## SmartPlant Instrumentation Technical User Forum P2C2 (Houston SPI TUF) Meeting Attendees 41 Members in attendance 12 Online Connections Copied To Houston SPI LTUF Website Called By John Dressel Prepared By Betty Alexander & Jay Brock

Item	Topic	Notes	Action/Due
1	Welcome to Foster Wheeler	Intro by Hoi Pham of Foster Wheeler:  Safety is part of the culture of FW at work and at home.  Video presentation  FW works in Upstream, Refining, LNG, Petrochemical, Pharmaceutical, Chemical & Power.  FW was formed in 1927  Headquartered in Switzerland  Work in all phases of engineering from feasibility studies thru commissioning.  Offices in 26 countries  Owners of several licensed technologies	
2	Chairman's Notes	<ul> <li>John Dressel, Fluor         Upcoming Events by John Dressel:         <ul> <li>Fluor hosting next LTUF – May 14</li> <li>PPM Global TUF in Las Vegas, June 2 at the MGM</li> <li>HxGN (Hexagon 2013) being held in Las Vegas, June 3-6 at the MGM</li> </ul> </li> <li>There will be hands on and instructor lead training on the new user interface.</li> <li>Minutes from prior meeting were approved.</li> <li>Introductions were done.</li> <li>Personnel from Foster Wheeler, Intergraph, Air Liquide, AMEC, CB&amp;I, Fluor, Worley Parsons, Shell, Mustang, Emerson, Dow, Autobahn, OSI, Honeywell, KBR, S&amp;C, S&amp;B</li> <li>Remote personnel from Bayer, Lubrisol, Cameron LNG, Jacobs, Chevron, Dow Chemical Cosign Tech, Field Power, Exxon-Mobil, India</li> </ul> <li>Officers elected:         <ul> <li>John Dressel – LTUF Chair</li> <li>Gene Haney – LTUF Vice-Chair</li> <li>Betty Alexander – LTUF Secretary</li> </ul> </li>	
3	Presentation	Review of SPI 2009 SP4 by Guy Masin  Review of Publish & Retrieve enhancements  Batch Document Publish enhanced  Ability to use SPI's internal revisions  To-Do List Enhancements:  Removed redundancy of conflicting tasks  Mark for Deletion (MFD) symbols review  Batch Loop Duplication functionality enhanced  Ability to compare to earlier revisions	

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		Find Window can search for Conventional & Bus	
		instruments	
		Batch selection in Spec Data Dictionary  Consolidated Multi Strip report on and drawing.	
		<ul> <li>Consolidated Multi-Strip report on one drawing</li> <li>Additional ability to batch print hook-ups based on flexible</li> </ul>	
		criteria	
		View documents from different units	
		Update ASME pipe standard to ASME B36.10M-2004 &	
		ASME B36.19M-2004	
		Document Binder revision failure results in roll up to	
		previous revision	
		Browser save as (Plant/Area/Unit) – additional field added  (Plant/Area/Unit) – additional field added  (Plant/Area/Unit) – additional field added	
		(Plant/Unit #)	
		Import – ability to create cables using reference cables    December   D	
		<ul> <li>Honeywell DCS bi-directional integration support</li> <li>Able to integrate CHARM configuration</li> </ul>	
		Able to integrate CHARW Configuration	
		SPI 2013 Enhancements:	
		To-Do List	
		Approved Inconsistencies	
		Containment of redundancy or conflicting tasks	
		<ul><li>Inserting the relationship into the object</li><li>Refresh</li></ul>	
		Ability to group tasks per mutual type	
		Functional enhancements:	
		Add separate access rights to Instrument Index	
		support tables	
		<ul> <li>Demo - Support UOM customization</li> </ul>	
		Shipped UOM's are non editable	
		Demo – Adding wiring equipment to wiring report  Ability to display simple constable constable simple to	
		<ul> <li>Ability to display signals separately – similar to generating loops by signal</li> </ul>	
		Supports Oracle 11G	
		Reuse multi-strip reports based on drawing name	
		Demo - Renaming / duplicating tag option no longer	
		requires selecting instrument type	
		Add revision description to delivered instrument index title	
		block – this was requested by TUFs	
		Update orifice calcs ISO-5167-2003 STD  He late the second like the ASME BTO 40.0 TIM 2010.  He late the second like the ASME BTO 40.0 TIM 2010.  He late the second like the ASME BTO 40.0 TIM 2010.  He late the second like the second	
		Update thermowell calcs to ASME PTC 19.3 TW-2010     Make year preferance per Persian	
		<ul><li>Make user preferences per Domain</li><li>Will be released in April</li></ul>	
		vviii be released iii Aprii	
		SPI 2014 Preview:	
		Scheduled for 2014 Q2 release	
		<ul> <li>Lots of demos at Hexagon 2013</li> </ul>	
		Demo – Control Logic Diagram	
		Drag & drop to diagram from Domain Explorer     Apply graphics manually.	
		<ul><li>Apply graphics manually</li><li>Symbol library is currently not built in</li></ul>	
		<ul> <li>Symbol library is currently not built in</li> <li>SmartPlant Query</li> </ul>	
		Users can create any query they need	
		Works across all modules / tables	
		<ul> <li>No limit on number of fields – per Intergraph</li> </ul>	
		<ul> <li>Access rights are configurable</li> </ul>	
		Enhanced EDE Browser	

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		Projects / As Build revamped for improved usability	
4	Presentation	Preview of Hexagon 2013 & Global TUF meeting by Frank Joop  Agenda for TUF still being developed  Looking for speakers, presenters get free admission to convention  Taking suggestions for last session – Roadmap presentation  Being held at MGM in Las Vegas  SmartCloud is a benefit and will be discussed and heavily promoted  Partnering with vendors and clients is very important to Intergraph's future  Intergraph exploring many options for online SPI training including but not limited to WebEx sessions and YouTube videos	
5	Presentation	<ul> <li>SPI Evolution by John Dressel</li> <li>Started as INtools by PID Software in Israel around 1990.</li> <li>In 1998, INtools became the tool of choice in control system engineering.</li> <li>In 1999, Version 4.1 came to America.         <ul> <li>Intergraph acquired PID</li> <li>Intergraph stops support of IDM, which was not a good program</li> <li>Intergraph Global User Group (IGUG) renamed to LTUF</li> </ul> </li> <li>In 2000, Version 5.2 – 1<sup>st</sup> Intergraph version of INtools.         <ul> <li>Intergraph becomes software only company</li> <li>Fluor holds INtools summit over two weeks inviting personnel from around the world helping them to launch the tool globally.</li> </ul> </li> <li>In 2002, Version 5.3         <ul> <li>DDP introduced</li> <li>Ability to print specification notes on separate sheet</li> <li>SPEL interface</li> </ul> </li> </ul>	
		<ul> <li>SPID interface</li> <li>Enhanced SmartLoop</li> <li>In 2003, Version 5.4</li> <li>Dresser interface for relief valves</li> <li>ABB DCS interface</li> <li>Enhanced Owner/Operator as built capability</li> <li>LTUF site goes online</li> <li>LTUF specification sheet committee formed</li> </ul>	
		In 2004, Version 6.0  Tag class added to tag properties Integration of Index browser and Browser Module Process Module – multiple process data cases Redesigned GUI SPG Integration External Editor  In 2005, Version 7.0 Renamed to SmartPlant Instrumentation (SPI) Domain & Reference Explorers added	

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		<ul> <li>Symbol Editor for ESL</li> <li>Yokogawa CENTUM interface</li> <li>Naming conventions</li> <li>Disable of SmartLoop</li> <li>In 2006, Version 2007</li> <li>Rule Manager Utility</li> <li>Naming convention for CS Tags</li> <li>Cable block diagram</li> <li>Flexible naming convention for all naming standards</li> <li>Yokogawa interface</li> <li>Virtual tags in Domain Explorer</li> <li>SPI V.7 &amp; 2007 were meant to carry the users over until 2009</li> <li>In 2009, Version 2009</li> <li>New User Interface</li> <li>Better upgrade utility</li> <li>Removal of network installation</li> <li>Improved deletion of loops &amp; tags</li> <li>Template batch creation for loops &amp; tags</li> <li>Cable export to SPEL</li> <li>MTL SPI symbol library for Foundation Fieldbus</li> <li>Beyond 2013:</li> <li>SPF TEF (The Engineering Framework) adaptors to interface ECP or Owner/Operator applications into sharebase</li> <li>Interfaces to vendors/companies being added</li> <li>Cloud is coming</li> </ul>	
6	Presentation	<ol> <li>SPI Deployment Options by Eric Diers of Worley Parsons:         <ol> <li>Manual Install – Deployment time is 45-60 minutes. Time consuming. Procedure for install required. Tailored to operating system, SPs, Hot Fixes, etc.</li> <li>Citrix (Thin Client) – Deployment time is 5 minutes. User logs in to published application online.</li> <li>Terminal Server (Thin Client) – Deployment time is 5 minutes. Like Citrix, but not desirable to have remote server.</li> <li>Distributable computer image – Deployment time is 30 minutes. Can be done by IT, but has no flexibility.</li> <li>Installation Package – Deployment time is 20 minutes. Record manual install to batch packages so same setup is duplicated every time.</li> </ol> </li> <li>Deploying SPI is situational. Your parameters should dictate your deployment choice.         <ol> <li>Upgrades:</li></ol></li></ol>	

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		<ol> <li>Terminal Server – Individual server per version.</li> <li>Distributable computer image – Multiple image management.</li> <li>Installation Package – One package per version.</li> <li>SPI to CAD Applications:         <ol> <li>Manual Install – Directly loaded and licensed per machine.</li> <li>Citrix – No install per user / indirect licensing.</li> <li>Terminal Server – No install per user / indirect licensing.</li> <li>Distributable computer image – Directly loaded and licensed per machine.</li> <li>Installation Package – Directly loaded and licensed per machine.</li> </ol> </li> <li>Remote WAN / Internet Client:         <ol> <li>Manual Install – Insufficient.</li> <li>Citrix – Requires network bandwidth &amp; business class latency.</li> <li>Terminal Server – Requires network bandwidth &amp; business class latency.</li> <li>Distributable computer image – Insufficient.</li> <li>Installation Package – Insufficient.</li> </ol> </li> </ol>	
7	Forum Topics	<ul> <li>CR Ranking website – use it. Lots of CRs have been loaded in the last two months.</li> <li>SPI Integration works and is a time saver, but it does take significant time to get it up and running though.</li> <li>Now is the time to request new functionalities or changes to existing functionalities for the tool as it is being rewritten.</li> </ul>	
8	Close	<ul> <li>Fluor is hosting the next LTUF on May 14.</li> <li>Hosts needed for Aug 13 &amp; Nov 12 LTUF meetings</li> <li>Thanks again to Foster Wheeler.</li> <li>John Dressel closed meeting</li> </ul>	