Service components are no longer installed or configured as part of current MineMarket deployments. Installation, upgrade and architecture guidance has been updated to reflect the supported service set.
- When manually updating `BulkTrak.Service.exe.config` or `BulkTrak.Server.exe.config` from MineMarket 5.6.1 or earlier, the obsolete Data Mart job client endpoint must be commented out.
- If deprecated MineMarket Information Services components are detected during updates or upgrades, the installer notifies the user that they will be removed.

AUR Adaptors

Note: See the [AUR Adaptors Guide](#) for details of these changes.

- **AURTransaction**—Validation errors are reported in the error log with the original row information. All rows in the file are validated instead of stopping at the first error.
- **AURPrices** and **AURForwardPrices**—Rows with no price are ignored instead of causing an error. The file still processes successfully, and rows with prices are uploaded or updated.
- **AURLoadShipment** and **AURUnloadShipment** can import transactions when the Transaction Group Alias or Hold Alias value is blank. If the Hold Alias value is blank, MineMarket uses the vessel hold that contains the specified Hatch Alias value.
- **AURTransaction**, **AURLoadTrain** and **AURUnloadTrain** support an optional Start Date column for transaction duration. In AURTransaction, the Start Date column can be positioned anywhere in the CSV file. In AURLoadTrain and AURUnloadTrain, if included, the Start Date column must be the last column. The Start Date value is optional.
- **AURLoadBarge**, **AURLoadShipment**, **AURLoadTruck**, **AURUnloadBarge**, **AURUnloadShipment** and **AURUnloadTruck** can use the existing Start Date column with transaction duration. The Start Date value remains optional.
- **AURTransaction**, **AURLoadBarge**, **AURLoadShipment**, **AURLoadTrain**, **AURLoadTruck**, **AURUnloadBarge**, **AURUnloadShipment**, **AURUnloadTrain** and **AURUnloadTruck**—If **Use Transaction Duration** is enabled for the process flow, MineMarket uses the specified Start Date value for transaction duration calculations. If no Start Date value is specified, MineMarket calculates it from the process flow's **Default Duration** and the mandatory end-date value: Transaction Date for AURTransaction, or Date Processed for the loading and unloading adaptors.
- **AURMineSource**, **AURSampleResults**, **AURStockpile** and **AURStockpileSurvey** reject negative analyte values and report an error so users can correct the source data.

B2MML Adaptors

Note: See the [B2MML Adaptors Guide](#) for details of these changes.

- When importing transactions, if a **Transaction Editor History** record already exists for the period, the transaction is added to that history instead of creating a separate history for each transaction.
- When importing transactions, if **JobResponse » StartTime** is not provided and **Use Transaction Duration** is enabled for the process flow, MineMarket automatically calculates the transaction **Start Date** from the configured **Default Duration** and the **JobResponse » EndTime**.

Freshdesk cases: [257513](#), [257515](#), [257516](#)

- When importing mine sources and surveys, repeated messages with the same **Opening Date** update the existing survey instead of creating duplicate surveys.
- An issue has been fixed where importing mine source transactions could incorrectly create mine source surveys and overwrite existing contributor, analyte and tonnage data.
- For stockpile state exports, **ChangedMaterialLotRecord** nodes are exported for mine source opening surveys even when no transactions have occurred. Deleted surveys generate **DeletedMaterialLotRecord** nodes, and recalculated stockpile states include applicable analyte and contributor values.

Excel Uploader

Note: See the [Excel Uploader Guide](#) for how to use this tool to import data into MineMarket.

- The following worksheets have additional columns to support the new transaction duration functionality:
 - **ProcessFlow**—Use Transaction Duration, Duration Applicable From, Default Duration
 - **TransactionEditorTransactions**—Start Date
 - **BargeLoading, BargeUnloading, TrainLoading, TrainUnloading, TruckLoading, TruckUnloading ShipLoading, ShipUnLoading**—Start Date

Note: In worksheets that support transaction duration, the Date Processed column maps to **Transaction (End) Date** in the MineMarket user interface. This field was previously labelled **Transaction Date**, but was renamed to support transaction duration. The underlying mapping is unchanged.

Defect Fixes

- An issue has been fixed where MineMarket ignored the **GenerateChangeRegisterObjects** setting in the **Export** category of the **MineMarket Service Config** screen and wrote changes to the **ChangeRegister** table when the setting was *False*.
- An issue has been fixed where editing a transaction for a transport route with multiple loading route points caused a validation error.
- When locking an invoice, an error could occur if **Generate Journals On Lock** and **Not Require Journals** were both enabled for the contractual invoice type. Journals are now only created when required, and validation has been added to prevent both settings being enabled at the same time.
- Invoices could display an object reference error when a payment condition was set to **Is Calculated** and the **Calc Expression** used a date. Validation has been added to payment condition descriptions so that invoice line items are created successfully.
- The predefined **Finance Activity** and **Freight Activity** text lists could have incorrect **Alias1** values in a blank database. This issue has been fixed for new databases, and upgrades now correct the affected **Alias1** values if they have not been changed by a user.
- An issue in the **Lot Despatch Explorer** where the selected date field could reset to **Lot Date** and cause slow filtering has been fixed. The selected date field is now correctly retained and query performance has been improved.
- An issue has been fixed where reopening a screen that was already open in a detached or group form window on another monitor could disrupt the layout in the main MineMarket window.
- An issue has been fixed where the **Survey Editor Configuration** screen layout could display incorrectly after moving the screen to a group form.
- An issue has been fixed where records in a list or grid could be missing or duplicated if a previous error had caused multiple records to share the same position in the database. Records that were previously missing may now display and should be reviewed if they affect calculations. This fix resolves an error when opening shipments with affected lot samples.
- When deleting a lot sample from a regime on the **Lot Samples** tab of a despatch, a database error could cause the lot sample to remain in the database. This could lead to duplicate order numbers that caused errors when the despatch was reopened. This issue has been fixed.

MineMarket 5.6.1 Release Notes (October 2025)

Performance Improvements

- Downstreaming and search performance has been improved by adding a new index for stock balance contributor analyte data in the MineMarket database.
- Performance of the MineMarket Marketing Service has been improved by adding a database index to analyte specifications, enabling faster retrieval of specification data.
- Despatch order snapshot recalculation has been improved:
 - By only loading analyte specification statuses when a status definition is configured
 - Through more efficient handling of contributor data during dry mass calculations
 - By ignoring discrete unit lookups if no package types are associated with the despatch order or the despatch order contract product
 - By improving the call method used to retrieve despatch orders associated with transactions to reduce the number of database queries
- Stockpile states are now loaded more efficiently during archiving, making the process significantly faster.

Inventory Management and Tracking

Multi-period Calculated Blending

- The **Blend Template** and **Blending** screens have been streamlined by moving configuration options to a **Blend Configuration** screen. This configuration is still per template or blend, and accessible at any time from the cog icon at the top-right of these screens.
- The selection of blend sources has also been simplified. Users can select stockpiles (typically WAG stockpiles) and mine sources, or stock locations or stockpile categories.

- Period planning is defined by **Number Of Periods** and a working-day **Calendar**, with optional **Shift Definition** and **Date Option** to determine times. When a shift definition is not selected, a period is treated as a day and times are omitted from the column headers.
- Blends can now be calculated across up to 24 future periods, with one column per period in the **Source Stockpiles** table. Each column header shows the period's date (and time, if configured) based on the **Base Blend Date** and the options in the **Blending Configuration** screen.
- In addition to the material available on the source stockpiles at the time of the first blend, users can specify a **Production Per Period** for each source stockpile to account for new material becoming available each day or shift. However, for mine sources, the available quantity is considered to be infinite, and no production per period can be specified.
- For each source and period, users can specify a quantity that must be used in the blend, and can exclude a source for a single blend period when required.
- Tooltips display when hovering over different types of cells to convey additional information including validation issues and stockpile balance details for specific blend dates.
- The blend specifications have also been simplified by removing the analyte weighting, as well as the lower and upper warning limits.
- Blend results are presented in the **Source Stockpiles** table by period, with a notification when no feasible blend exists.
- Functionality to create blends for despatches or despatch orders; save or assign blends; or to search blend history has been removed for this release. However, blend results can now be exported to Excel, as well as copied to clipboard or printed for hand-off.
- A blend can only be created using a blend template.

Other Inventory Functionality

- **Freshdesk case: 217681** Transactions on the **Activity** tab of a stockpile can be filtered by **Transaction State**.
- **Freshdesk case: 217682** A **Default Date Criteria** screen can be accessed from the **Mine Source**, **WAG Stockpile**, **FIFO Stockpile**, **LIFO Stockpile**, **3D Stockpile** or **Waste Stockpile** screens. This screen allows users to define default dates by which to filter the data displayed for mine sources and stockpiles.
- Text entry can be used to filter displayed list items in the **Transaction Editor** for **Source Stockpile**, **Destination Stockpile**, **Movement Product** and

Equipment. The same functionality is available in the **Transaction Editor Configuration** screen for **Allowed Sources, Source Stockpile, Allowed Destinations, Destination Stockpile, Allowed Movement Products, Movement Product** and **Equipment**.

- When duplicating a transaction in the **Transaction Editor**, MineMarket now copies the selected **Source Stockpile, Destination Stockpile, and Movement Product** to streamline data entry.
- On the **Survey Editor** for mine sources and stockpiles, users can paste transposed analyte values from a horizontal spreadsheet row directly into the **Result** columns, making data entry faster and more intuitive.

Transportation and Logistics

- Users can create a despatch directly from a despatch order using a simplified and template-driven workflow. This functionality is accessible via the **Despatch Order Explorer, Sales Contract, Purchase Contract**, or directly from a **Despatch Order**. When a despatch is created from a despatch order, MineMarket automatically links the despatch order to the new despatch. The despatch template specified as default in the associated contract is shown at the top of the template selection list to streamline the process. Support is provided for all despatch types: trains, truck despatches, barge service trips, and shipments. The functionality respects all relevant security rights, including permissions for specific transport modes and despatch creation from templates.
- A **Despatch Order** field has been added beside the **Default Movement Date** when loading discrete units onto trains, trucks, barges, or shipments. Selecting a despatch order here automatically applies it to all loaded packages or package groups, reducing the need for manual assignment. For unloading packages, a despatch order filter is now available in search criteria, and a new column in the results grid displays the despatch order linked to each package movement.
- To simplify despatch screens, container emptying functionality is now hidden by default on despatch **Package Loading** and **Package Unloading** tabs but can be enabled by a system administrator if required.
- **Freshdesk case: 248589** A **Paste Range** option in the right-click context menu in the **Certificates** table for despatches allows users to paste a single value into multiple editable cells. This feature streamlines repetitive data entry when entering or updating certificate values.

Sales and Marketing

- Invoices can be created from the **Invoices** tab of the **Despatch Order** to be invoiced. For sales invoices, credit notes, purchase invoices, purchase credit notes or demurrage invoices, the despatch order is preselected. For freight- and service-based invoices, you still need to enter the **Provider** and **District**, and search for the despatch order and despatch combination, because the provider of the freight or service cannot be determined directly from the despatch order.
- To improve the display of **Despatch Order Explorer** search results, the **ColOrderLoaded** and **ColOrderUnloaded** columns have been removed and the **Status History** column has been renamed to **Status**.
- **Freshdesk case: 225854** Invoice price override functionality has been enhanced to better handle optional or unknown quotation pricing (QP) on despatch orders. This improvement ensures correct invoice calculation logic by always using the override price instead of any declared or undeclared QP, and allows a final invoice to be generated even if the optional or unknown QP is undeclared or only partially declared.
- **Freshdesk case: 248589** A **Paste Range** option in the right-click context menu in the **Exchange Rate** table of the **Currency/Exchange Editor** allows users to paste a single value into multiple editable cells. This feature streamlines repetitive data entry when entering or updating exchange rates.

Reporting and Integration

- The **Analytics Mapping Editor** screen has been enlarged for better readability and its table formatting is now consistent with other MineMarket screens. The **Object Type** column has been removed to simplify the layout.
- A new **Analytics User Group Mapping Editor** screen enables the initial mapping of user groups between MineMarket and Centric. These mappings lay the foundation for future integration of user and security management across both systems.

Important: Please note that the MineMarket Information Services functionality will be removed in a future version of MineMarket.

System Administration

- A new **Hide Empty Containers** setting is available on the **Preferences** tab of the **Options** screen. This global setting controls the visibility of the **Empty Containers** table in despatch **Package Loading** and **Package Unloading** tabs and the related **Container Emptying** screen. This setting is enabled by default to streamline the user interface.
- The **Expression Editor** screen and its **Function** group fields can be resized to improve visibility of function names.

Installation and Upgrades

Note: See the [Installation Guide](#) for details of these changes.

- The MineMarket Database Upgrade Wizard is more efficient and user-friendly. When connecting to an existing database, the folder selection is automatically populated if a `ServerSettings.xml` file is detected. Script generation is now much faster for upgrades from recent versions.

AUR Adaptors

Note: See the [AUR Adaptors Guide](#) for details of these changes.

- **AURForwardPrices**—A new adaptor class that can be used to add or update prices for an existing forward curve price series.
- **AURMineSource**—Correctly handles optional Survey Date values, allowing surveys to be created or updated based on the presence and date/time of the Survey Date column, regardless of its position. Mine source surveys and contributor surveys are created only when appropriate data is provided, and existing surveys are updated only if the date/time matches.
- **AURPrices**—A new adaptor class that can be used to add or update prices for an existing price series.
- **AURStockpile**—If the total value of contributors is between 99.9% and 100.1%, MineMarket adjusts the largest contributor to ensure the total value is 100%. This adjustment accounts for possible rounding errors.
- **AURStockpileSurvey**—If the total value of contributors is between 99.9% and 100.1%, MineMarket adjusts the largest contributor to ensure the total value is

100%. This adjustment accounts for possible rounding errors. A contributor column can be blank if that contributor is not required for the stockpile survey.

- **AURStockpileSurvey**—An issue caused rows to be rejected when any analyte columns were blank, even though the analyte Alias1 was valid. The adaptor now accepts null/empty analyte values.
- **AURSampleResults**—Correctly handles multiple rows for the same composite sample by preserving previously entered sample analyte values and updating only the new values in each row.
- **AURTransaction**—If the transaction date is outside the source or destination stockpile date range, the adaptor adjusts the stockpile's opening or closing date to allow processing. Performance when processing files with a large number of records has also been improved.

B2MML Adaptors

Note: See the [B2MML Adaptors Guide](#) for details of these changes.

- **Freshdesk case: 216235** An issue has been fixed where cancelled transactions received via B2MML adaptors were still displaying in the **Loading** or **Unloading** tabs of trains, truck despatches, barge service trips, and shipments.
- **Freshdesk case: 226580** An issue has been fixed where a new stockpile **Product History** record was incorrectly created during transaction processing, even though the product had not changed. This was caused by a mismatch in ID comparison logic, which has been corrected in code.
- An issue has been fixed where a duplicate key error for stockpile categories could occur during B2MML import processing with **NotifyWorkExecutedEvent** or **NotifyWorkReconciledEvent** messages. Code has been updated to check the cache before creating a stockpile category to prevent this error.
- An issue has been fixed where a missing **MaterialActual » Quantity » Key** node caused a generic object reference error during import with **NotifyWorkExecutedEvent** or **NotifyWorkReconciledEvent** messages. A clear error message now displays to identify the missing node and assist troubleshooting.
- When importing mine sources and surveys with **NotifyWorkExecutedEvent** or **NotifyWorkReconciledEvent** messages, the **MaterialActualProperty » ID » DataType** for survey analyte values can be "Numeric" or "decimal".
- Enhancements to **NotifyPerformanceTrackedEvent** enable faster and more efficient export of stockpile states.

Excel Uploader

Note: See the [Excel Uploader Guide](#) for how to use this tool to import data into MineMarket.

- The Excel Uploader includes the following worksheets to support the new calculated blending functionality: **BlendCategory**, **BlendTemplate** and **BlendTemplateSources**.

Defect Fixes

- **Freshdesk case: 220055** An issue has been fixed where users without Waste Materials domain security rights were unable to drag and drop brands or brand categories into different categories.
- **Freshdesk case: 227848** An 'unable to cast object' error that could occur when deleting a transaction in the **Transaction Editor** has been fixed.
- When unloading shipments, unexpected transaction grid behaviour and the incorrect addition of route markers could occur when MineMarket automatically selected the source stockpile based on the vessel's first hatch. Code changes have been made to fix this issue, and a script is available for affected databases with MineMarket 5.5.9 or 5.6.0.
- An object reference error when deleting shipment transactions associated with a despatch order without a status has been fixed.
- An issue where barges uploaded via the Excel Uploader were missing from the MineMarket Client has been fixed.
- Issues that prevented deletion of shipments with draft surveys or when the shipment was open in the MineMarket interface have been fixed. Shipments now delete as expected or display prompts for required actions before deletion can proceed.

MineMarket 5.6.0 Release Notes (March 2025)

Performance Improvements

- **Freshdesk case: 180794** The maximum number of unarchived transactions and surveys in a server bucket check is 500,000. If more transactions and surveys exist, an error message displays. The server bucket check can be run again after archiving some transactions.
- Searching for any item by name in any invoice screen now queries the database directly instead of requiring data to be loaded into memory.
- To reduce the number of objects loaded into memory, the deprecated `ValueSeriesItemScheduler` object has been removed from code.
- To improve database query efficiency, deprecated objects in quotation pricing headers have been removed from databases, code and the *QuotationPricingHeader* and *OptionalQuotationPricing* sheets in the Excel Uploader.
- The number of `DODownstreamRegister` causes created during revaluation was reduced. Causes are not created for different charges during revaluation because the invoices are processed during revaluation.
- In the **Blending** screen, displaying source stockpiles was slow due to the system retrieving analyte states for each stockpile individually rather than in bulk. A stockpile state cache has been implemented to streamline data retrieval, reducing load times significantly.
- The FX revaluation and price revaluation processes no longer invoke the `GetFulfillment` method, resulting in less database hits and improved performance.

User Interface

- To simplify the use of the **Contract Explorer**, the **More Criteria / Fewer Criteria** button has been removed and all search criteria display.
- A scroll bar has been added to the **Task Pane**, enabling more items to be viewed.
- The **Add Web Page** option in the **Task Pane** and **Task Pane Template** enables the display of external web pages in the MineMarket Client.

MineMarket objects and web pages in a task pane or task pane template can also be set to display by default when the MineMarket Client opens.

- MineMarket supports multi-tab functionality for embedded web pages, allowing users to open links in new MineMarket tabs, similar to a traditional web browser. Cookie management ensures seamless user authentication between tabs, eliminating the need to re-enter login credentials in each tab.
- Security rights for the **Task Pane** and **Task Pane Template** have been simplified so that users can create their own shortcuts to favourite MineMarket objects or web pages. A user's own shortcuts display in addition to shortcuts defined in a task pane template assigned to their user group.

Inventory Management and Tracking

Calculated Blend Configuration

- In the **Source Stockpiles** table, a context menu enables selection of mine sources, stockpiles, stockpile categories, stock locations, products/brands, specifications, process flows and routes as blend sources. Adding a product or brand represents material that is expected to be in transit to the blending location. Adding a specification represents material that is expected to be available with that quality. Adding a process flow adds all stockpiles at the source location of the process flow. Adding a route adds relevant despatches when a blend is being calculated. Relevant despatches have at least one loading transaction before the blend date but do not have an unloading transaction. Dragging stockpiles, locations, products and brands from the **Solution Explorer** is still possible.
- The data in the **Source Stockpiles** table can be filtered. The sources that display after filtering are the only sources that can be included in the blend.
- [Blend templates only] **Stockpile Statuses** can be selected. If statuses are selected, the sources in the **Source Stockpiles** table are pre-filtered by the **Stockpile Status** column so that only stockpiles with a matching status display.
- A **Shift Definition** and **Date Option** can be selected. If selected, the shift definition and date option set the default **Blend Date**.
- You can configure which analyte columns display in the **Source Stockpiles** table with any combination of the following options: **Only Show Included**

Analytes (that is, the analytes in the target specifications), **Analyte Group**, and **Hide Analytes Without Values**.

- You can select a **Contributor Group** to display read-only contributor values for the blend sources.
- In the **Specifications** table, the context menu enables selection of a product/brand, stockpile, specification template or despatch order as the target specifications of the blend. Dragging a product/brand or specification template from the **Solution Explorer** is still possible. You can update the **Target, Minimum, Lower Warning Limit, Upper Warning Limit** and **Maximum** values for analytes in the target specifications.
- The **Default Master Blend** field has been removed from all stockpile screens because it has no impact on the selection of an assigned blend in the **Master Blend** field on the **Blending** screen.

Calculated Blend Execution

- When creating a blend from a blend template, any source stock location expands to display the stockpiles at the location.
- When creating a blend from a blend template with a specified **Shift Definition** and **Date Option**, you can use the left and right arrows on the time selector for the **Blend Date** to move between shifts.
- The **Blend Templates** setting of a stock location, despatch location or stockyard determines which blend templates are available in the **Solution Explorer** context menu for stockpiles at that location or stockyard.
- When creating a blend for a stockpile from a blend template, the current stockpile is always included as a source stockpile in the blend because its contents will be part of the blend result.
- If a blend is assigned to a stockpile, the **Planned Quantity** of the stockpile is updated with the total **Blend Tonnes** of the assigned blend. In addition to the **Blend Plan** values, the **Target, Minimum, Lower Warning Limit, Upper Warning Limit** and **Maximum** values are also updated in the **Quality** table on the **Current State** tab of the stockpile.

Other Inventory Functionality

- A stockpile **Description** of up to 50 characters can be added when creating a **WAG Stockpile, FIFO Stockpile, LIFO Stockpile, 3D Stockpile** or **Waste Stockpile**.

Transportation and Logistics

- When entering certificate details for trains, truck despatches and shipments, the context menu in the **Certificate Values** table includes the option to **Add Multiple Lots**. The **Multiple Certificate Creation** screen streamlines the creation of multiple certificate lots with default lot values.
- **Freshdesk case: 33594** When creating a service trip template, the **Details** tab includes the options to **Allow Route Change** and **Auto Unload**; to specify a **Default Loading Process Flow** and **Default Loading Stockpile** for loading route points; and to specify a **Default Unloading Process Flow** and **Default Unloading Stockpile** for unloading route points.
- The layout of the **Package Loading** and **Package Unloading** tabs on trains, truck despatches, service trips and shipments has been simplified. The right-click context menus include the options to load or unload discrete units via dedicated **Package Loading**, **Package Unloading**, **Package Group Loading** and **Package Group Unloading** screens. If the despatch includes containers or bulk package groups, the right-click context menu includes the option to empty containers via a dedicated **Container Emptying** screen.

Sales and Marketing

- To simplify adding contract charges to a despatch order, the despatch order **Contract Term Overrides** tab displays a **Contract Charges** node by default.
- The **Journal Creation On Lock Script** in the **Chart of Accounts** configuration can be edited to define required conditions and overrides for the automatic journal creation settings defined elsewhere in MineMarket. The script controls journal creation for invoices, revaluations, payments and refunds.
- When setting up a calendar, you can double-click a date in the **Calendar View** to define non-working days or holidays in the **Edit Work Exclusion Day** screen.
- The **ExpressionLocale** setting in the MineMarket Service configuration controls the language in which the **Calendar View** displays for all users.
- The **Services** table on the **Costs** tab of a despatch order snapshot displays the hyperlinked despatch name for costs attributable to a despatch.

Reporting

Centric Analytics Integration

- For enhanced analytics and reporting, MineMarket supports integration with Datamine's Centric mine information management platform. To use Centric analytics with MineMarket, **Enable Centric Integration** must be checked in the **Options** screen of the MineMarket Client.
- An analytics connection for Centric integration can be created from the **Reporting** panel of the **Solution Explorer**. Configuration details for the MineMarket connection to the Centric Analytics Warehouse are specified on **Analytics Connection** screen.
- The **Analytics Mapping Editor**, accessible from the **Analytics Connection** screen, allows you to map MineMarket objects for use as dimensions or facts in Centric analytics.

System Administration

- The **System Admin** ribbon tab includes a **Blend Results** icon. For users assigned the new *Allow the user to maintain the blend results script* user group security right, clicking this icon opens the **Blend Results Script Editor**. This script can be edited in C# to update the results of a calculated blend.
- The security rights required for all scripting screens have been simplified. The general *Allow script maintenance* security right has been removed, and new specific rights called *Allow the user to maintain the invoice data XML script* and *Allow the user to maintain journal scripts* have been added.
- The *Allow task pane template maintenance* security right in the *Task Pane* domain security rights group is no longer required for users to customise their own task pane. This security right is still required to set up, edit and assign task pane templates.
- A new *Centric Analytics Integration* user group security rights group has been added. The *Allow the user to maintain Centric Analytics integration* security right in this group controls whether a user can enable MineMarket integration with Centric analytics; configure analytics connections for Centric integration; and create and delete analysis objects.

Installation and Upgrades

Note: See the [Installation Guide](#) for details of these changes.

- System requirements have been updated: Windows 11 is supported on Application Clients. Microsoft .NET Framework 2.0 and 3.5 are no longer required on the MineMarket Application Server and Application Clients. Windows Server 2012 R2 and SQL Server 2012 and 2014 are no longer supported. Application Clients must have a minimum of 8 GB RAM.
- Configuration of the MineMarket services and MineMarket Client has been simplified. The connection and security settings common to all services can now be specified in the **MineMarket Common Service Settings** category of the **Application Configuration Editor**.
- In previous versions of MineMarket, the **Calendar View** in the **Calendar Editor** was not translatable. The **ExpressionLocale** setting in the MineMarket Service configuration is now used to control the language in which the **Calendar View** displays. This is a global setting that applies to all MineMarket Clients and takes effect regardless of the language configuration on a user's local machine or translation sets assigned to a user or user group.
- Reporting of invoice revaluation process has been changed to use gRPC instead of writing to a database table. Changes have been made to default configuration files for the MineMarket Service/Server, the MineMarket Marketing Service and the MineMarket Client. The default port number for these notifications is 8091.

Note: In the MineMarket Server settings, **Use Remoting** must be set to *False* to enable the use of gRPC for communication between the server and clients.

- An improved 'on-demand' orchestrator option for the Marketing Service Farms is installed with the MineMarket Marketing Service. If enabled, the **Marketing Service On-demand Orchestrator** automatically creates the Marketing Service Farms. The On-demand Orchestrator distributes the processing load dynamically, creating additional Marketing Service Farms when processing demand increases and minimising idle time for each Farm.

Note: To ensure backwards compatibility, the Marketing Service Orchestrator option introduced in MineMarket 4.6 is still available. However, Datamine recommends using the Marketing Service On-demand Orchestrator option where high-performance processing of despatch orders is required.

- The MineMarket Setup Wizard upgrades the Crystal Reports version to 13.0.36 during installation.
- Some inefficiencies with the MineMarket Database Upgrade Wizard have been resolved, eliminating excessive wait times when launching the application and navigating between steps.

AUR Adaptors

Note: See the [AUR Adaptors Guide](#) for details of these changes.

- Online HTML documentation of the AUR adaptors includes links to download the example files. These examples are now provided as Excel (XLSX) files with notes on the header rows.
- **AURIncident**—Can record additional measurements if the incident definition includes measurement definitions.
- **AURMineSource**—Can be used to update optional attributes, which are properties in the **MineSourceStockpile** class of the MineMarket code. For example, the pit, block or intended organisation.
- **AURMineSource**—If the total value of contributors is between 99.9% and 100.1%, MineMarket adjusts the largest contributor to ensure the total value is 100%. This adjustment accounts for possible rounding errors.
- **AURStockpile**—Can be used to update optional attributes, which are properties in the **BaseStockpile** class of the MineMarket code. For example, the stockpile status or maximum quantity.

B2MML Adaptors

Note: See the [B2MML Adaptors Guide](#) for details of these changes.

- All B2MML adaptors have been updated to be compatible with the B2MML V7.1-2023 schema. The changes only affected the object model. No changes to XML structures for MineMarket integration are required.
- When importing sample results, any non-numeric or invalid analyte values (for example, "LessThan 0.01" to indicate values below detection limits) are set to null.
- For more flexible B2MML integration, a name-value pair for train tonnage corrections can be specified in the **Configuration Parameters** for the **NotifyWorkExecutedEvent** subscriber in IMS Integration Hub.

- When importing data, stockpile categories are read and created from the **MaterialActual » StorageLocation** node rather than the **HierarchyScope**.
- The **NotifyOperationsScheduledEvent** class, previously used to import mine sources and surveys, is no longer supported. Mine source and survey data can be imported with **NotifyWorkExecutedEvent** and **NotifyWorkReconciledEvent** classes.

Excel Uploader

Note: See the [Excel Uploader Guide](#) for how to use this tool to import data into MineMarket.

- The Excel Uploader includes the following new worksheet: **BudgetedCosts**.
- If any data displays as strikethrough text, check the **Calculation Options** on the **Formulas** ribbon menu of Excel. In Excel's *Manual* calculation mode, an option was introduced in 2023 called *Format Stale Values*. When enabled, *Format Stale Values* adds strikethrough formatting to some cells, and this may lead to upload errors. When using the *Manual* calculation mode, ensure *Format Stale Values* is unchecked, and press **F9** to update calculations before running the Excel Uploader.

Defect Fixes

- **Freshdesk case: 201764** An issue has been fixed where attempting to load data with the AURTransaction adaptor resulted in an error, but where splitting the file into two separate files allowed successful processing.
- **Freshdesk case: 215255** An issue has been fixed where updating transaction data with the **NotifyWorkReconciledEvent** B2MML adaptor class caused an error and wrongly deleted samples.
- **Freshdesk case: 218697** An issue has been fixed where object reference errors could occur when deleting a despatch order.
- A foreign key constraint error could occur when deleting a duplicated billboard or a billboard with a summary column. Code changes have been made to prevent this error, and a script is available for any affected databases.
- A memory leak has been fixed and performance improved when processing B2MML outbound messages using the

BulkTrak.Integration.PublishSubscribe.dll adaptor via Integration Hub.

- Object reference errors could occur when generating an invoice report if a contract charge has no specified **Unit** in the **Header Pricing** field group or if the despatch has a route marker. These errors have been fixed.
- During the creation of journals, MineMarket was using the adjustment in the currency of the invoice as it was in the currency of the revaluation. This created some wrong journal entries. Now MineMarket uses the correct currency while creating the journal entries.
- An issue selecting a proportional UOM for a calculated analyte definition has been fixed.
- An issue that resulted in incorrect tax amounts for incremental journals with taxes calculated on a *Payable Total* basis has been fixed.

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