

Recommended System Configuration

Processor:

Intel Core i7, Intel Xeon, AMD Phenom II or AMD Operton

Operating System:

Microsoft Windows 7 (32 or 64 bit) Enterprise or Ultimate Edition

Memory (RAM):

4GB for 32-bit Windows 7, 8GB (minimum) for 64-bit Windows 7

Graphics Card:

1GB Microsoft Direct3D capable workstation-class graphics card

Disk Space:

2GB available

Software:

- AutoCAD 2012 (32 or 64 bit)
- Microsoft Office 2010 Professional (32 or 64 bit)
- Microsoft SQL Server 2008 R2 Enterprise Edition

Find out about Bentley at: www.bentley.com

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AutoPLANT P&ID V8i At-A-Glance

Parametric and Automated Drafting Routines

- Offers standard AutoCAD commands (move, stretch, copy, etc.)
- Enables faster drawing creation
- Includes easy-to-use Symbol Manager, toolbars, dynamically updated dialogs and pick-lists, and more
- Offers automatic process line break/mend, line tag updates, valve swapping, reducer orientation, nozzle placement, and attribute display controls, and more
- Includes grouping commands to quickly edit, move, and delete components and associated attributes
- Allows use of shared project assemblies to create groups of components and the associated project data

Symbol Manager

- Drag-and-drop component placement
- Right-click, context-sensitive menus for creating custom component symbols
- User defined symbol groupings to quickly locate most-used symbols
- Convert "dumb" graphical objects into intelligent tagged project components

Component Data Entry Dialogs

- Populate the AutoPLANT project database by selecting the P&ID components
- Customize to suit individual project needs and set user access control
- Associate manufacturers documents such as installation and operation manuals

- Review component project data created via Bentley® Data Manager, Bentley® Datasheet, or Bentley® Instrumentation and Wiring
- View critical maintenance documents such as loop diagrams and datasheets

Specification-driven Valve Placement Functions

- Limit valve selection options to what is available in the spec
- Share the same specs as AutoPLANT Piping V8i
- Ensures accuracy of valve data, and end conditions

Integration

- Components placed on the P&ID are instantly available to other disciplines via the integration with the plant project database
- Select pipes and equipment to from the P&ID model in AutoPLANT Piping V8i
- Create datasheets via Bentley Data Manager V8i for components placed on the P&ID
- Model loop connections and generate instrumentation and electrical deliverables, and place on the P&ID using Bentley Instrumentation and Wiring V8i, or Bentley® Promis•e® V8i
- Exchange models with third-party applications and review read-only, open design data via the Bentley i-model format
- Use Bentley® Navigator V8i for design review
- Manage your project design data and drawings with ProjectWise® Integration Server V8i

- Browse P&ID tags and data via Bentley® Vision V8i
- Generate component reports via Bentley Data Manager V8i
- Pass data to eB Data Quality Manager for operations and maintenance

Exchange Drawings and i-models

- Copy P&IDs from one project to another via the Exchange drawing format
- Create project milestone archive drawings with the project data embedded into the drawing
- Review P&ID design using Bentley® i-model Composer and Bentley® Navigator

Organized and Accurate Drawing Files

- Automatically update intelligent line annotation based on actual pipe line project data
- Intelligent To/From process line connections spanning multiple drawings
- User-definable tag formats based on any project database field value
- Automatic checking for unique tag numbers within the project
- Automatically increment tag numbers on insertion. Next and Max tag number picks available
- Link component symbols to component tags previously created via Bentley Data Manager V8i or Bentley Instrumentation and Wiring V8i
- Application functionality customization possible via LISP routines



Manage piping design with the Process Line Manager.



Allows users to check the consistency of the P&ID design.



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