



Autodesk University Round Table Summary

SESSION TITLE	What Are You Missing in Autodesk® AutoCAD® P&ID and Autodesk® AutoCAD® Plant 3D?
SESSION ID	PD1394-R & PD3998-R
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This is a summary from two sessions, because the second one was a repetition of the first one.

MAIN DISCUSSION POINTS

- What features and functions are you missing in AutoCAD® P&ID?
What CAD functions are you missing, but also what data related features would you like to see?
- What features and functions are you missing in AutoCAD® Plant 3D?
What improvements would you like to see for the creation of your structure, equipment and piping elements? What about deliverables?
- P&ID ↔ 3D Collaboration
Do you need a closer workflow between your P&ID and 3D piping drawings?
- Collaboration
What other Autodesk® products do you use in combination with AutoCAD® P&ID/Plant 3D and would you like it to work? What 3rd party products do you want to integrate?
- Project configuration
What features do you think are needed to speed up the configuration of a project?

KEY TAKE-AWAYS

- P&ID Improvements
 - ISA symbol library should be available in metric as well
 - Loops would be helpful
 - Handling of assemblies should be available
 - When importing data with data manager, a lot of drawings will be opened. Should be by drawing.
 - When inserting an instrument the leader should be added automatically.
- 3D Improvements
 - Content should be added to make it fast to get started with projects. Especially valves, expansion joints and Standard ANSI valves should be available.
 - Kind of shell around the valves for clashes



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- Different weld gaps
 - When copying a part family in Spec Editor the style for the PartSizeLongDescription should automatically be used
 - More equipment scripts
 - Cable trays, HVAC, not only graphic but intelligent
 - Add material and the likes to a spec so everything added to the spec gets this material. This way the material doesn't need to be specified for each new part added to the spec.
 - ISO layout should be out of the box
 - Show insulation in Orthos
 - Reference dimension similar to Isogen
 - Automatic Ortho annotation
- P&ID ↔ 3D Collaboration
 - Spec driven P&ID with a unified setup (no separate settings for PID and 3D)
 - Mapping from PID to 3D to Navisworks
- Collaboration
 - Revit concrete walls and foundation
 - XREF Revit drawings into Plant 3D
 - Plant 3D to 3D Studio Max
 - XREF Manager should be able to xref any format
- Project configuration
 - A function to copy a project with drawings should be available to keep the links between Off-Page connectors intact.
 - A centralized (project or non-project related) tool palette should be available. The current situation is not always a good solution.
- Others
 - A simple web platform to upload and download content, to exchange content with other users.