

SmartPlant Instrumentation Update

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- Discussion of the issues

- V.2009 released end of October 2009, major focus on quality improvements and limited functionality (extending significant development in 2007.x SP's)
- V.2009 Service Pack 1 released early May;
- V.2009 Service Pack 2 planned for Q4 2010/Q1 2011, currently finalizing planning
- V.2012 planned for H1 2012; will include support for new platforms (Oracle 11), new functionality (Wireless, Browser Wizard, Control & Logic Diagrams, etc) and customer issues resolution (TR's).

- Remove spaces from the tag numbers (via Rule manager)
- Electrical equipment information exchange improved – ability to map additional SPEL attributes to SPI Custom fields on Electrical Equipment.
- Ability to do Cable Routing and Drumming in Project section of O/O domain
- Unit level cables and panel folders added, possible to move cables and panels between units by drag & drop
- Handle process connection to the lines for the relief valves (previously only control valves)
- Soft tags are now created from P&ID Control System Function objects, when retrieving from SmartPlant Instrumentation P&ID.
- Multiple enhancements to ESL custom mode - update assembly, improve results, Off-Page Connector (OPC), save custom symbols in layout, etc.
- Multiple Specification forms can be assigned to a single instrument – e.g. composite and single (purchase) specs
- Define print-out size of the multi-tag list of see-list.
- Export cables to SPEL

- Support new platforms (Windows 2008 server, MS SQL 2008, Windows 7 client)
- Handle macro expansion between SPPID and SPI (simplified representation, *tentative*)
- Changes to the Upgrade and Hot Fix mechanism (SmartUpgrade)
- Expand and synchronize SP3D and SPI DDP content (libraries)
- Multiple connections for instruments (more than one line connection)
- Enhance SPI adaptor to create electrical signals from SP P&ID
- As Built improvements and fixes
- Externalize SPI adaptor P&ID navigation logic to allow easier configuration and customization for different P&ID design practices
- Improved composite specifications management
- Area and Unit note length to be increased to allow for full retrieval from SPF (when retrieving PBS)

Creating common environment for instrumentation and electrical design tasks



- Sigraoh.CAE acquisition in 2009 provides complementary functionality for detailed wiring design, especially for electrical discipline
- Starting the process to consolidate different I&E applications into a single environment for I and E engineering tasks – planning and focus teams

Integrating the Engineering Enterprise

