

**PLANTMO-CAD is a software utility used inside the CAD Environment.**

**It is a feature rich tool that reduces the time to produce high quality Material Take-Offs (BOMs) and Isometric drawings.**

### BOM and Material Take-Offs Tools

PLANTMO-CAD has a Grid Manager to completely control how component data is displayed. Users can customize views to meet their viewing and extraction requirements. Excel style filters are available so users can reduce the selection set to their exacting needs before exporting to Excel Worksheet.

- ... Individual Item Listing
- ... Automatically totals Item requirements
- ... Automatically totals Pipe requirements
- ... Automatically totals by Line Number & Drawing

### Isogen Output File Management Tools

PLANTMO-CAD provides easy access to project model drawings and isometrics drawings so CAD Operators can open and delete them immediately. This Eliminates the time spent browsing for CAD files. In addition, through the use of 'hot links', PLANTMO-CAD will immediately open up the window directory location.

### Isometric Production Tools

PLANTMO-CAD streamlines isometric drawing production by batching isometrics and then controlling the workflow with those drawings! With the touch of a button:

- ... Failed Lines are deleted.
- ... Completed Lines are moved to a Work-In-Progress location defined by the operator
- ... Isogen Style Sheet Drawing Folders are cleaned out.

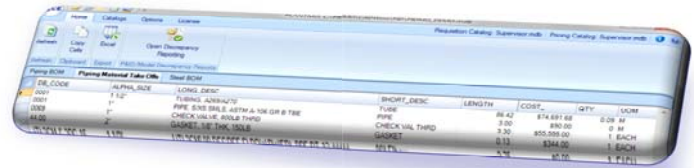
### Isometric Post Processing Tools

PLANTMO-CAD has the ability to post process the Isometric files with the following tangible benefits:

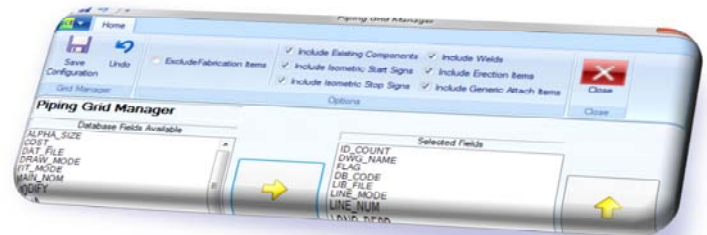
- ... Automatically update AutoCAD Block Attributes on EVERY Isometric.
- ... Automatically update Isometric file names as required by the job specifications or document management system
- ... Produce Isometrics using standard Title Blocks
- ... Improve revision control and maintain CAD Standards.

All Drawing updates are driven from a standard Excel file (e.g. Line List).

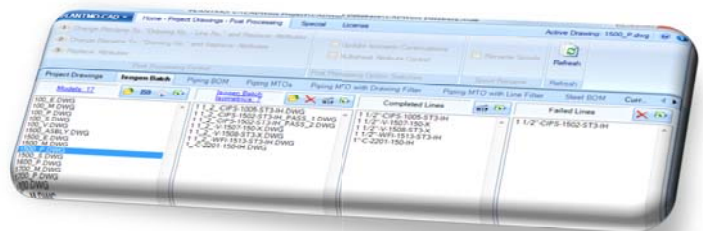
### Piping and Steel Grid Interfaces



### Grid Manager



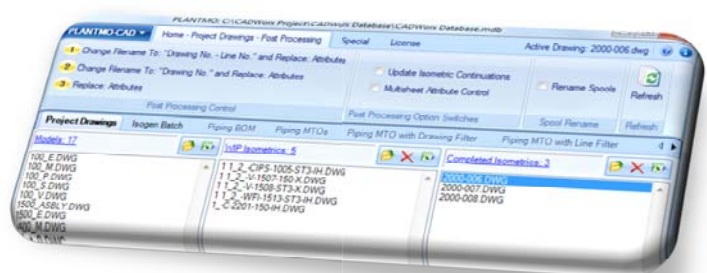
### Isogen Output File Management



### Updates Attributes in Isometrics



### Controls Isometric Filenames



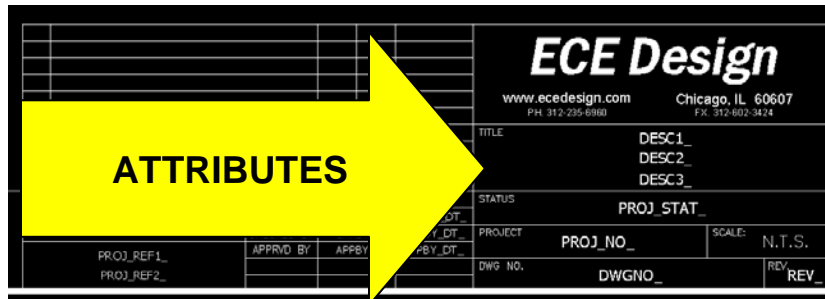
## Integrating with CADWorx Plant & Isogen

### AutoCAD Block Attributes in Isogen

PLANTMO-CAD automatically updates AutoCAD Block Attributes within isometric drawings produced by CADWorx Plant.

That's right – ISOGEN with PLANTMO-CAD can now employ STANDARD Title Blocks.

### What's in your Isogen Titleblocks?



### Return on Investment Scenario

**Problem:** You've just produced 500 Isometrics drawings, but the drawing filenames and title block attributes must conform to the clients' CAD Standards

#### What does this cost now?

Rename Files: 500 x 1 min = 8 hrs  
 Populate Title Blocks: 500 x 3 min = 24 hrs  
**Total: 32 hrs x \$50/hr = \$1600**

#### What does it Cost with PlantMO-CAD?

Rename Files: 500 x 1 sec = 8 min  
 Populate Title Block: 500 x 2 sec = 16 min  
**Total: 0.5 hrs x \$50/hr = \$25**

**Total Savings on first 500 drawings = \$1575**

### System Requirements

PLANTMO-CAD requires minimal computer resources and will run on computers with Windows operating system.

Software Requirements:

- AutoCAD 2009 or later
- Microsoft Excel (XLS/XLSX)
- CADWorx PLANT Professional

### Performance Improvement

ECE knows how to improve design performance and has built this knowledge into PLANTMO-CAD. You will realize immediate productivity and quality results on your very first project.

- Automating Drawing Updates
- Improve Drawing Information Entry Methods
- Centralized Model and Isometric Management
- Improve Revision Control

Contact us to learn more about how PLANTMO-CAD can be integrated with existing company processes to improve overall project performance.

### About ECE...

ECE Design is a provider of software and services specializing in plant design. ECE assists companies in leveraging the Intergraph CADWorx and Analysis Solutions and ADEPT software tools to achieve greater performance gains. From software and productivity training, to implementation services, to providing CADWorx outsourcing services, ECE is committed to helping our clients across North America achieve greater success.



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