DATAMINE

AEGIS

Aegis 2024.3

Release Notes

Contents

Overview

Aegis, comprising Aegis Designer and Aegis Analyzer, is created by mining engineers to design blasts for underground mines, including slot design and placement, charging, priming, timing, and more. With its extensive range of editing tools, Aegis Designer enables the creation of drill and blast patterns for an entire stope in seconds, allowing engineers to easily explore alternative designs. By swiftly generating customisable reports and IREDES exports, it facilitates the rapid transition of actionable designs into production. Aegis Analyzer is the most advanced underground blast analysis program globally and enables engineers to observe how changes to a pattern impact fragmentation, tonnage, cavity, costs, and profit. It is used to optimise ring patterns to maximise recovery, productivity, and profitability.

Further Information

This document includes cumulative release notes for Aegis 2024.

Release notes for other versions of Aegis are available via https://docs.dataminesoftware.com/Aegis/index.htm or the Support Portal https://www.dataminesoftware.com/support/.

Aegis 2024.3 Release Notes (December 2024)

Enhancements

- Allow user to select the Density field from the block model in the ring based BME forms
- Allow positive collar offset values in the blast ring outlines form

Fixed Issues

- Fix intersection marker size is updated when enter is pressed
- Prevent aegis from loading polylines when importing .duf files (deswik)
- Fix the associated file extension in Windows
- Fix Start and End Dump values when appending rings
- Fix read error while importing some block models
- Exception while accessing Surpac options

Aegis 2024.2 Release Notes (October 2024)

Enhancements

- Export planned holes from Aegis in CSV format for use with the survey hole import tool.
- Improved performance when inserting a ring view into a report template.
- Improved performance when changing cad item display settings in the reports.
- Added Boolean operations and implemented new solid manipulation tools.
- Selectively rename rings using the stope table by activating the ring renaming algorithm for only selected rings.
- Formula in the reports can now specify inputs to be used as values instead of strings. These formulas are now possible to use as symbols or custom formula in the reports.
  - Example 1: `~ringset.ring[{=~ringset.ringcount -1}]`
  - Example 2: `~scenario.variables[~scenario.id]`
  - Example 3: `~scenario.lengthdrilled[~scenario.variables [ChargeDiameter1]]`
- Ring set and scenario comments accessed in the properties menu of ring sets can now be displayed using the symbol ~ringset.comments or ~scenario.comments.
- All items in reports can now be rotated interactively.
- Wireframe solids can now be imported into Aegis from Deswik .DUF files using an importer.
- Updated the Wireframe Options forms in BME workflows, Blast Manager and Timing Manager forms.
- Scenarios can now be "Unsurveyed" changing the scenario back to an editable state.
- Remote drilling boundaries can now be controlled used our criteria selector for more granularity in setting up remote drill boundaries.
- Improved order of inputs in the Break workbook forms.
- Add connect ring outlines option to blasts.
- Allow user to select the ID column when importing a points file.

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Fixed Issues

- Fix selected scenario when opening create new ring set form.
- Fix localization for the Sort By Column Header property of the Ring Summary Table in the reports.
- Fix the rotation property value in the text item of the reports.
- Fix the Index was out of range exception when opening a project with BME results.
- Fix issue when Aegis deletes a ring from a scenario while a project is being loaded from file.
- Fix the Index Out Of Range Exception when loading a Sequence Table from a saved report.
- Fix Null Reference Exception when trying to display dimensions in a plan view item in the reports.
- Fix the Localization for the first group name of the report editor ribbon.
- Fix issue reading the ProjectConstants.AegisSettingsFile location.

Aegis 2024.1 Release Notes (April 2024)

Enhancements

- Update to the Timing/Blast Managers:
  - Added docking windows.
  - Updated icons for holes, charges, primers to be unified across Aegis.
  - Added ring section in Timing Manager.
  - Added multiselect for primers in Timing Manager.
- Project Locking
  - Enabling/disabling the locking file mechanism will only affect the current user. Any other user, even on the same machine, will need to decide whether to enable or disable it.
  - Keeping the locking file mechanism disabled means other users can open and overwrite project files opened by the current user.
  - Regardless of the current user's choice, Aegis won't open or overwrite existing files locked by other users.
- Added the option for users to choose which columns in the report's ring table are totalled.
- Added a symbol that takes a ring ID and an offset distance and displays the coordinates.
  - Show the full x, y, z coordinate:
    ```
    ~ring.ReferenceLineIntersectionWithOffsetRingPlane
    [offset]
    ```
  - Show just the x coordinate:
    ```
    ~ring.ReferenceLineIntersectionWithOffsetRingPlanex
    [offset]
    ```
  - Show just the y coordinate:
    ```
    ~ring.ReferenceLineIntersectionWithOffsetRingPlaney
    [offset]
    ```
  - Show just the z coordinate:
    ```
    ~ring.ReferenceLineIntersectionWithOffsetRingPlanez
    [offset]
    ```

- .mm, .m, .ft, .in will display the offset in the desired units.
- .2, .3, etc. will display the offset with the desired accuracy.
- Updated Russian Translation - Обновлен русский перевод.
- Block model evaluation will remember inputs.

Fixed Issues

- Blast Manager - Ring View - Can Assign Charges with No Priming Points to a blast in Hole Selection Mode.
- Timing Manager - Charge Selection Mode Strange Behaviour.
- The Blast Manager/Timing Manager should not share settings.
- Exception - Saving Project in version 2023.4 from Aegis version 2023.5, then opening the 2023.4 project in Aegis version 2023.4.
- Ring Summary Table does not store sorting settings on save and reopen of template.
- Add error dialog when language.txt file can't be accessed.
- Exception while trying to isosurface a ring.
- Aegis Exception Occurred - opening Blast Manager - Sequence contains no elements.

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