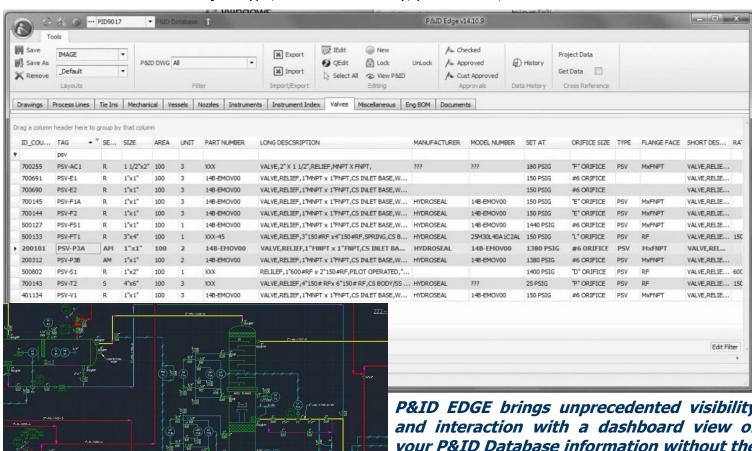# The CADWorx P&ID Dash Board

P&ID EDGE provides a customizable dashboard view of all of your CADWorx P&ID project data with full data editing capabilities, document management, history tracking, and search capabilities with or without a seat of AutoCAD or CADWorx P&ID. Combining the power of a SQL database with the simplicity of CADWorx P&ID, P&ID EDGE brings the lofty aspirations of "the Intelligent P&ID system" into the real world. Developed over a 7 year period with input to the features developed derived from actual everyday use in real world plant design, P&ID EDGE delivers much more than just hype, it delivers efficiency, performance, and bottom line results.

ID_COU...	TAG	SE...	SIZE	AREA	UNIT	PART NUMBER	LONG DESCRIPTION	MANUFACTURER	MODEL NUMBER	SET AT	ORIFICE SIZE	TYPE	FLANGE FACE	SHORT DES...	RAT
	psv														
700255	PSV-AC1	R	1 1/2"x2"	100	3	XXX	VALVE,2" X 1 1/2",RELIEF,MNPT X FNPT,	???	???	180 PSIG	"F" ORIFICE	PSV	MxFNPT	VALVE,RELIE...	
700691	PSV-E1	R	1"x1"	100	3	14B-EMOV00	VALVE,RELIEF, 1"MNPT x 1"FNPT,CS INLET BASE,W...			150 PSIG	#6 ORIFICE			VALVE,RELIE...	
700690	PSV-E2	R	1"x1"	100	3	14B-EMOV00	VALVE,RELIEF, 1"MNPT x 1"FNPT,CS INLET BASE,W...			150 PSIG	#6 ORIFICE			VALVE,RELIE...	
700145	PSV-F1A	R	1"x1"	100	3	14B-EMOV00	VALVE,RELIEF, 1"MNPT x 1"FNPT,CS INLET BASE,W...	HYDROSEAL	14B-EMOV00	150 PSIG	"E" ORIFICE	PSV	MxFNPT	VALVE,RELIE...	
700144	PSV-F2	R	1"x1"	100	3	14B-EMOV00	VALVE,RELIEF, 1"MNPT x 1"FNPT,CS INLET BASE,W...	HYDROSEAL	14B-EMOV00	150 PSIG	"E" ORIFICE	PSV	MxFNPT	VALVE,RELIE...	
500127	PSV-FS1	R	1"x1"	100	1	14B-EMOV00	VALVE,RELIEF, 1"MNPT x 1"FNPT,CS INLET BASE,W...	HYDROSEAL	14B-EMOV00	1440 PSIG	#6 ORIFICE	PSV	MxFNPT	VALVE,RELIE...	
500133	PSV-FT1	R	3"x4"	100	1	XXX-45	VALVE,RELIEF,3"150#RF x4"150#RF,SPRING,CS B...	HYDROSEAL	25M30L40A1C2AL	150 PSIG	"L" ORIFICE	PSV	RF	VALVE,RELIE...	150
200101	PSV-P3A	AM	1"x1"	100	2	14B-EMOV00	VALVE,RELIEF,1"MNPT x 1"FNPT,CS INLET BA...	HYDROSEAL	14B-EMOV00	1380 PSIG	#6 ORIFICE	PSV	MxFNPT	VALVE,REL...	
200312	PSV-P3B	AM	1"x1"	100	2	14B-EMOV00	VALVE,RELIEF, 1"MNPT x 1"FNPT,CS INLET BASE,W...	HYDROSEAL	14B-EMOV00	1380 PSIG	#6 ORIFICE	PSV	MxFNPT	VALVE,RELIE...	
500802	PSV-S1	R	1"x2"	100	1	XXX	RELILEF,1"600#RF x 2"150#RF,PILOT OPERATED," ...			1400 PSIG	"D" ORIFICE	PSV	RF	VALVE,RELIE...	600
700143	PSV-T2	S	4"x6"	100	3	XXX	VALVE,RELIEF,4"150# RFx 6"150# RF,CS BODY/SS ...	HYDROSEAL	???	25 PSIG	"P" ORIFICE	PSV	RF	VALVE,RELIE...	150
401134	PSV-V1	R	1"x1"	100	3	14B-EMOV00	VALVE,RELIEF, 1"MNPT x 1"FNPT,CS INLET BASE,W...	HYDROSEAL	14B-EMOV00	150 PSIG	#6 ORIFICE	PSV	MxFNPT	VALVE,RELIE...	

P&ID EDGE brings unprecedented visibility and interaction with a dashboard view of your P&ID Database information without the need for a seat of AutoCAD or CADWorx thus allowing the entire team access and input into the design as required.

Highlights

- Sort, Filter, Group by any combination of columns
- Save multiple User Defined views of any table
- Create updateable multi-line text using DB field values
- Powerful Search Features

- Zoom to, Flash, Hide and Show Selected Entities
- Export/Import any table data to/from Excel
- Drag & Drop attachment of documents to multiple entities
- Keeps history of every Database update

Powerful Data Management

P&ID EDGE provides a simpler, yet much more powerful way to enter and evolve the data within the CADWorx P&ID database. Data can be entered for single entities through simple datasheet like form, or entered into multiple rows via mult-iedit feature. Data can be selectively copied to a filtered set of destination entities via the copy to function. But no matter how the data is entered, the previous values are copied to a shadow table (complete with name/date of the editing user) so that the history is tracked or can even be restored if necessary.

Another important feature is that you can positively identify exactly which entity you are entering data into. While other solutions may allow you to directly edit the database through a database "frontend", what they lack is the graphic interface to help the user efficiently interact with the database. P&ID EDGE allows the user select entities from any table and then highlight each selected item within the actual P&ID graphic. For instance, if there are thousands of valves across hundreds of drawings, how can you know that the valve in the spreadsheet that you are about to edit (ex. DB row# 1587) is the one you want (the 12" valve the left side of Dwg# 79 on line # 12"-PG-1501-D-CA)? If you are in CADWorx it is easy to know which valve you are editing because you just open the drawing and select the valve you want to edit. But that means buying a lot of seats of AutoCAD and CADWorx P&ID just so that you personnel can enter data. P&ID EDGE provides similar verification capabilities at a much lower cost and with more powerful editing and control features.

Available Versions

Desktop Full Access

This version is designed with the Project Engineer, Instrumentation Engineer, etc. in mind. It has full editing capability for all database fields so that population of information is not limited to the CAD environment (CADWorx).
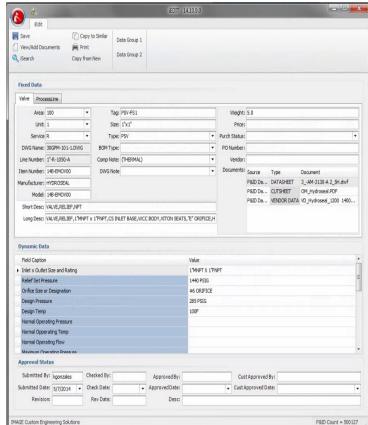
CADWorx User

This version is designed for the design staff that is running CADWorx P&ID to create the P&ID drawings. It features productivity enhancing features that allows the designer to quickly and accurately interface with the CADWorx drawing. Search, Zoom, Hide, Flash, special copy, mass property assignment, and many other features allow the designer to focus on production rather than database management.

Desktop Read Only Access

This version is intended for the user who just needs read only access for reporting, purchasing, review, etc.

Export/Import Data from Excel

P&ID EDGE allows the user to drop any selected data set to Excel. All columns, column order, sorting, filtering, grouping , etc. applied to the selection set will be exported as well. Since virtually every column available in the P&ID Database is a column available in the EDGE grid, data can be viewed and interrogated in exciting new ways that were previously impractical or impossible. If your workflow requires, the data can be edited outside in Excel and the changes can be pulled back into the Database.