

Assembly Planner Change Log

11.18.0.0

Released September 4, 2020

- Enhancements
 - Pivot Grid Export Module
 - Added role privileges for module visibility and creating/editing/removing public exports.
 - Removed distinct clause to allow for duplicate records to be returned. This enables the pivot grid dataset to hold many rows with common values.
 - Released new mBOM Export tool which uses configurable Excel templates to control the fields to be exported. All item and BOM standard and custom fields are available.
 - Released Assembly Labor Time Report
 - Updated the Option Rule interpreter code to handle future c# release support of the 'not' keyword
- Bug Fixes
 - Fixed error in Line Balancing which caused the scenario-specific time units to not update after changing in the Edit Task Details screen
 - Added error handling code to BOM Change Module for situation where an item is referenced in the Parent Items With BOM Differences table but the same does not exist in the main item master library
 - Fixed an error in the BOM Change Module causing the View MCOs button to fail due to incorrect variable declaration
 - Fixed an error when saving image files where image orientation data was being improperly set. Also changed the image saving logic to only save the temporary file versus the source file if a change was made.
 - Fixed an error in the Activity – Resource tab causing an incomplete list of right-click menu options to appear to if the activity was not checked out to the current user
 - Fixed an error in Activity – History records causing the 'Reason For Change' field to not save.
 - Fixed an error in the Thin Client Admin – Change Request screen allowing the 'Add' button to be enabled when no Change Request was selected
 - Fixed an error in Pivot Grid Export Module causing Public exports to not share properly
 - Fixed an error in Sequence Planner Mass Update Tool related to the retrieval of work schedule rows and offsets resulting in an unhandled error
 - Fixed an error in process publishing resulting in workstep times not always being converted to seconds
 - Corrected an issue in the MDD Module while resulted in the time stamp data displaying in date fields after using the Export to Excel function

11.17.0.0

Released August 12, 2020

- Enhancements
 - For work instructions revisions published with effectivity for a specific or range of production orders (unit serial numbers), users can now search for the applicable revisions for of an order via the Thin Client Admin screen
 - Observed and Calculated Time Study rows can be mapped to Workstep Numbers, allowing for the aggregation of multiple rows to set the Workstep Time property. The Time Standard Rank will be observed as the Workstep may only have a single time.
 - Process History Records are now added to Routings and affected Operations when a Line Balance Scenario is applied to provide better traceability.

- Modified Consumption Workbench Comparison Results screen to allow read-only view of BOM fields which are not used for the comparison (BOM to Consumption) and do not exist in the Consumption fields.
- Modified the Line Balancing – Model Family Summary By Station report to eliminate the double page break after each station, which was originally included to prevent printers with ‘print double sided’ from ever showing two stations on the same physical piece of paper.
- Modified the User Management screens to support single sign on (SSO)
- Bug Fixes
 - Fixed error causing an unhandled exception in the Component Library when selecting an Item if the user does not have the role privilege for viewing the BOM tab.
 - Fixed error in PFEP Part Plans module causing an Invalid Column error when an item or location field is added to the view after the initial search, the same field is used to sort the results, then another search is performed
 - Fixed error in PFEP Part Plans where the Part Plan Modified On value does not update after editing the Kitting Quantity screen
 - Fixed error in the Calculated Time-Time Data grid causing the row height to grow incorrectly if the Routing or OpSeqNo field is reduced to zero pixels.
 - Fixed error in Calculated Time-Time data grid causing the Routing ID and OpSeqNo of newly created then applied activities (without grouping on apply) to not refresh the Routing ID and OpSeqNo values after attempting to Import the same activities
 - Fixed error in Line Balancing Station list which caused the creation order of the station to be used instead of the Order attribute from the Plant Module-Stations tab.

11.16.0.0

Released July 17, 2020

- Enhancements
 - Line Balancing – Precedence Cluster data storage performance enhancements
 - Improved performance in Component Library – BOM control refresh by sending data requests as a single group vs individual requests per item
 - Reduced nuisance requests for the user to update their Customize View settings from the Template Manager.
- Bug Fixes
 - Fixed error when cloning routings, introduced in v11.15, causing issues with alert for routing ID already existing and allowing the changing of routing types
 - Fixed error in BOM control when performing a right click on a grandchild item
 - Fixed error in Item and MCO Advanced Search controls where the Fetch BOM Records and Filter By My Roles caused an error when performing multiple consecutive searches
 - Removed Customize View capability from the entire Time Estimation module and Activity-Calculated Time controls. This feature was inadvertently enabled and caused incorrect data to display in certain limited cases, such as the Op Seq No field appearing blank even though values were present.

11.15.0.0

Released June 22, 2020

- Enhancements
 - Line Balancing – Precedence Cluster data integrated into database instead of storing in xml files.

- Added capability to select a folder when creating a new Line Balance Scenario via the wizard or cloning
 - Line Balancing – Yamazumi Chart task resequencing logic was adjusted to place the activities at the beginning or end of the station (station-operator) task list based on the tasks moving upstream or downstream. In cases where the logic cannot be followed it will default to the prior logic, which placed the moved activities at the end of the station.
 - Modified the Import Data > Process Structure Activity Import to always force PlantID, RoutingType, RoutingID, OperationSeqNo, OperationEffectiveFromDate, OperationEffectiveToDate, and ActivitySeqNo to be present.
 - Improved validation messages in Import Data > Process Resource Mapping to better clarify improper key fields
 - Added custom field support to the Plant Editor – Assembly Lines entity
 - Renamed new pivot style reporting and export module ‘Pivot Grid Export’.
 - Modified the save prompts for the Pivot Grid Export to standardize based on application norms and reduce likelihood of losing changes
- Bug Fixes
- Fixed error in Precedence Cluster causing changes in the Graph view to not save when switching tabs
 - Fixed error Line Balancing Precedence Violation calculation causing violations to not be captured. Error occurred when changing task sequence within a station not causing the precedence information to update.
 - Fixed error in the Line Balancing – Operator Time Summary Report which showed the operator count as 0 and did not properly populate the time data.
 - Fixed error in the Line Balancing main task list which did not show an updated operator count after using Actions > Remove Empty Operators
 - Fixed error in MTM-UAS block/group codes which caused the first line from the block to be ignored
 - Fixed error in Component Library – Where Used search causing the control to fail when navigating to the process via the Where Used search then navigating back to the Where Used search

11.14.0.0

Not Released

11.13.0.0

Released May 19, 2020

- Enhancements
- Added application version number and configurable background fill color to lower border of the application window
 - Added Line Code field to Order Data Management grid to show which orders can be edited or not based on the presence of a line code value. Impacts configurations with Scheduler module only.
- Bug Fixes
- Fixed critical bug introduced in v11.10 within the Line Balancing module which prevented creation of production order-based scenarios.
 - Fixed error in MCO module when creating new or saving MCOs. Error caused by mismatch in localization settings across different application components.
 - Fixed error in Order Data Management which prevented VIN numbers in certain configurations from appearing

- Fixed error in certain Line Balance reports which displayed the index value instead of the Model ID or Alias

11.12.0.0

Released May 11, 2020

- Enhancements
 - Added Virtual Build module to Process Library
 - Line Balancing – Renamed Yamazumi chart types from Line View to Station View
 - Added web service to support communication with external SSIS calls
 - Added Single Sign On capability to certain Assembly Planner environments
- Bug Fixes
 - Fixed bug in PFEP screens where drop down list values did not refresh automatically when loading the screen
 - Fixed bug in PFEP to mBOM and Consumption workbenches causing no results to show when performing a where used search.

11.11.0.0

Not Released

11.10.0.0

Released May 3, 2020

- Enhancements
 - Work Step Number Synchronization
 - For Activity Consumption and Resource records referencing a work step via the Work Step Number field, changing the Work Step Number on the Work Step will cause the associated Consumption and Resource records to update.
 - If a referenced Work Step is deleted, the Consumption and Resource records will return to the default value (-1.00)
 - If multiple Work Steps have the same Work Step Number value, changing one of the Work Step Numbers will not impact the Consumption and Resource records
 - If an Activity is reused, all Consumption records (local properties) across all instances of the Activity will be updated
 - Enabled editing of non-ERP orders in Order Data Management module when Scheduler module is enabled
 - Export Data Module
 - Added ability to create WYSIWYG and 'Data Aware' Excel exports of Pivot Table data
 - Added right-click copy menu and enhanced copy functionality
 - Line Balancing Module
 - When creating a new single model scenario, selecting a routing, then changing to a mixed-model scenario, the model list will now refresh automatically
 - When manually setting Model and Model-Option percentages in the Edit Routing and Model data screens, the percentages will no longer be cleared after refreshing
 - Time Study Module – MODAPTS
 - Updated standard templates to show trunk movements at M7 instead of M6.

- BOM Changes Module performance enhancements while performing searches and saving data
- Set all MCO properties to show as left aligned in the grid. Previously integer and floats were right aligned.
- Added custom field support to the Activity-Model mapping entity.
- Job Queue framework has been added to the Assembly Planner database, replicating the capability found in the Shop Floor database
- Assembly Planner 'About' screen updated to use https links
- Bug Fixes
 - Fixed bug in Import Data module where custom fields with the visibility and 'ignore in import' set to false allowed the user interface grid to show the field.
 - Fixed bug in BOM Changes module causing custom fields to not populate correctly in the user interface
 - Fixed bug in Export Data where search criteria was not being saved properly for new 'Saved' searches
 - Fixed bug in BOM import control where blank/null revisions are not allowed, which caused an incorrect invalid revision message to be displayed
 - Fixed bug causing ECO Change Details, Snapshot, Volume, and Part Impact reports to not display
 - Fixed bug in the Model library causing Model-Option percentages to not save properly if the values are edited then 'Use Percentage' is selected.
 - Fixed bug in Consumption 'Add From BOM' control where the Deselect All incorrectly performs a full selection of all second level (grandchild) parts
 - Fixed bug in Process Routing > Operation module where no operations are selected but the user is able to select Reports > Process Details Report
 - Fixed bug in Line Balancing module where shared operators in the Operator View caused a fatal error after double clicking on an operator in the chart
 - Fixed bug in Line Balancing module Edit Routing and Model details screen where the Include and Exclude all buttons triggered the inverse function
 - Fixed bug in Documents module causing certain image files to not import properly (generic error occurred in GDI+)
 - Fixed bug causing custom fields tied to lists to not save if the list value's character length exceeded the custom field max character length.
 - Fixed bug in the Order Data Management module causing editable fields (Line Schedule Date) to not be saved if certain columns were hidden (Line Unit Number).
 - Fixed bug causing Routing, Operation, and Activity search panes to either not display the values (PPE) or the values would disappear after selecting the row (Mark For Export)
 - Fixed bug in the Activity-Option Mapping screen causing custom field value updates to not save unless you edited a 'standard' field
 - Fixed bug in Sequence Planner Module causing any study containing unsaved data prior to closing the module to become corrupted.
 - Fixed bugs in Consumption to PFEP Comparison Workbenches causing object reference and invalid cast errors after selecting 'Where Used (All Options)'
 - Fixed bug in Line Balancing module causing errors when generating a work instruction report if a new station was inserted into the line balance scenario station list, but not the routing, and was then followed by existing stations in the routing.
 - Fixed bug in the Routing > Total Work Content by Line report, for all routings, causing a 'no row at position 0' error.

11.9.0.0

Not Released

11.8.1.0

Released April 8, 2020

- Enhancements
 - Added custom field validation support for Shop Floor Viewer reports
- Bug Fixes
 - Fixed bug in certain work instruction report templates causing Left Logo to not load
 - Fixed bug in Consumption Workbench causing 'failed to enable constraints' error when selecting activities

11.8.0.0

Released March 31, 2020

- Enhancements
 - Initial release of Precedence > Clusters capability
 - Adds ability to include activities into a cluster, enabling precedence to be checked across clusters and, if desired, within clusters. Clusters can also be nested.
 - Routing – Edit Model Option Data screen
 - Removed model specific task times and take rates
 - Added model alias columns header text in Advanced View
 - Allow user to set the column header row height for Advanced View
 - Activity Module – Detailed MUDA for Estimated Time
 - Added error handling when loading corrupt image files into the Image editor
 - Added Templates refreshing loading screen during login
 - Added new preferences for setting the maximum OpSeqNo and ActSeqNo. Added controls to ensure users and the system could not exceed those values, including via automatic resequencing during Line Balancing > Apply Scenario.
 - Added new EAWS Ergonomics standard and Excel exports
- Bug Fixes
 - Corrected issues where Resequence Line Unit Numbers was not always called when Machine Serial Number values changes
 - Fixed bug where certain Operation data objects were not populated in the Operation List after selecting a routing
 - Fixed bug when deleting checked in documents
 - Fixed bug in offsets for automatic schedule type (fitting the schedule to the order) in Sequence Planner module

11.7.0.0

Released March 5, 2020

- Enhancements
 - Initial release of new Export Data module
 - Adds Pivot Table generation tool within Assembly Planner
 - Added new reports to Line Balancing Module
 - Operator Balance Summary
 - Operator Summary

- Operator Task Times
 - Model Family Time Summary by Station
 - Model Family Time Summary
- Improved paste functionality when interacting with Google Sheets
- Improved handling of user role privileges in the Plant Module when adding and deleting stations / assembly lines
- Removed Refresh button from Work Schedule preferences editors
- Removed PFEP BOM Publishing user interface from Publishing Module
 - All BOM data is to be published via backend jobs
- Added Ergonomics values to lookup sheets for all standards supporting LergoBALP and OCRA
- Bug Fixes
 - Fixed bug which resulted in Line Balancing Scenario files to fail check-in via the Checked Out Entities screen.
 - Fixed bug in Time Classification Summary report when running for multiple stations.
 - Fixed bug in BOM Changes module if certain fields were hidden via Customize View causing saves to fail
 - Fixed bug in Station Tools report which resulted in station header info dropping when report was exported to Excel.
 - Fixed display bug in Sequence Planner that prevented rows from showing up when workdays spanned past midnight.
 - Fixed bug when user clicks an empty Item ID or MCO ID in the BOM Changes grid
 - Fixed bug in BOM Changes module so that Apply BOM (copy eBOM to mBOM) functions properly if the Item-Revision columns is hidden
 - Fixed object reference error when refreshing Activity Search Control during add existing activities from the Operation Module
 - Fixed bug in the Routing – Edit Model Option screen when Model IDs contained a period
 - Fixed handling of error when saving a file which is already open when the user Exports BOM from the Component Module
 - Fixed bug causing a timeout error when retrieving publishing job status

11.6.0.0

Released February 11, 2020

- Enhancements
 - Sequence Mass Update Module
 - Allow ability to Publish Partial Days, same as from the Publishing Module
 - Improved error message when orders are not found in the Build List
- Bug Fixes
 - Fixed bug when completing MODAPTS Time Study with Simultaneous motion, simo tasks that are both high conscious control will be included in the total time, and reduce the highest movement to M2
 - Fixed bug in PFEP Part Plan MBOM Workbench that would unintentionally modify the Kitting Quantities of different parts when performing a copy paste within the Option spreadsheet

11.5.0.0

Released February 5, 2020

- Enhancements
 - Unit Serial Number Start and End fields added to BOM fields for filtering the MBOM
 - Templates refresh automatically during login. Users do not need to manually select 'Refresh Templates'.

- Added 'Refresh Modified' capability
- Added capability to deploy 'Custom View' settings to all users.
 - New menu bar tool called 'Custom View Manager' allows privileged users to export their UserSettingsData.xml file
 - This exported file should then be uploaded to the Template Manager>Configuration Files
 - The custom view manager also allows for you to backup and restore old view templates.
 - Added role privileges to control who can customize views
 - Let the user know upon opening the software if a new UserSettingsData.xml file has been uploaded and give them the option to replace their file with the newer file.
- Enhanced Routing-Item Mapping Control to use grid control for mass copy/paste capability
- Bug Fixes
 - Fixed bug in MCO module where share checklists could appear for lifecycle stages for which that were not applicable

11.4.0.0

Released January 17th, 2020

- Enhancements
 - Added Role and Role Privilege classifications (Edit, View, Admin, Personal Data) and roll up by Role and User
 - Validation added to make Line Code distinct
- Bug Fixes
 - Bug fix for Routing Link when navigating from Resource Where Used control
 - Trim all edits in PFMEA Tree View to 64 characters
 - Fixed bug that did not allow importing of Work Steps from Import Module
 - Fixed bug that would rotate images 90 degrees in the Media tab if imported from a phone
 - Fixed bug that would indirectly default the Position Sequence field for PFEP Racks created during a single session while creating additional racks
 - Fixed bug causing MUDA video clips from split and converted videos to not play correctly.
 - Fixed bug when loading modules for a first time user without a default Plant ID value assigned to their user ID
 - Fixed error in certain SOP work instruction reports if the SOPImageID is greater than 100 characters
 - Fixed bug in auto creation of Racks when saving Part Plan records
 - Fixed bug in Resource module when selecting a Routing in the Where Used search

11.3.0.0

Released December 30th, 2019

- Enhancements
 - MDD
 - added ability to add rows to the sheet
 - Added Role Privileges for MDD
- Bug Fixes

- Fixed error when moving activities if there are multiple operations with the same OpSeqNo and Workcenter values
- Fixed bug that caused incorrect lookup values when pasting MOST Codes
- Fixed bug in PFEP search when selecting all Racks
- Fixed incorrect document reference instances that directly access files from the documents folder
- Fixed object reference error when double clicking from other UIs to navigate into the Operation module

11.2.0.0

Released December 5th, 2019

- Enhancements
 - PFEP Part Plans
 - Make ItemID comparison not case-sensitive
 - Allow part plan to have more than one destination from same origin
 - Do not allow replenishment systems to be orphaned
 - Code change to prevent System Administrator User from being modified by other Users that have the Administrator Role
- Bug Fixes
 - Fixed bug in Transfer Checked Out Entities when deleting a User that required the full name and user name to match
 - Fixed error when copying an operation then editing a child activity
 - Fixed bug in Activity List when editing activities from newly moved operations
 - Fixed handling of videos so that observation video segments (splits) are handled differently from observation videos

11.1.0.0

Released October 11th, 2019

- Enhancements
 - PFEP Validations added when deleting locations that are mapped to racks
 - Add new field 'IsCheckPoint' to Station entity
 - Checkpoints, and associated shop floor role privileges, allow additional control per station for allowing certain users to sign off, sign off with missing components, or sign off with open issues
 - Added check to ensure Workstep SOP Page value cannot be zero or negative
 - Deprecated all MongoDB references from the software
- Bug Fixes
 - Fixed bug that showed the incorrect fields in Customize View in the BOM Change Module
 - Fixed bugs in Precedence graph when creating a cycle
 - Fixed errors resulting from PFEP WCF conversion methods to connect to the database
 - Fixes errors in sheet when customizing view in Advanced Tools > Mass Update Model & Options
 - Fixed various PFEP bugs when refreshing lists and pages
 - Fixed bug in PFEP when generating certain reports when only a single part plan row is present in the table
 - Fixed bug in BOM Changes module tied to Customize View control and a null exception error
 - Corrected GetMCOTransaction process to always return the current transaction for an MCO, Lifecycle Stage, and Status

- Fixed but in Routing>Clone control to ensure that all properties are copied to the new routing

11.0.0.0

Released September 17th, 2019

- Enhancements
 - Updated minimum .NET version to 4.7.2 to support TLS 1.2
 - Converted PFEP module to support https connections
 - Changes to prevent cascading deletes throughout PFEP, error messaging developed to specify to the user where and what entities need to be reviewed
 - Changes to PFEP search controls in Part Plans, added Rack and Containers drop down list
 - New Feature to create Code Block functionality to BMOST and MaxiMOST, group codes in blocks and allow user to enter or select block code to populate multiple codes at a time, allows for nested blocks
 - Added Routing Type drop down to Routing Search Control
 - Deprecated OptionGroupID from PFEP Item Rack Location Opting Group Mapping
- Bug Fixes
 - Corrected Tool Tips in Preferences > Line Balancing > Task Configuration
 - Fixed bug that did not allow to change the Station Details in Line Balancing
 - Fixed bug related to not showing child linked data when deleting PFEP locations
 - Fixed bug when setting tree order value for published work step data
 - Fixed bug in Line Balancing xml data sets after using Edit Station Detail from certain existing scenarios