PRODUCT DATA SHEET

OpenPlant PID (SELECTseries 5)

Open and Interoperable P&ID Product Based on ISO 15926 that Allows Access to Any Application Using the Open Schema

OpenPlant PID (SELECTseries 5) is an easy-to-use, data-driven application for the rapid production of P&IDs, allowing users to capture and reuse information in an open format. It reduces the time required to create these critical documents and enables the sharing of all process information across the lifecycle of the asset.

Rapid Creation of Intelligent P&IDs

Many intelligent P&ID solutions are difficult to configure and use. OpenPlant PID is different. It is powerful, data driven, and provides the best functionality to swiftly and efficiently create intelligent P&IDs. OpenPlant PID allows users to generate P&IDs with components verified against valid piping specifications. OpenPlant PID also has parametric drafting routines to speed drawing generation. Task-based navigation and other advanced user interface features make the system easy to learn and use.

Stand-alone or Integrated P&ID Creation

OpenPlant PID can work as a stand-alone application for smaller projects or can be connected to the plant project database to provide both portability and integration with other Bentley plant design applications.

Consistent and Accurate Components

Component validation can be done in OpenPlant PID so the user always knows that drawings are consistent and accurate. The user can select from one of the available persistence modes to determine when the rules are run – immediately, on a timed basis, or on user request.

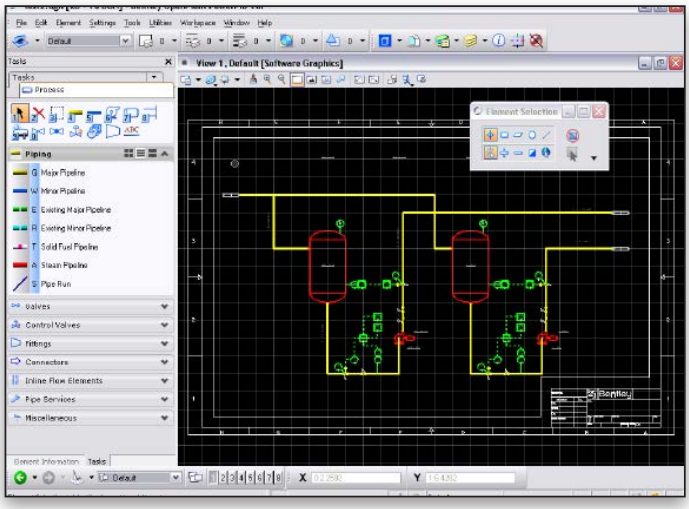
When a rule finds a component in an invalid design state, the component is flagged for follow up. The flagging is user configurable such that it could appear on the drawing in several different forms. Company-specific rules can be added and separated from the open data model, giving organizations the flexibility to create their competitive edge.

Strong Version Control and Clear Project History

P&IDs are consistently being revised and it is important to track changes down to the attribute level to ensure regulatory compliance. OpenPlant PID allows users to save revisions or versions of their drawings through the Design History feature. All revisions are saved, even after a revision rollback, so users can restore to their original starting point.

Standard Symbols and Assemblies

To speed the P&ID development process, OpenPlant PID includes symbols that conform to ISA and ISO standards and a complete set of piping and



Task-based navigation and other advanced user interface features make the system easy to learn and use.

instrumentation line types such as major, minor, pneumatic, electric, and DIN. To further speed P&ID creation, OpenPlant PID includes a component management tool that supports symbol customization and readily modifies the data and tag numbers of the assembly components. For KKS users, there is a separate workspace available for download in order to work with that tagging convention.

Increased Project Overview and Insight

Data integrity and data access are becoming more important to customers as standards compliance becomes a bigger business driver. OpenPlant PID comes with a powerful browser that allows users to see a full list of all the components in the drawing and their relationships to one another as well as visualize and edit any of the data associated with the components on the drawing. Valve lists, line lists, instrument lists, equipment lists, and more are all key pieces of information for project scope and costing. OpenPlant PID provides both a robust reporting system, including the ability to export to Microsoft Excel, and detailed project-wide reporting through Bentley Data Manager when connected to the plant project database.

System Requirements

Operating System
Windows 7 (32- or 64-bit)

Software Prerequisites

Desktop Prerequisite Pack v08.11.09.03 must be installed prior to OpenPlant PID. Download it from SELECTservices Online.

Citrix Support:
Citrix system with XenApp® 6.0 for Microsoft Windows Server 2008 R2

Processor
Intel or AMD processor 2.0 GHz or greater

Memory
512 MB minimum,
2 GB recommended.

Hard Disk
900 MB free disk space (which includes the 400 MB install footprint for a complete installation)

Video
Graphics card supported by DirectX 9.0c. 256 MB of video RAM or higher is recommended. If insufficient video RAM or no support for a graphics card is provided by DirectX, MicroStation attempts to use software emulation. For optimal performance, graphics display color depth should be set to 24-bit or higher.

Find out about Bentley at: www.bentley.com

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OpenPlant PID At-A-Glance

Rapid P&ID Creation

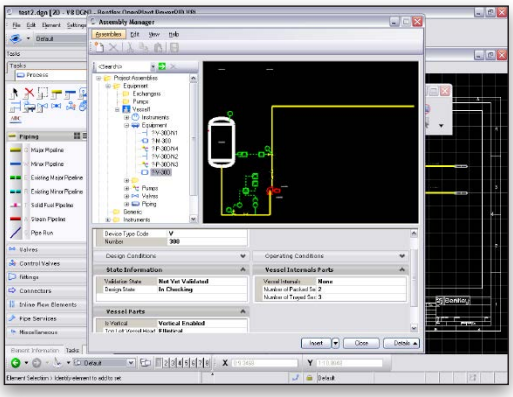
- Parametric vessels, control valves and instrumentation
- Create P&IDs in both DGN and DWG formats
- Advanced user interface for ease of use and quick learning, with task-based navigation, toolbars, picklists, and more
- Advanced drafting utilities include automatic line break/mend with configurable breaks, line tag updates, instrument bubble break/ mend and attribute display dialogs
- Component replacement tool to swap out similar type components for one another without having to delete and recreate
- Improved assembly management functionality including in-line assemblies
- Ability to preview assemblies and define and modify data and tag numbers for the components in the assembly prior to insertion

Data Management

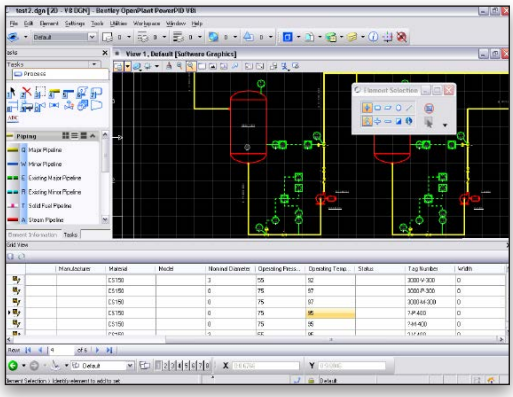
- Engineering orientated browser to view relationships between components and all component properties
- Element information dialogs to browse specific components or sets of components
- Consistency Checking
- Rules engine for the validation of components based on user needs
- Rules can be used to create specification driven P&IDs

Advanced P&ID Functions

- Intelligent annotations for lines and equipment
- Accurately reflect line attributes at all occurrences on the drawing
- Page connectors for automatic lookup and reuse of to/from data across multiple drawings
- User-definable tag formats can include any field associated to a class to ensure drawing accuracy
- Users can tag upon placement, or draft their P&IDs and tag items later



Symbols and assemblies speed the P&ID development process.



OpenPlant PID allows users to generate P&IDs with components verified against valid piping specifications.

Bentley
Sustaining Infrastructure