AUTOCAD®
P&ID
2010

AutoCAD P&ID 2010 Features & Benefits

Create, modify, and manage piping and instrumentation diagrams with AutoCAD P&ID 2010. Built on latest AutoCAD platform, AutoCAD P&ID is familiar and easy to use. Common tasks are streamlined and automated to boost productivity, while component and line information is easily accessed by designers while they work.

Familiar to designers and engineers

Built on the 2010 AutoCAD platform, AutoCAD P&ID allows design teams to start immediately with minimal training and upstart time. Its intuitive interface and standard AutoCAD-based functionality means that many plant designers and engineers already know how to use it.

Simple to use and saves time

Made specifically for P&ID designers and engineers, AutoCAD P&ID enables faster and more efficient creation, manipulation, and revision to P&ID drawings. Features like Dynamic Lines and Dynamic Components track asset properties and know the intent of the designer, simplifying many of the detailed tasks that designers perform repeatedly. Other capabilities like customizable tagging and property propagation save time and reduce errors by automating the creation and updating of tags.

Accessible and accurate with information

AutoCAD P&ID helps to ensure integrity of engineering information through constant design changes and engineering modifications. The versatile Data Manager enables easy data manipulation and reporting while also supporting information exchange with external sources in multiple formats. The validation feature performs error checking to ensure accuracy.

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Feature	Function	Benefit
Project Manager	The Project Manager interface provides overall management and previews of project DWG files.	Easy project setup with straightforward organization and management of files across an entire project. Track revisions and group drawings logically to allow project-wide lists and reports.
Data Manager	The Data Manager provides a data-grid interface for managing engineering data.	Conveniently view and edit underlying engineering data. Verify data changes while seeing the impact of external data updates in the context of the drawing.
Symbol Libraries	Industry standard symbols (PIP, ISA, JIS, and ISO/DIN) are available from the P&ID tool palette. Administrators can also create symbols specific to their company or client needs.	Place symbols from the tool palette directly into drawings. Symbols snap into place automatically.
Dynamic Lines	Create, move, and snap lines into place using grips. Lines automatically break, mend, maintain direction, and attach to components that are inserted on the line.	Simple creation and modification of lines with intuitive grip editing and manipulation. Eliminates tedious tasks of breaking and mending lines when components are added and removed.
Dynamic Components	Create, move, and snap components into place. The component properties and information are dynamically linked to the underlying data.	Quickly move and snap components in place without the burden of manually editing underlying data. Reduce work-steps required to insert components.
Tagging and Annotations	Industry standard and customizable tag and annotation formats. Tags dynamically resize, properties propagate automatically, and information can be dragged and dropped from the Data Manager.	Easy creation and editing of tags and annotations with an intuitive interface. Save time and maintain consistency by setting up standard tagging formats.
Reporting	Export engineering information into drawing data tables as well as various file formats such as Microsoft Excel and CSV.	Easy reporting, editing, and sharing of project information such as line lists, valve lists, and instrument lists. Quickly sort and organize information for easy referencing.
Validation	Perform error checking with the ability to identify, navigate to, and highlight inconsistencies in the drawings.	Ensure accuracy and reduce time spent on identifying potential problems.