Steel Projects PLM 2024: Release note (June 2024)

The version 2024 of Steel Projects PLM is now available! This major release introduces many new features that will help make your daily work easier and improve your user experience! This document is a list of all the latest features added to the release. Please note that they are only available if the corresponding licenses have been acquired in the first place.
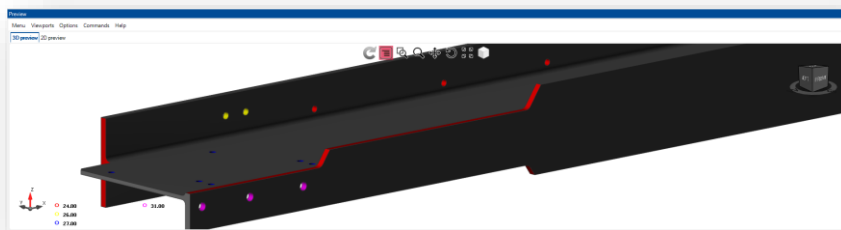
✓ **Imports from the detailing office**
- Possibility to determine the desired marking technologies by default during imports.
- Improved profile management form: 'Replace' button accessible from the main menu.
- In order to track pieces individually during production, possibility to create GUID automatically during imports.
- Improvements of STEP imports:
  - ➢ Facilitated configuration parameters during imports to automate the process.
  - ➢ New tooling operations now managed: counterbore and counter drills.
  - ➢ New complex chamfers now managed →
  - ➢ New feature allowing to import any type of pieces, including complex pieces (no geometry analysis for those but the drawing are still imported to be managed potentially in a third-party software eventually) →
  - ➢ Possibility to imports nomenclatures from an Excel files.
- Improvements of AutoCAD imports:
  - ➢ Facilitated configuration parameters during imports to automate the process.
  - ➢ Possibility to change the bending angle during the import by selecting the one to modify.
- Various improvements of the IFC format to make it compatible with any IFC formats available from any detailing software (SDS2, Bocad, etc.).
- Improvements of sawing macros allowing to make double or tripe cuts.
- Compatibility with Tekla Structures 2024. No more compatibility with versions prior to 2018, just as recommended by Tekla.

✓ **Project management**
- New tooling feature available (Right click on parts then 'Tooling'):
  - ✓ Convert double cuts (conversion from robot cut in oxy or plasma to a sawing macro to chose the machine if necessary).
  - ✓ Transformation of plates: possibility to adjust plate rotations.
- Improved 3D macros to better visualize pieces in 3D.

- 2D visualization: automatic gap management.
- New notching, coping and milling macros available.
- Improvements of the simulation robot: better management of lead cuts.
- Reports: new icon available form the main menu (not from a selection) that allows to access edition from the Project Manager menu.

✓ Section nesting
- Compatibility with the new Ficep machine Xblade and its dedicated nesting engine →
- Possibility to check drilling side for the machines that can drill only on one side.
- Possibility to block and unblock some bars in case not all the bars are wanted in production.
- Improved management of T-shape nesting with leadcuts.
- Improved trim cut management.

✓ Plate nesting
- Compatibility with the second generation of Ficep's unloading robots for plate machines →
- Compatibility with the latest version of Almacam (4.0).

✓ Stock & Purchasing management
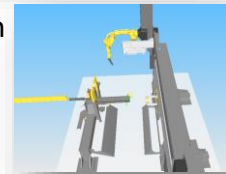- Availability of the Stock module entirely in Steel Projects PLM →

✓ Interfaces with external systems
- Various improvements of the Strumis interface.

✓ Production planning & preparation
- Improvements of subcontracting management.
- More accurate management of the TTS simulation →
- Availability of a project planning module: comparison of estimated production times for a project with actual production times.
- Fabrication job builder: improved filters.

✓ Automation: Automatic CNC data creation
- STEP export: compatibility with HGG machines, speed improvements, link with complex parts.
- DSTV exports: possibility to make slots with nibbling.
- Polaris exports: compatibility with many new Ficep machines and their new CNC.

✓ Shipping management
- Possibility to change statuses if changes are required →

✓ Productivity analysis
- Improved management of automatic feedbacks from Vernet CNC machines.

✓ Traceability management
- Possibility to configure reports when exporting traceability folders.

✓ Miscellaneous
- Microsoft SQL Server: no more support on SQL Server 2012 and prior. Minimum version required is 2014.

If you have any questions about Steel Projects PLM 2024 or would like to schedule your installation, contact us: Support@SteelProjects.com

www.SteelProjects.com