Steel Projects PLM

Drive your production

PROJECT MANAGER

Manage assemblies
Avoid mistakes
Analyze productivity

Steel Projects

A FICEP GROUP COMPANY

Project Manager:

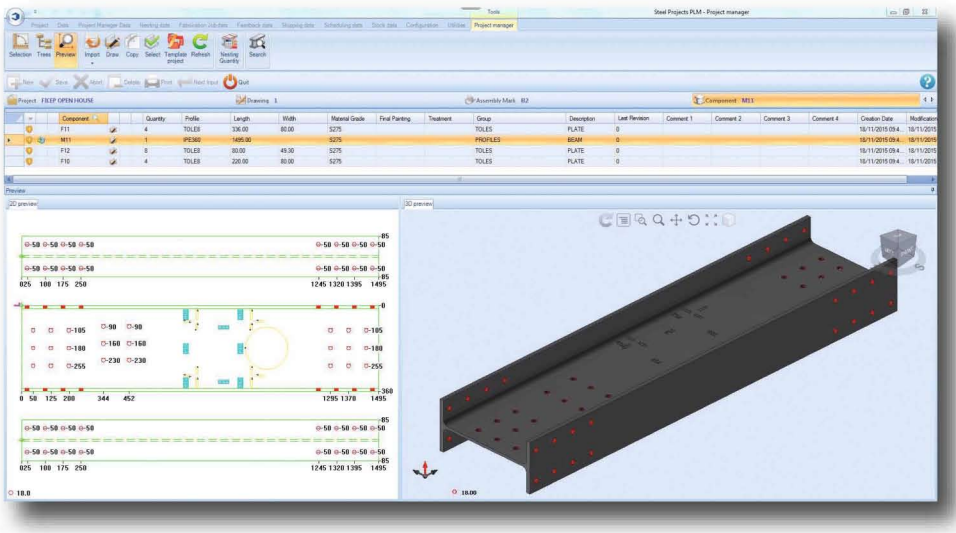
✓Project and production management
✓CNC data creation and distribution
✓Easy to use in a multi-user environment

PROJECT MANAGER

Features

Parts Management

- Create and edit parts/components
- Visualize in 2D/3D [1]
- Set up project administration
- Create and manage fabrication jobs [batches]
- Produce standard reports



[1]

CAD Import

- Import multiple formats:
  - Import CAD: DXF, DWG, DSTV...
  - Import BIM: IFC, XML...
  - Multiple imports to a single project

Drawing Package

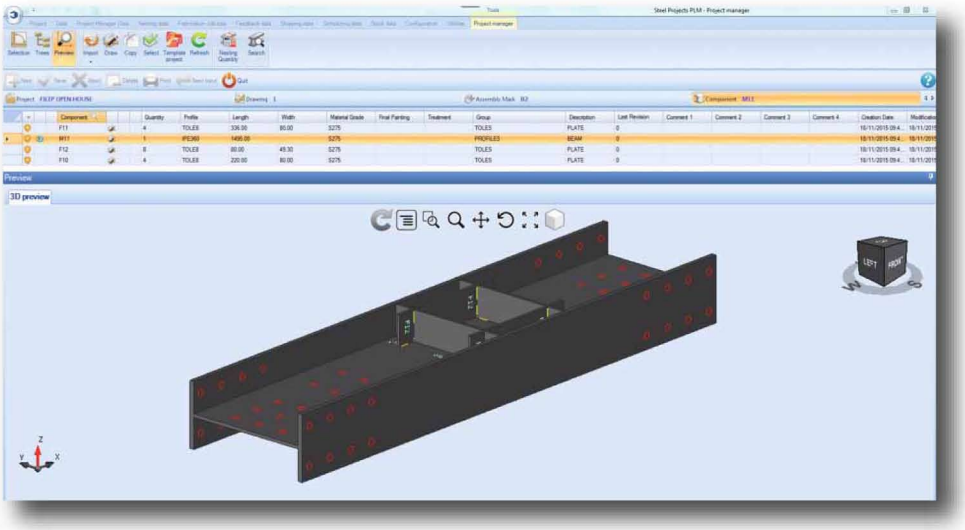
- Add new parts, or edit existing parts
- Add operations and geometry
  - Holes, copes, marks, scribing...
- Manage essential and typical CAD commands
- Print drawings

Profile Nesting (Optional)

- Automatic, visual, 2D/3D linear nesting
- Nest across projects
- Automatic cut lists, pull lists, purchase lists
- Fully configurable for optimum material usage
  - Optional > Import stock from Excel
  - Advanced algorithm to manage haunches and T-shaped profiles [3]

Plate Nesting (Optional)

- Manual or Automatic
- Common cuts
- Bridge cutting
- Collision avoidance
- Skeleton management
- True shape remnant management
- Tool checking
- Reports
- Nest across sequences, jobs, etc.



[2]

Project Management

- Assembly visualization and management [2]
- Automatic part checking and validation
- Full revision control and management

Production Planning

- Essential workstation management and analysis [4]
- Fabrication batch creation

Shipping Management (Optional)

- Manage vehicles, loads, packages, delivery tickets and other logistics
- Mobile application available for use directly in the shop

CNC Automation

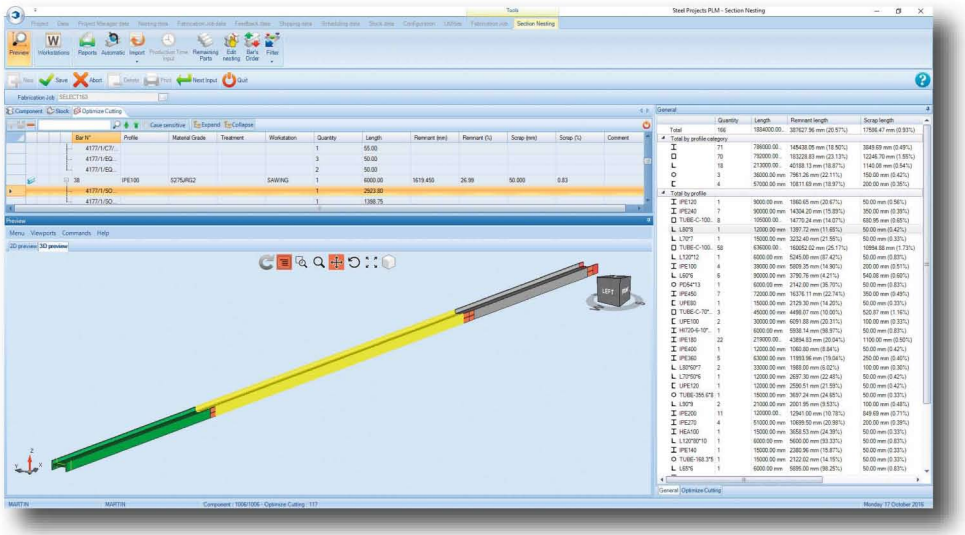
- Automatically route and create CAM data for multiple CNC machines

Integrate with External Systems

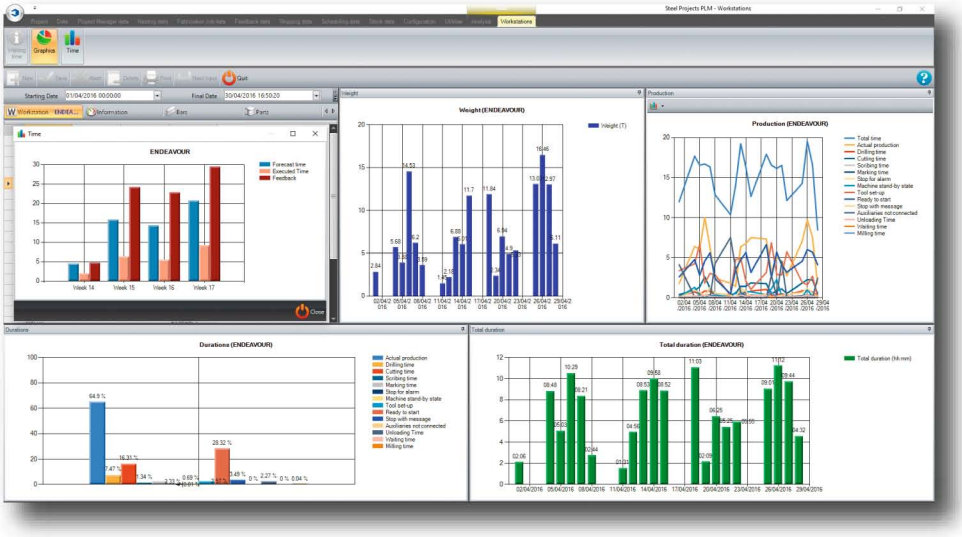
- Work alongside existing MIS and ERP packages for cut sheets, stock management etc.

CAD Viewer (Free Download)

- View, check and verify CAD and NC files
- Open multiple formats – DSTV, DWG, DXF, STEP...
- 3D visualization



[3]



[4]

Benefits

- ✓ *Save time*
- ✓ *Save steel*
- ✓ *Avoid errors*
- ✓ *Accelerate CNC programming*
- ✓ *Import data directly from the detailing office*
- ✓ *Improve visibility*
- ✓ *Analyze CNC productivity*
- ✓ *Maximize investment in CNC equipment*
- ✓ *Streamline production*
- ✓ *Integrate with other systems and departments*

Steel Projects **PLM**

Drive your production

A Tiered, Scalable Solution for Fabricators of all sizes

Small Fabrication → Large Fabrication, Multiple Machines, Automatic Systems, Multi-Site

Simple to use & install, standalone solution → *Networked configurable solution* → *Enterprise solution networked equipment*

Steel Projects PLM is a scalable solution for fabricators of all sizes. Customers can start with a simple standalone solution and slowly evolve toward Intelligent Steel Fabrication by adding modules, and upgrading capability toward a completely automated facility.

PRODUCT AREA/MODULE	Parts Manager	Project Manager	Production Manager
PROJECT PLANNING & PREPARATION			
Integrated Drawing Package - create, edit parts	S	S	S
Assembly Management		S	S
2D/3D visualization	S	S	S
Revision Management		S	S
Import CAD	O	O	O
Import BIM	O	O	O
MATERIAL PLANNING			
Manual/Basic Linear Nesting	S	S	S
Automatic Profile Nesting	O	O	O
Fully Integrated Plate Nesting	O	O	O
PRODUCTION PLANNING			
Production Manager Viewer			O
Part Checking and Validation		S	S
Workflow Management			S
Workstation Management			S
Fabrication Job Creation	S	S	S
Production Analysis		S	S
Automatic and/or Manual Production Feedback			S
Production Forecasting			S
MIS & ERP Interface		O	O
Stock and Purchasing Interface	O	O	O
4D link with BIM/3D Models			O
CNC AUTOMATION			
Automatic Post Processing	O	O	O
Automatic Handling/Routing			O
Export CAM data	S	S	S
Export DSTV, DXF...	O	O	O
TRANSPORTATION MANAGEMENT			
Shipping		O	O

S=Standard; O=Optional

About Steel Projects

Steel Projects specializes in developing solutions that enable steel fabricators to:

- Plan and schedule fabrication before it begins
- Get reliable, accurate and up to date information from the detailing office
- Create an integrated shop linking material handling, equipment and workstations
- Manage change seamlessly
- Adjust production on the fly to maximize equipment utilization or avoid bottlenecks
- Easily track and record progress and share it as needed with clients

Enjoy the peace of mind that comes with knowing your shop is maximizing use of its resources and operating as efficiently as it can be; with improved material flow and increased man-hour efficiencies.

Steel Projects has been at the forefront of steel fabrication software for over 20 years and our solutions are used in more than 90 countries.

A FICEP Company

Steel Projects Is A FICEP Group Company. FICEP, founded in 1930, is the world's largest designer, manufacturer and provider of CNC machines and integrated systems for steel fabricators. Together we have developed our completely integrated, unique process combining CNC machines, material handling, workstations, waypoints and software that surpasses anything previously seen in the industry.

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Microsoft Partner
Silver Data Platform
Silver Application Development

Learn More:
www.SteelProjects.com