PHDwin Version 3.1.13 - Release Notes

June 2023

Feature Addition:

- Added a right-click option to copy Scenarios in the Scenario Manager Settings window tab.
- Introduced full support for Calendar and Fiscal year economic granularity settings on a scenario basis within the Scenario Manager.
- Included direct import functionality for PHDwin V2 .MOD files, eliminating the need to import .PHD files.
- Updated and enhanced Import tokens to support the import of all deck parameters (Price, Expense, Projection, etc.) from databases or ASCII flat files. Improved the auto-map import function for better V3Connect support.
- Enhanced the ability to specify and control Phase Configuration during the import of projections.
- Integrated a PHZ3 transfer import into the PHDwin login window, enabling the creation of a PHDwin database directly from the login window using a PHZ3 file.
- Boosted PHZ3 creation speed by buffering data schema pre-transfer, significantly improving transfer-out speeds.
- Enabled optional aggregation of daily data to any group case. The aggregated daily data can be visualized in graphic presentations on the group case. Control this feature with a check box in the Case Settings tab.
- Upgraded Project Manager functionalities for cases created using the Prospect Creator tool.
- Enhanced Project Linking for existing cases added to a project.
- Streamlined Waterflood group case creation either from the menu or by right-clicking on selected cases in the case list. This immediately prepares Waterflood case properties, including graphs, for analysis.
- Introduced a "Change Database" button to the home ribbon, improving workflow visibility.
- Updated and improved Hot Keys, including new ones for copying effective qualifiers for projections to the primary qualifier.
- Added a feature to specify the temporary working file location for PHZ3 imports, crucial for large imports on resource-constrained machines.

New System Requirements:

- PHDwin 3.1.13 requires the installation of Microsoft .NET Framework 4.8.1 and Visual C++ 2015-2022 Redistributable Package. These required packages will be attempted for installation by the PHDwin installer before running version 3.1.13.
- Please note: if these updates are needed, a system reboot will be mandatory. However,

machines already equipped with .NET Framework 4.8.1 and the Visual C++ 2015-2022 Redistributable Package will bypass the update prompt, providing a seamless installation process.

Bug Fixes:

- Enhanced Merge functions to minimize redundant corporate data creation (Unit Conventions, Phase Configurations, etc.).
- Increased general program stability by implementing the latest graphics module, offering enhanced support for Windows 10 and 11.
- Fixed x-axis product volume locations in Graph Notes and annotations. Improved control over note/annotation placement.
- Updated stability for aggregation functions in most group cases, including Waterflood, Incremental, Allocation, and Recompletion case recompiling.
- Improved the UI to minimize unnecessary refresh calls, enhancing user experience with large data sets and making the program more responsive.
- Boosted program memory management for improved stability and responsiveness.
- Updated Project Manager feature for better timing management for existing cases added to a project and improved handling of varying scenarios. Introduced data discipline to protect against inappropriate settings.
- Corrected volume calculations between the Report Date and Eco Start Date.
- Implemented several fixes for data import and transfer, including, but not limited to:
  - Streamlined the Flat File Import Tokens list and updated tooltip descriptions for easier readability.
  - Enhanced import logs.
  - Improved Product and Phase Configuration logic to create fewer extraneous phases, resulting in faster cleanup after import, transfer in, or upgrade from V2.
- Integrated data and data schema changes in the PHDwin V3 build 12 to 13 roll-forward to repair existing busted data structures and improve ongoing data reliability.

Changes to Documentation:

- For version 3.1.13, the V3Connect feature has been updated. Any V3Connect spreadsheets from versions prior to 3.1.13 should be replaced with the latest 3.1.13 versions. The setup documentation for the updated V3Connect sheets is available in the installer zip file. You can find the most recent version of the V3Connect spreadsheets on our website.
- We are introducing a new V3ForecastConnect spreadsheet with 3.1.13. This tool allows you to edit projections in the spreadsheet and import them back into the program via CSV import. The spreadsheet features an auto-mapping function in 3.1.13 and can be used to import scheduled projection data by Phase Configuration.
- Please note that stored procedures related to V3Connect have been slightly renamed for

versioning purposes. You'll need to update these in all integrations using these stored procedures.

Changes to reports:

- The "Custom User" report has undergone updates based on user feedback.
- A new "Models Audit" report has been introduced that allows for reporting of the models used on individual cases, or across the entire database, depending on parameters. This report can be exported as a CSV and imported into a different PHDwin 3.1.13 instance with auto-mapping.
- A "Scenario Membership" report that exports directly to Excel has been added. This report enables users to see which cases are included in what scenarios.