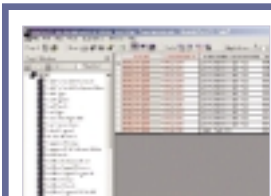


BENTLEY® AUTOPLANT® INSTRUMENTATION & WIRING

An intuitive, powerful environment for defining project instrumentation data



Instrumentation and wiring views enable entry or modification of any tag

Bentley® AutoPLANT® Instrumentation & Wiring module is the ideal tool for creating loop and termination drawings, wiring diagrams, motor schematics and single line diagrams. By combining an intuitive, graphical interface with a fully integrated relational database, plant engineers and maintenance and operations departments can efficiently manage all instrumentation, electrical and field bus data. The application utilizes an independent graphics engine to produce finished deliverables in a wide range of formats including DWG, DXF, XLS, VSD and Visio® XML. The built-in Report Writer quickly creates and maintains instrument, cable, card and motor lists and other essential project-specific reports.

AutoPLANT Instrumentation & Wiring is one module of an integrated suite of applications that share data from one common relational database. All instrumentation and electrical data (including tag numbers, descriptions, service and size) can be shared between AutoPLANT P&ID, AutoPLANT Data Manager, AutoPLANT Datasheets, AutoPLANT Hookups and PlantLIFE® Vision. Data flows seamlessly between the modules without the need for laborious, often inaccurate import and export routines. Together, these modules provide an effective Electronic Data Management (EDMS) solution.

Fast, Accurate Data Entry

The interface of AutoPLANT Instrumentation & Wiring is user-friendly, with menu-driven, context sensitive online help features. The easily configurable views display all instrument- and electrical-related data generated in many of the process and instrumentation modules. Integrated SQL-based pick lists can be generated for any cell in a view, reducing data entry errors and ensuring consistency. The search, query, filter and sort commands provide quick access to pertinent data, while the property sheet command allows you to quickly modify multiple records, dramatically reducing the time required for data entry and modification.

Intuitive Connection Interface

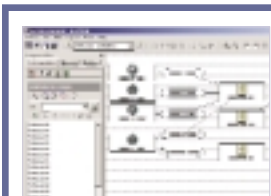
The intuitive drag-and-drop feature of the layout designer function lets you quickly define instruments, motor loops, panels and their connections. You can first group instrumentation or electrical objects and then modify and connect the components together.

Multiple Reporting Capabilities

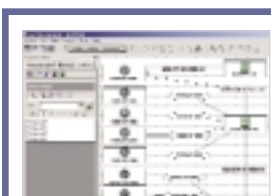
AutoPLANT Instrumentation & Wiring includes 20 standard, pre-defined reports. You can quickly create and store unique instrumentation and electrical reports for cable data, costing details and equipment specifications. In addition to creating data reports, AutoPLANT Instrumentation & Wiring exports the data in a variety of formats including XLS, MDB and DBF, as well as printer-specific formats and text only files.

AutoPLANT Hookups

AutoPLANT Hookups is an add-on module that allows users to access and manage instrument installation detail drawings and to generate parts lists and bills of materials. The AutoPLANT Hookups module utilizes Microsoft® Excel as its native format for data storage and customization.

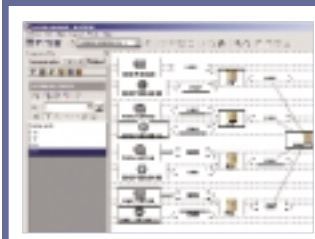


Layouts can be defined by area



Layouts can be defined by Field Bus

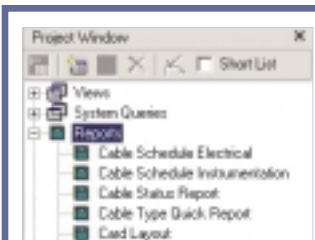
BENTLEY AUTOPLANT INSTRUMENTATION & WIRING AT-A-GLANCE



Layouts can be defined for motor control



The detailed connection view shows wiring details for any object on a layout



Twenty standard reports supplement the capacity to create and store unique project reports

SYSTEM REQUIREMENTS

- Microsoft Excel must be installed on each user system prior to installation of AutoPLANT Hookups
- Processor: Pentium® II 400MHz
- Operating System: Windows® XP, 2000 or Windows NT® 4.0 SP6, Microsoft Office 97, 2000 or XP
- Memory: 128MB RAM (256 MB recommended)
- Disk Space: 650MB (1GB recommended)

Template-generated Drawings

- Produces drawings using detailed drawing templates
- Ability to customize the graphical appearance of the template to meet project specifications

Building from Libraries

- Stores pre-wired loop, terminal, panel and card configurations in a project or system library to quickly define instrumentation or electrical objects
- Reduces generation time and errors caused by redundant data entry

Drawing Generation Capabilities

- Fast viewing of an accurate, graphical representation of loop connection details, terminal strip connections, panel connections or cable core connections
- Ability to generate drawings in DWG, XLS and XML formats to adapt automatically to design changes, with no dependence on a graphical template
- Detailed drawing templates for quick drawing production
- Template creation using DWG, DXF, XLS or VSD

Hookups

- Automatic generation of a hookup drawing for a single tag or multiple set of tag numbers
- Modification of existing hookup templates
- Creation of new profile templates

Integrated Database

- One common relational database
- Seamless flow of data
- Accurate import and export routines

CALL TODAY FOR MORE INFORMATION

Bentley Systems, Incorporated, is a global provider of collaborative software solutions that enable our users to create, manage and publish architectural, engineering and construction (AEC) content. As a part of those solutions, Bentley provides professional services including implementation, integration, customization and training.

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