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News Alert

Bentley Releases Instrumentation & Wiring 8.9.3 Edition

Enhanced Features Include Foundation Fieldbus Network Design Capability

EXTON, Pa. – April 03, 2008 – Bentley Systems, Incorporated has released version 8.9.3 of Bentley Instrumentation & Wiring, a database-driven application for creating project instrumentation loop diagrams, panel termination diagrams, motor schematics, and single-line diagrams. Among the version's new features is the ability to include Foundation Fieldbus segment networks in user designs.

Said Rob Whitesell, vice president, Bentley Building and Plant Products, "With Bentley Instrumentation & Wiring's new support for Foundation Fieldbus networks, our users can build and maintain an electronic model combining conventional instrumentation loops with Foundation Fieldbus networks. With this data residing in the Bentley Plant project database, users can locate data and documents quickly and easily. They can rely on Bentley DigitalPlant technology to ensure the accuracy of the data and consistency of the documentation for plant control systems."

Enhanced capabilities of Bentley Instrumentation & Wiring 8.9.3 include:

- Foundation Fieldbus Network design capability – Bentley Instrumentation & Wiring now supports the design of Foundation Fieldbus networks and the generation of segment drawings with its new "composite" drawing functionality. New features allow users to design and connect segment groups, fieldbus "bricks" (i.e., field termination blocks), spurs, splices, trunk cables, and H1 I/O cards. Allocation of I/O to H1 card ports can either be made automatically – by connection – or manually prior to modeling connections. New associative

functionality allows instruments to be assigned to loops as well as segments. This permits common data to be displayed on loop and segment drawings, assuring data consistency.

- Internal panel cables – Users of Bentley Instrumentation & Wiring now can define a cable as being “internal” to a panel. This enables engineers to connect terminal strips, devices, and fieldbus bricks internally by cables or individual panel wires. Internal cable can be changed to be “external” (i.e., panel to panel) and vice-versa.
- Automatically toggling signal tag for panel drawings – Users can now toggle the instrument signal tag on and off when generating panel termination drawings and connection diagrams for any point of marshalling from the field device to the control panel. This makes it possible to quickly check connectivity (i.e., correct signal assigned to correct cores), which is invaluable information during the commissioning stage of a project.
- Improved tag sorting within the Group dialogs – Windows Explorer-style “heading-click” sorting has now been added to all Group dialogs (loops, segments, field panels, electrical panels, and card panels) so that users can easily sort the tagged data in ascending or descending order. These sorting definitions are tab-specific within the Group dialogs and are retained when the dialogs are closed.
- ProjectWise and MicroStation 8.9.3 support – Bentley Instrumentation & Wiring 8.9.3 is built upon Bentley Plant Framework version 8.9.3. It therefore supports integration with the Bentley ProjectWise suite of server applications to provide a managed environment for distributed projects. Bentley Instrumentation & Wiring 8.9.3 also supports Bentley MicroStation 8.9.3, a powerful, accessible, and interoperable CAD platform for the design, construction, and operation of the world’s infrastructure.
- AutoCAD 2007 and 2008 support – Bentley Instrumentation & Wiring 8.9.3 now supports AutoCAD 2007 and 2008, enabling full flexibility in deliverable format.

Bentley Instrumentation & Wiring's intuitive drag-and-drop graphical interface and fully integrated relational database allow engineering, maintenance, and operations departments to efficiently manage all instrumentation and motor data. The software produces finished deliverables in DGN, DWG, or DXF format. The built-in reporting engine quickly creates and maintains instrument, cable, termination, I/O card, and motor lists as well as other essential project-specific reports.

Bentley Instrumentation & Wiring is one module of the Bentley Process & Instrumentation Workgroup suite of applications, all of which share data from a common relational database. All instrumentation and motor data (including tag numbers, descriptions, service, ratings, and so on) can be shared among AutoPLANT P&ID, PlantSpace P&ID, Data Manager, Data Sheets, Hookups, and Vision. The data is shared seamlessly without the need for laborious and error-prone import and export routines.

The Bentley Instrumentation & Wiring project database integrates with AXSYS.Process, AutoPLANT 3D, PlantSpace 3D, promis•e, ProjectWise Lifecycle Server, and ProjectWise Integration Server to provide full DigitalPlant functionality throughout the lifecycle of a plant – from FEED to maintenance.

EPCs and owner-operators concerned about data integrity, reducing project design man-hours, and maintaining plant control system data will find that Bentley Instrumentation & Wiring 8.9.3 is the ideal tool for them.

Bentley Instrumentation & Wiring 8.9.3 Edition is now available from SELECTservices Online at selectservices.bentley.com.

About Bentley

Bentley Systems, Incorporated provides software for the lifecycle of the world's infrastructure. The company's comprehensive portfolio for the building, plant, civil, and geospatial verticals spans AEC and operations. With revenues now surpassing \$400

million annually, and more than 2400 colleagues globally, Bentley is the leading provider of AEC software to the Engineering News-Record Top Design Firms and major owner-operators, and was named the world's No. 2 provider of GIS/geospatial software solutions in a recent Daratech research study.

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