

PLANTSPACE® P&ID

The
v8Generation

Process and instrumentation diagrams deployable for design or operations

PlantSpace® P&ID is a powerful application for creating process and instrumentation diagrams (P&IDs), combining high-productivity drafting with intelligent review and reporting capabilities. The software brings substantial savings in the time and money traditionally expended in schematic drawing and report generation.

PlantSpace P&ID drawings provide a graphical window into plant data for use in plant operations and maintenance activities and retrofits. The software integrates easily with standard maintenance and process control systems. Additionally, it supports easy conversion of existing P&IDs in many formats to intelligent PlantSpace P&IDs. PlantSpace P&ID is easily configured to meet enterprise or client standards and is fully compatible with PlantSpace Design Series 3D modeling software. It integrates seamlessly with most commercial databases and spreadsheets for Microsoft Windows® 2000 and Windows NT®.

Rapid, Intelligent Drafting

Using AccuDraw® technology, PlantSpace P&ID greatly enhances drafting productivity. You can rapidly place P&ID symbols without setting up file specifications or database parameters. The software overcomes many of the limitations of traditional P&ID creation, allowing you to draw intelligent P&IDs with minimal input. PlantSpace P&ID then creates an intelligent object model from the information in your drawing.

Object-based Schematics

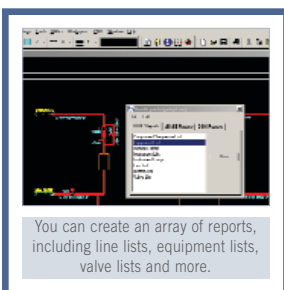
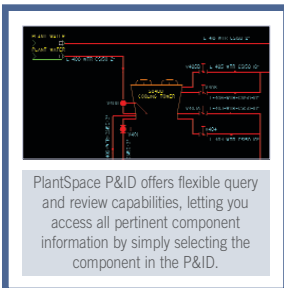
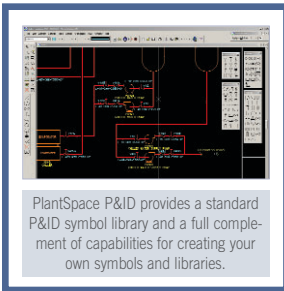
PlantSpace P&ID drawings derive information from the data that you place in the drawing. Unique object technology provides intelligent checking for data validity and consistent engineering design practices. The software automatically reports conflicting flow, unconnected lines and other inconsistencies. PlantSpace P&ID also checks for valid data input and inconsistencies between different P&ID sheets. You can define checking methods according to your company or project specifications.

Flexibility in Controlling Project Standards

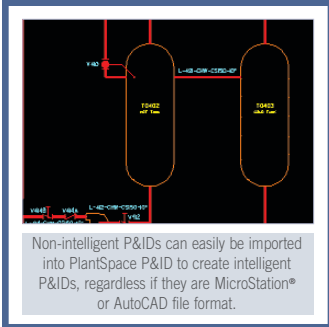
PlantSpace P&ID offers standards control at the component level. The software provides a standard P&ID symbol library and a full complement of capabilities for creating your own symbols and libraries. You can also import AutoCAD® drawings in the P&ID, if desired.

Component Query and Review

PlantSpace P&ID offers flexible query and review capabilities, letting you access all pertinent component information by simply selecting the component in the P&ID. The software displays a list of the piping line, valves, instruments, instrument loops and equipment in the P&ID, from which you can select and highlight components or component groups in the drawings. As you scroll through the list, PlantSpace P&ID automatically zooms in on each item for clear identification.



PLANTSPACE P&ID AT-A-GLANCE



Conformance

- Ability to create intelligent P&IDs from non-intelligent P&IDs

Component Review and Query

- Flexible query and review capabilities
- Listing of piping lines, valves, instruments, instrument loops and equipment

Symbol Library

- Standard P&ID symbol library and a full complement of capabilities for creating symbols and libraries
- Similar “feel” to MicroStation placement and drafting for ease of drawing creation

Reports

- Creation of a wide array of reports, including line lists, equipment lists, valve lists and more that can be both DGN based and ODBC compliant

Standards

- Available with ANSI standards and PIP TM (Process and Industry Practices)

PLANTSPACE P&ID HARDWARE AND SOFTWARE SYSTEM REQUIREMENTS

- Processor:
Intel® Pentium® III
- Operating system:
Microsoft Windows XP,
Microsoft Windows NT® 4
(SP6 recommended),
Windows® 2000
- Memory:
128MB RAM
- Disk space:
75MB minimum free
disk space
- Software: MicroStation v7
or v8 and MicroStation
Schematics v7 or v8
and Microsoft Data Access
Components (MDAC) 2.6 for
Oracle 8i and SQL Server
2000 projects
- Databases: Microsoft Data
Access Components (MDAC)
2.5 for Access projects run-
ning on Windows NT 4.0
(Necessary MDAC compo-
nents for Access are deliv-
ered with Windows 2000.)

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