

Bentley
Advancing Infrastructure

CONNECT Edition



OpenPlant PID

Open and Intelligent P&IDs

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

The CONNECT Edition

The SELECT® CONNECT Edition includes SELECT CONNECT services, new Azure-based services that provide comprehensive learning, mobility, and collaboration benefits to every Bentley application subscriber. Adaptive Learning Services helps users master use of Bentley applications through CONNECT Advisor, a new in-application service that provides contextual and personalized learning. Personal Mobility Services provides unlimited access to Bentley apps, ensuring users have access to the right project information when and where they need it. ProjectWise® Connection Services allow users to securely share application and project information, to manage and resolve issues, and to create, send, and receive transmittals, submittals, and RFIs.

Rapid Creation of Intelligent P&IDs

OpenPlant PID allows you to generate P&IDs with components verified against valid piping specifications. Computational drafting routines are used to speed drawing generation. Task-based navigation and other advanced user interface features make the system easy to learn and use.

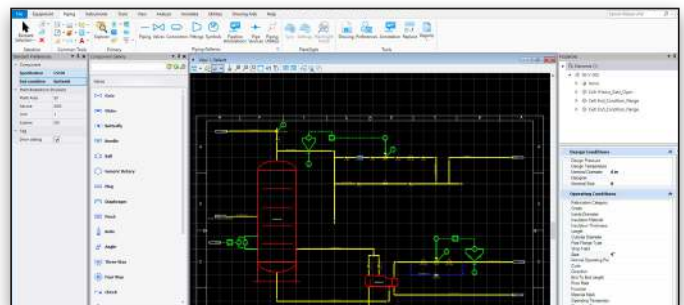
Stand-alone or Integrated P&ID Creation

OpenPlant PID can work as a stand-alone application for smaller projects. However, to truly unlock savings on a project, connect OpenPlant PID to Bentley iTwin® Services and PlantSight to support distributed teams, utilize component-based workflows, and track and manage changes. A digital twin ensures consistent and up-to-date engineering information across the design phase with continuous handover into operations.

Consistent and Accurate Components

Component validation can be done in OpenPlant PID so you always know that drawings are consistent and accurate. You 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.



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

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 you to save revisions or versions of drawings through the Design History feature. All revisions are saved, even after a revision rollback, so you can restore them to their original starting point.

Standard Symbols and Assemblies

To speed the P&ID development process, OpenPlant PID includes a comprehensive set of industry standard symbols for equipment, piping, instruments and instrument lines. To further speed P&ID creation, OpenPlant PID includes a component management capability 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. Additional content will continue to be added through integration with Bentley's Components Center.

Increased Project Overview and Insight

Data integrity and data access are becoming more important to clients as standards compliance becomes a bigger business driver. OpenPlant PID includes a powerful browser that allows you to see a full list of all components in the drawing and their relationships to one another. It also allows you to 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 a robust reporting system in product that includes the ability to export to Microsoft Excel. Detailed project-wide reporting is available through iTwins Services and PlantSight web capabilities.

System Requirements

[Click here for the latest system requirements](#)

Find out about Bentley at: www.bentley.com

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OpenPlant PID At-A-Glance

Rapid P&ID Creation

- OpenPlant CONNECT Edition increases usability with a new easy to use ribbon interface
- Multiple workflows, task ribbons, galleries, toolbars and picklists give the user rapid access to needed features and functionality
- Advanced drafting utilities include automatic line break/mend with configurable breaks, line tag updates, instrument bubble break/mend and attribute display dialogs
- Component replacement feature swaps out similar type components for one another without having to delete them and recreate them
- 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

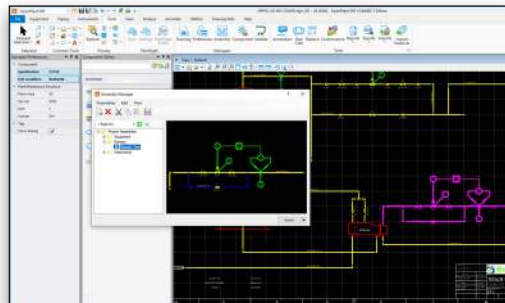
Data Management

- Engineering orientated browser to view relationships between components and all component properties
- Element information dialogs to browse specific components or sets of components

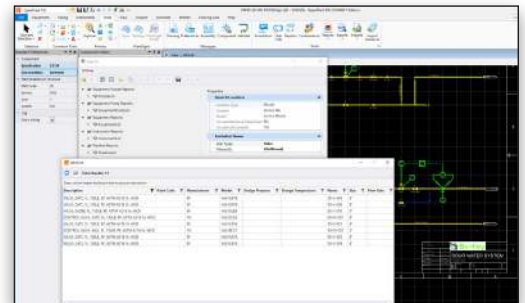
- Consistency checking
- Rules engine for validating components based on your needs
- Rules can be used to create specification-driven P&IDs
- Web-based data management capabilities through PlantSight Tag Management Queries give access to project data from anywhere you can connect to the internet

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
- CONNECT Advisor provides access to context specific learning on features, workflows and best practices for continuous skills improvement



Symbols and assemblies speed the P&ID development process.



Updated reporting tool produces drawing specific reporting or projectwide reporting from one simple interface.