

# Release note November 2021

The version 2021b of Steel Projects PLM is now available! This last major release of the year introduces many new features that will help you facilitate your daily work, track the activity of your workshop in real time and better monitor the progress of your projects!

This document is a list of all the latest features added to the version. Note that they are only available if the related licenses have been purchased in the first place.

## ✓ Data

- Rotation priority: new screen to configure the rotation priority for angle and tubes.
- Auto Mark: possibility to mark more information than before. For example, give the possibility to mark the assembly when some of its parts are in different assemblies.

## ✓ Imports from the detailing office

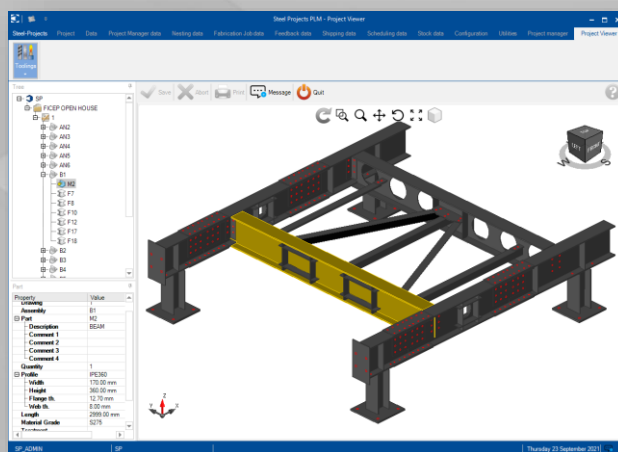
- Improvements for the IFC format:
  - ✓ 3D view of the projects and phases (see further).
  - ✓ Weld information now fully imported.
- Improvements for the XML format: omega profiles and beam cambers are now managed.
- Improvement for the AutoCAD import: fields now remember previous inputs to save time during new imports.
- Improvement of the Wiscon interface (advanced integration with Bocad): 3D view of the assembly possible and import of the welding information.

## ✓ Feasibility checks

- New checking parameter (required by EN1090 for European companies) : check that the diameter is less than one time the thickness. If so, possibility to replace the drilling operation by scribing, pointing, or delete it.
- MTFEASIBILITY is now available with the Ficep Nozomi robot.

## ✓ Project management

- 3D visualization of phases and projects now available in the software. Possibility to select one piece in the list and see it appear in yellow in the model, and the other way round →



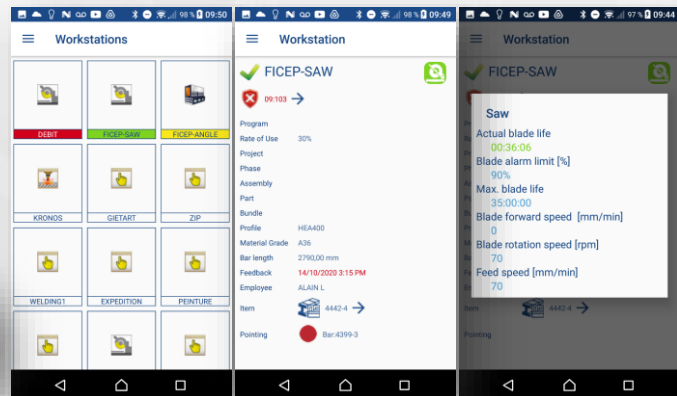
- Net weights now available by contract, project, phase, and assembly.
  - Possibility to export the difference between two revisions of a project in .txt or Excel files.
- ✓ **Section nesting**
- Splicing nesting is now possible. Two different approaches are available : manual or automatic.
  - Notch : feasibility improvements. Alert message when some notches are not feasible, and then automatic transformation during import or section nesting to produce them.
- ✓ **Plate nesting**
- Tag : part rotation. Lock the position of the part when it's necessary to make tags.
- ✓ **Stock & purchasing management**
- Improvements of order approvals by user groups: define on each group the maximum amount that it has the right to validate for an order from a supplier.
- ✓ **Interfaces with external systems**
- Improved management of the PNI format for the following:
    - Automatic assignment of CNC if machine is not defined in the PNI file.
    - Splicing nesting.
    - T nesting.
  - Export: possibility to open the directory folder from the export section of Steel Projects PLM to see the file exported to the CNC machine.
- ✓ **Production planning & preparation**
- Possibility to show all bars in which the parts are present. The goal is to identify the potential problems quickly.
  - Multi-site management: possibility to visualize processes allocated to a department or a site.
- ✓ **Management of manual workstations (Workshop Assistant Windows and Android)**
- For the Windows version: display of the parts from the sub-bars for the management of the T.
  - For the Android version: management of partial stops. For example, when a job is not finished at the end of the day, another operator can continue it the day after →
- ✓ **Shipping management**
- Easy visualization of the remaining parts to load.
  - Weights: possibility to choose what weights to manage (Those coming from Steel Projects PLM, from the CAD software or those defined internally).



✓ **Live production monitoring**

- Time attendance mode: the Workshop Assistant Windows is now available as a time recorder for employees' attendance.
- Workshop Monitoring → new mobile application available (Similar as its Windows equivalent available in Steel Projects PLM). Availability of real-time information related to CNC machines or manual workstations' activities:

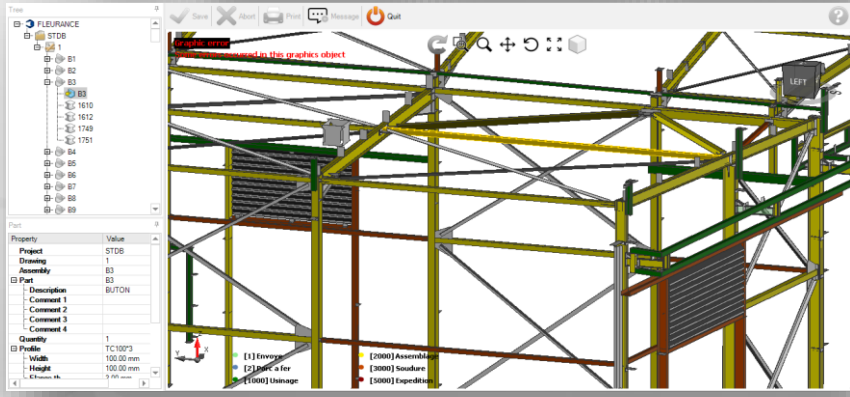
- ✓ Operator logged in
- ✓ Program or work order in progress
- ✓ Potential current messages and alerts
- ✓ Last feedback received
- ✓ Machine or station status (on/off)
- ✓ Preventive maintenance information
- ✓ Remaining workload
- ✓ Etc.



- 4D link: possibility to visualize the 4D (production statuses) in the 3D model →

✓ **Production analysis**

- Performance indicators now available at the employee level.
- Time smoothing: possibility to visualize by day of the week, the attendance and production times by employee. Then, smoothing is possible in order to match attendance times with production times and then analyze projects more accurately.
- Analysis by feedback type now available.

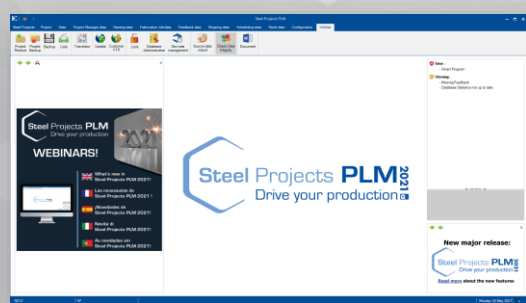


✓ **Traceability management**

- Possibility to allocate document for each tracking ID.

✓ **Miscellaneous**

- Reminder: new window in the software's home page to highlight important information such as webinars for example →
- Check out our new webinar section on our website to know about the future and previous events!



For any questions about Steel Projects PLM 2021b or to schedule your installation, please contact us : [Support@SteelProjects.com](mailto:Support@SteelProjects.com)

[www.SteelProjects.com](http://www.SteelProjects.com)

