





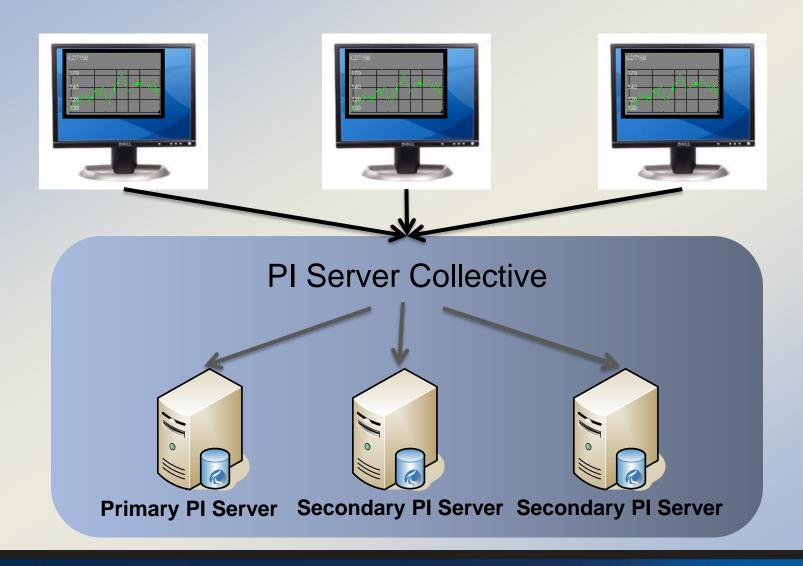
PI Client Road Map

Regional Seminar Series
Kansas City
2008



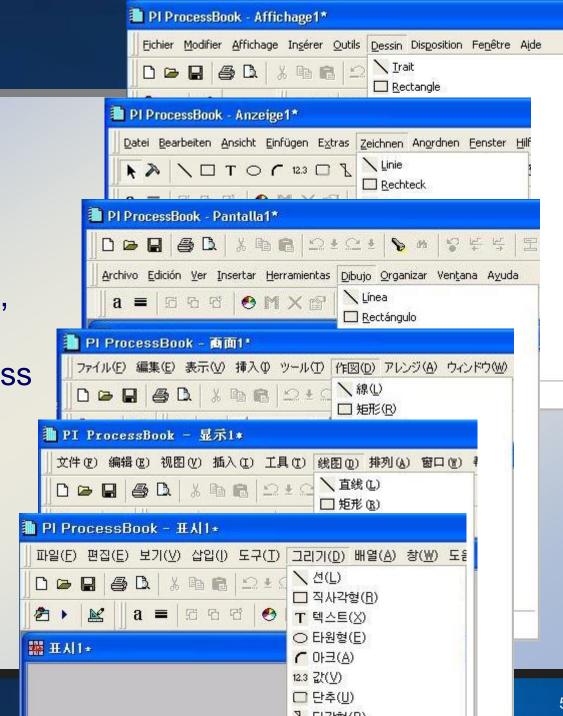
Pl ProcessBook

High Availability Provided with PR1



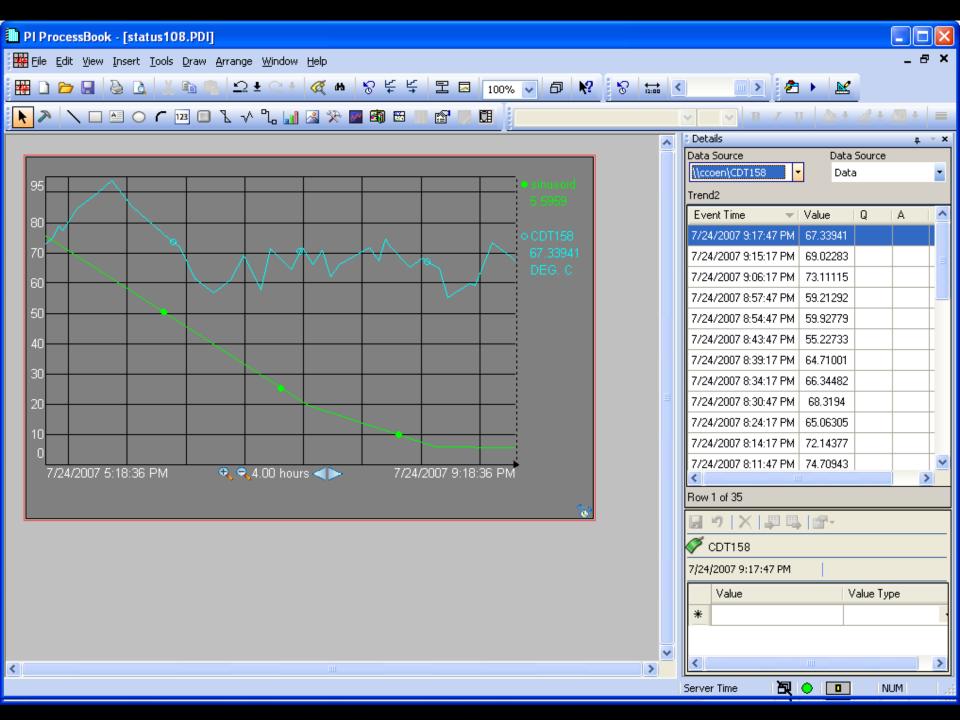
Localization

- ProcessBook and ActiveView
 - English, French,
 German, Spanish,
 Simplified Chinese,
 Japanese
 - Korean in progress
- BatchView
 - Japanese



New User Interface

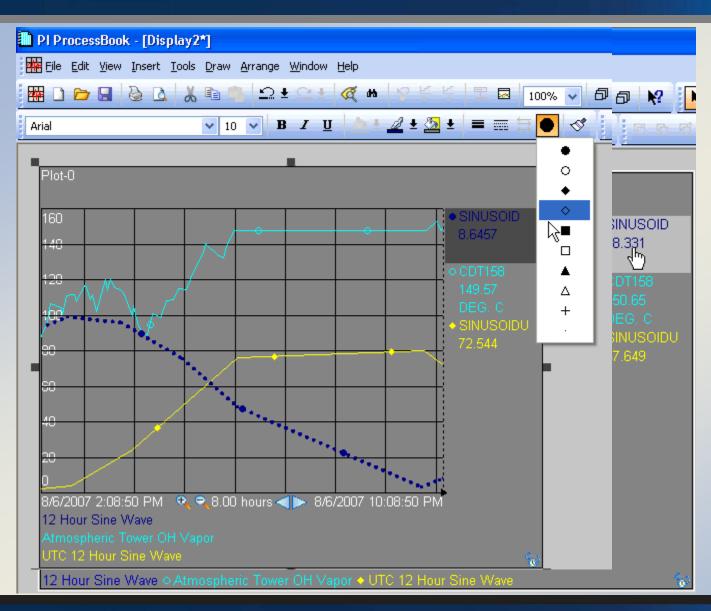
Processbook 3.1



SIG Requests Addressed

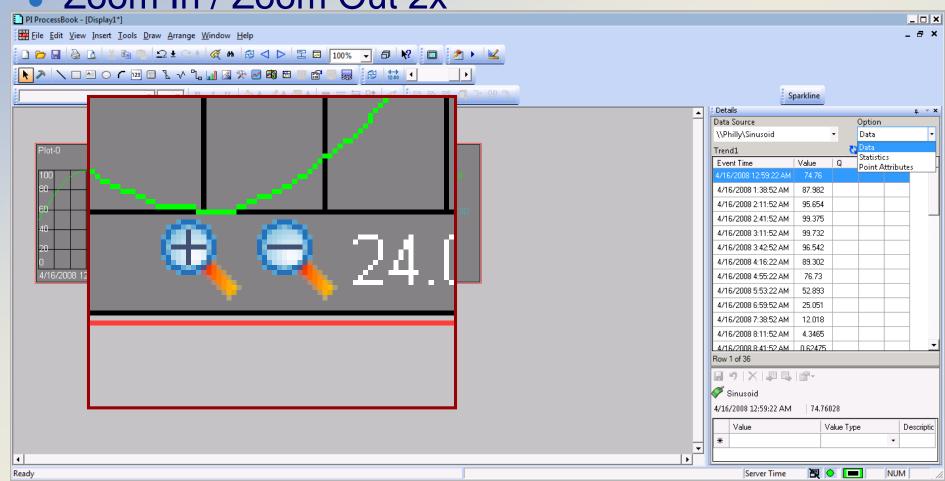
- Easy formatting
- Quick Zoom & Pan
- Details Pane
- Linear regression line
- Tooltip statistics
- Vertical trend
- Annotations

Easy Toolbar Formatting



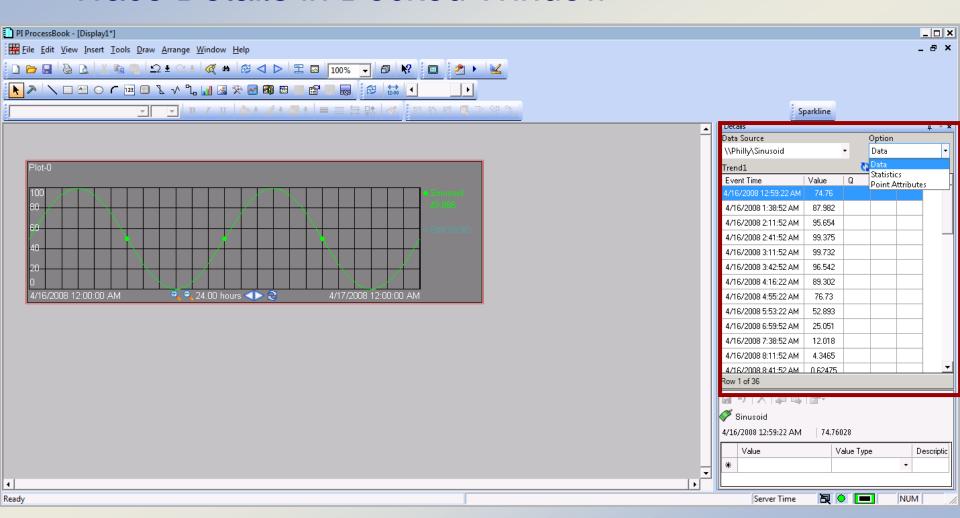
Pre-defined buttons to zoom x2 and back

- This is a new feature of Processbook 3.1
- Zoom In / Zoom Out 2x



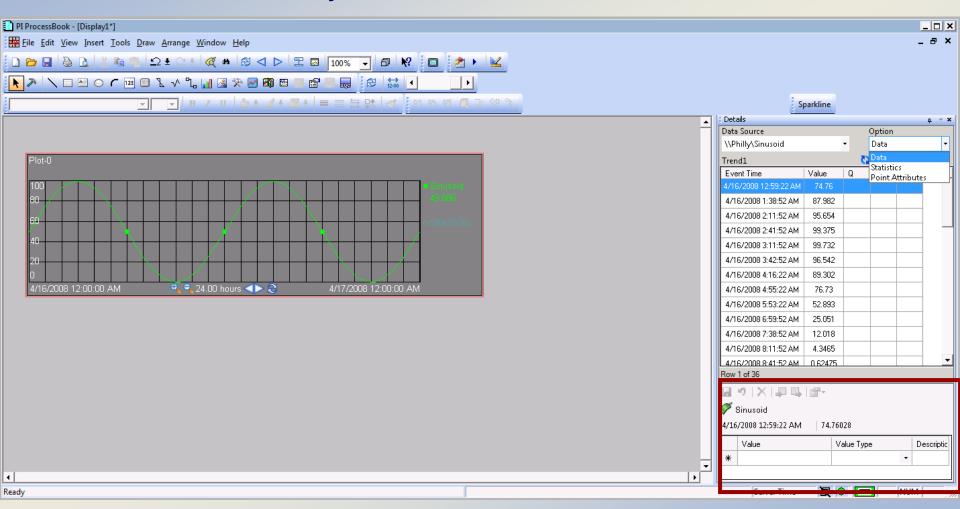
Processbook 3.1

Trace Details in Docked Window



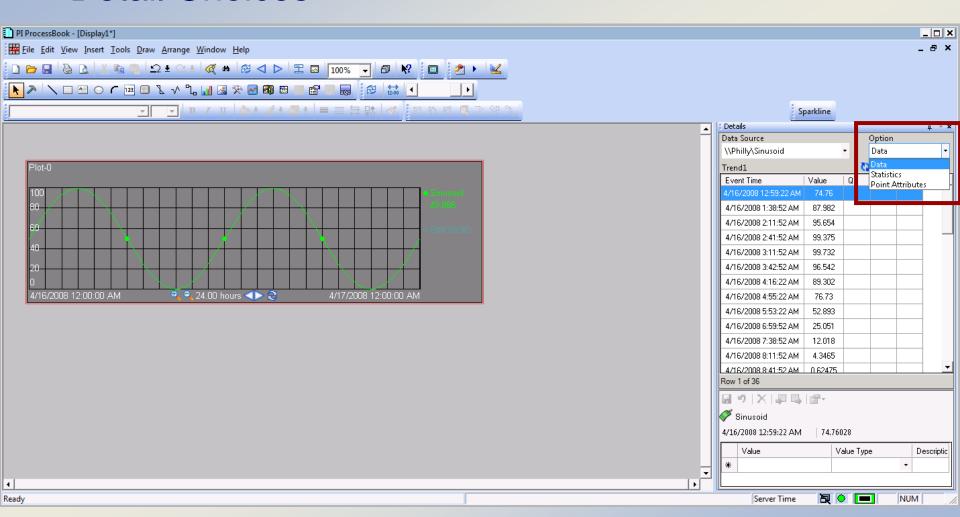
Processbook 3.1

Annotation Entry

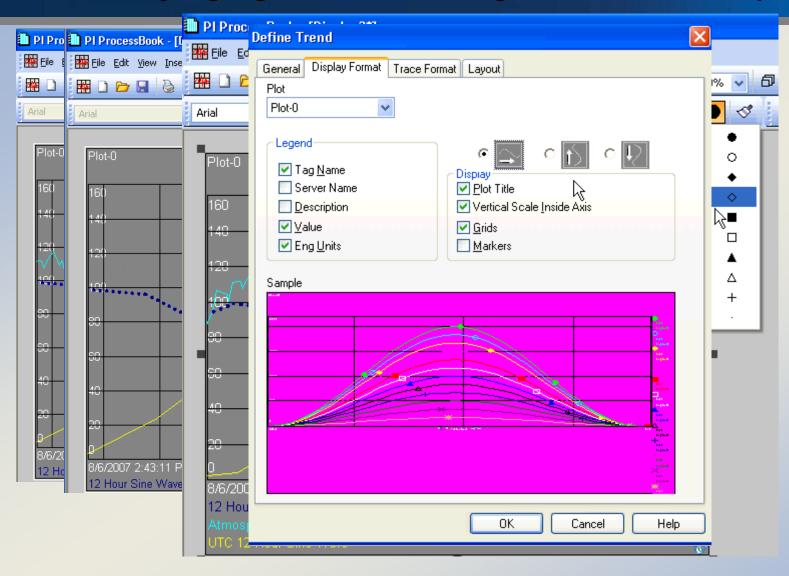


Processbook 3.1

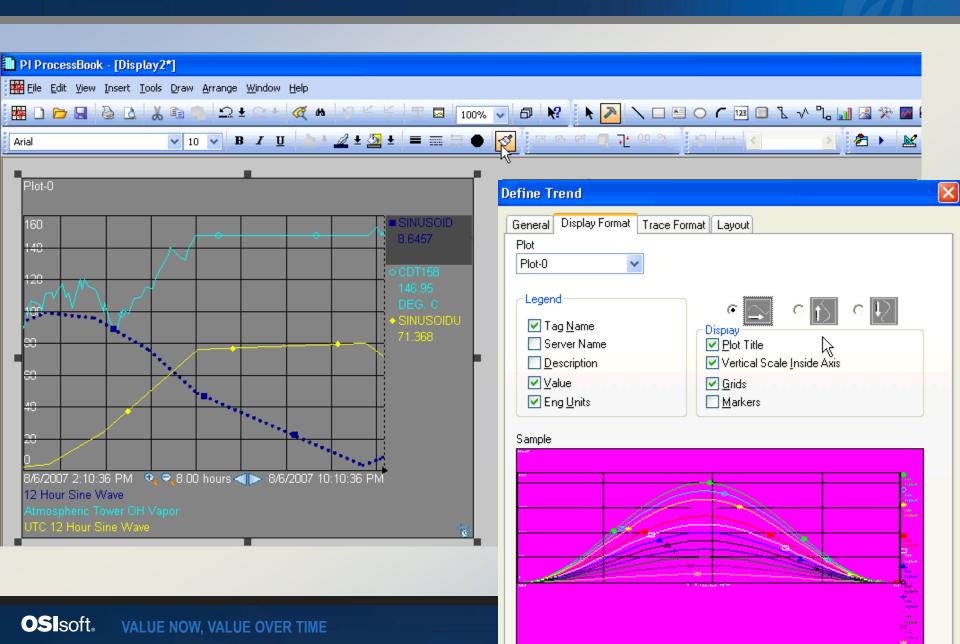
Detail Choices



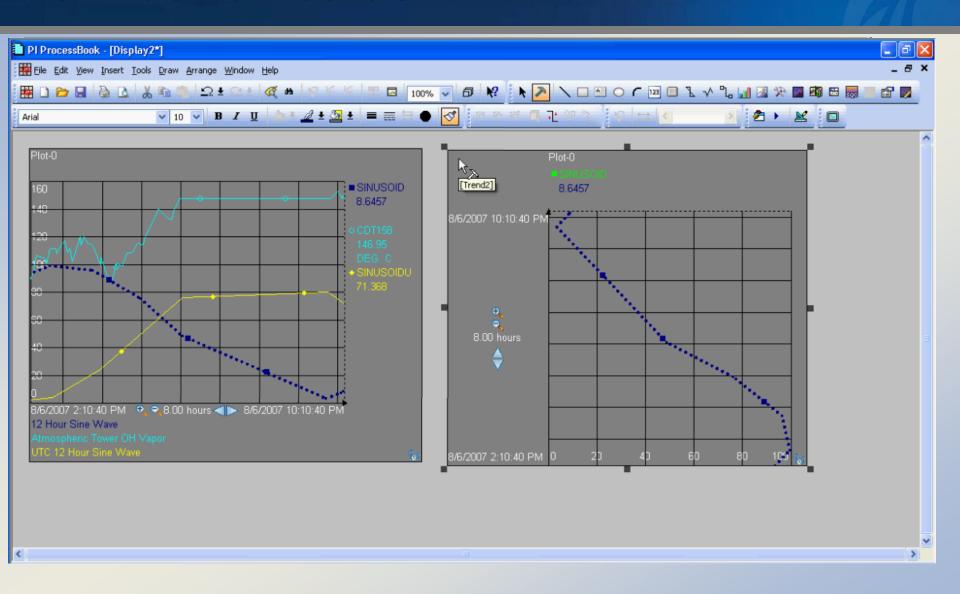
Interactively highlight / show/hide single trend in trend display



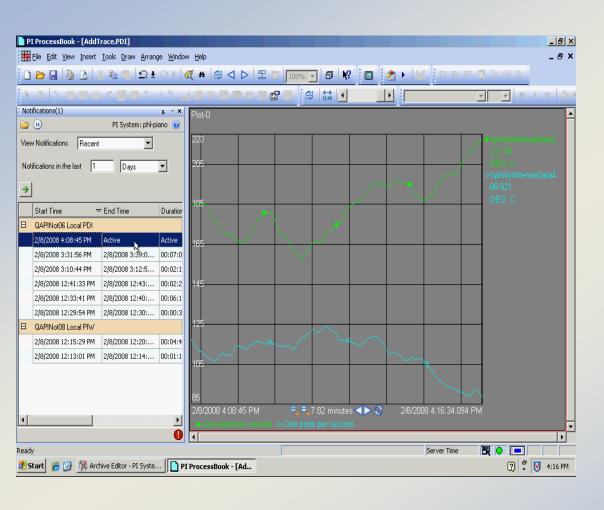
New trend types



Format Paintbrush



PI Notifications



- ProcessBook display as content
- ProcessBook display linked as content
- Instant trend
- Pass time context to display

Future

- Windows security integration
- ProcessBook 3.2 (PR2)
 - Next round of localized releases
 - AF 2.0 integration
 - More UI improvements
 - More new symbols
- ActiveView 3.2 Docked windows support

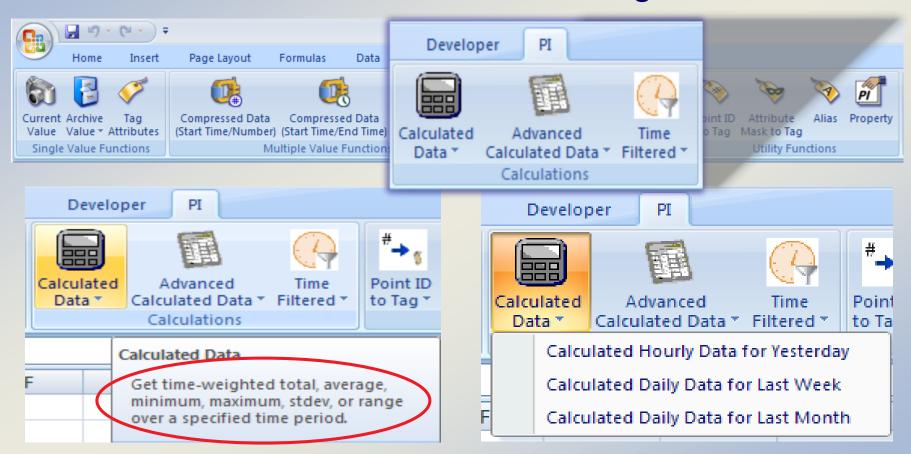
DataLink for Excel 2007

Benefits of DataLink + Excel 2007

- Provides a new DataLink user experience
- Supports the current DataLink user experience
- Allows DataLink spreadsheets on the Web
- Includes new data formatting features
- Increased limits for larger spreadsheets
 - More data on a spreadsheet with 1M rows by 16K cols
- Improved performance
 - Faster, multithreaded Excel calculation engine

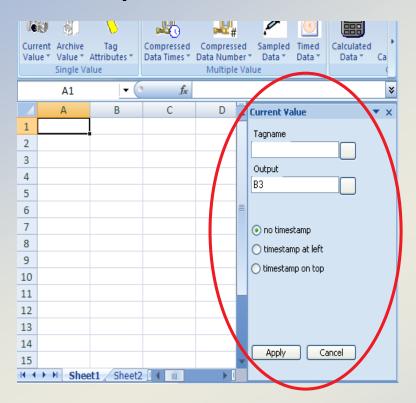
New DataLink UI in Excel 2007

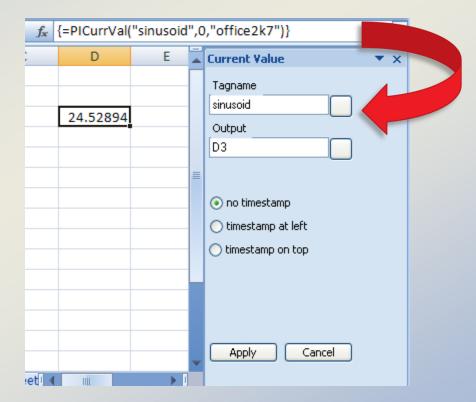
Ribbon makes it easier to find the right function



New DataLink UI in Excel 2007

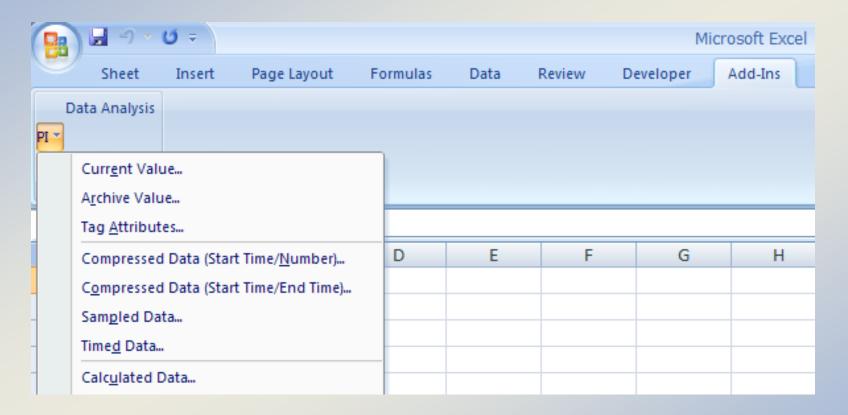
Task pane makes it easier to modify a function





Current DataLink in Excel 2007

DataLink 3.x is available from the Add-Ins tab



DataLink – Platform Release 1

- Support for Windows Vista
- Localized in several languages
 - French
 - German
 - Japanese
 - Korean (Planned for Q4 2007)
 - Simplified Chinese
 - Spanish

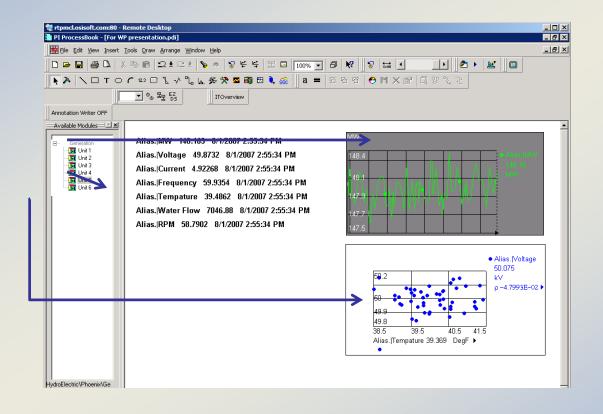
DataLink – Platform Release 2

Part 1

- Support for Excel 2007
 - RibbonX and Custom Task Pane user interface
 - Larger spreadsheets and better performance
- Includes PI Notification add-in
 - Search, display, and acknowledge MyPI notifications
- Part 2
 - Leverage AF 2.0 (Data Directory)

RtWebParts

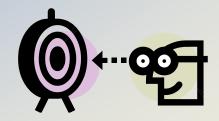
What are Web Parts?



Types of RtWebParts

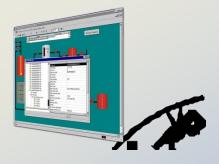
Set Context

Display Data



Leverage Proces



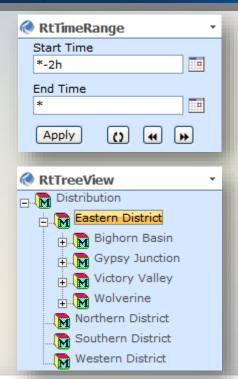


Setting Context

RtTimeRange

RtTreeView

RtTable



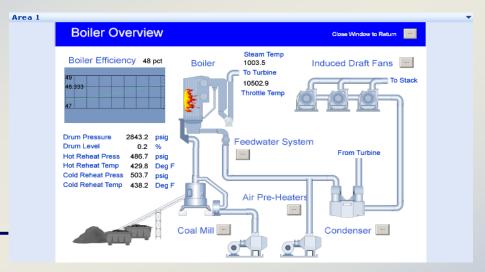


Displaying Data

- RtTrend
- RtGauge
- RtXYPlot
- RtMessenger
- RtValues
- RtTimeSeries
- RtTable

Leveraging ProcessBook

- RtGraphic
 - SVG-Based
 - Lightweight
- RtActiveView
 - Supports PDIs
 - Requires ActiveView L

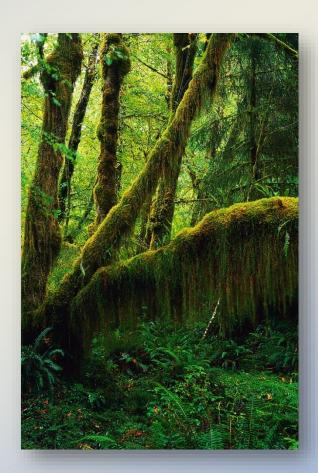


What's new in RtWebParts v1.2?

- Released January 10, 2007
 - High Availability
 - Expensive Query Handling
 - Complex Web Service Support
 - RtGraphic Support for Multistate Symbols
 - Japanese Language Pack

What's new in RtWebParts v2.0?

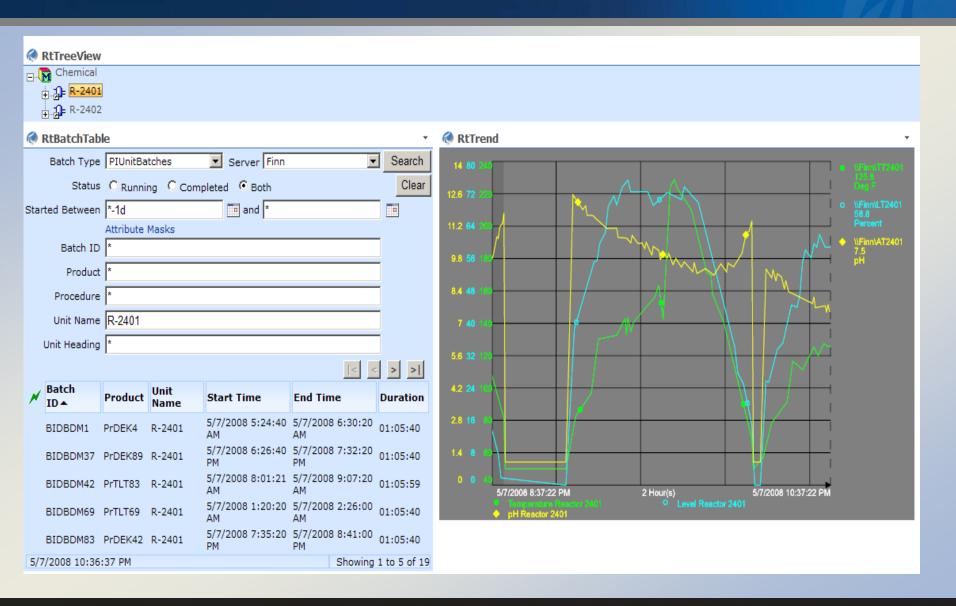
- Released June 21, 2007
- MOSS!
 - Workflow
 - Content Management
 - Excel Web Access Web Part
- New Ad hoc Trend (URL-Configurable)



What's new in RtWebParts v2.1?

- Released April 8, 2008
- RtBatchTable Web Part
 - Search
 - Can Receive Context
 - Provides Context
- RtTable Advanced Configuration
 - Extended Conditional Formatting
- Individual Web Part Printing

Batch Table Web Part



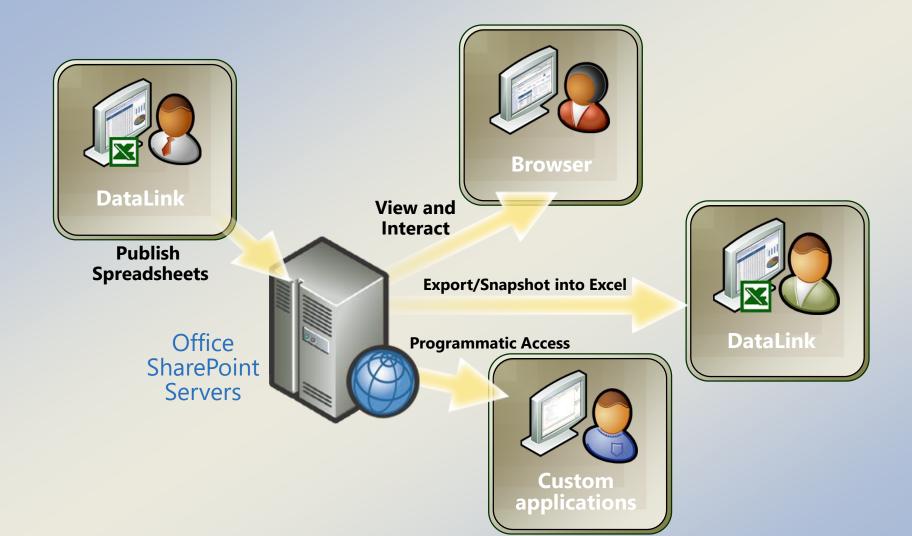
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What's next?

- RtWebParts v2.2
 - AF 2.0
 - PI Notifications
 - Silverlight
 - Language Packs

DataLink for Excel Services

Workflow with Excel Services



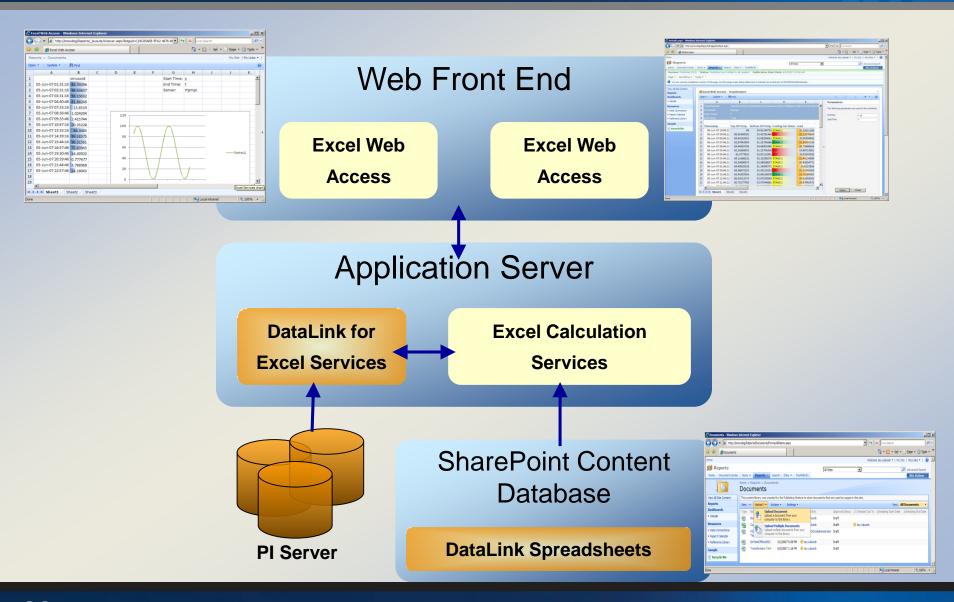
Value of DLES + Excel Services

- Shows "one version of the truth"
 - Simplify collaboration around spreadsheets
- Provides enterprise content management
 - Make spreadsheets accessible and manageable
- Enables business intelligence in real-time
 - Improve business insight into PI data on demand

DLES is DataLink on the Web

- Only requirement is a Web browser
 - No DataLink needed on Client PC
 - Excel 2007 is not required anywhere
- Enter parameters and recalculate PI data
 - Allow dynamic spreadsheets, but keep them secure
- Create dashboards with RtWebParts
 - Display graphical, interactive pages using context
 - DLES is available with an active RtWebParts license

DLES – Architecture



DLES – System Requirements

Server

- Windows Server 2003
- Office SharePoint Server 2007
 - Enterprise edition only
- SQL Server
 - 2005, Express, or 2000
- PI Server 3.3 or higher

Excel Client

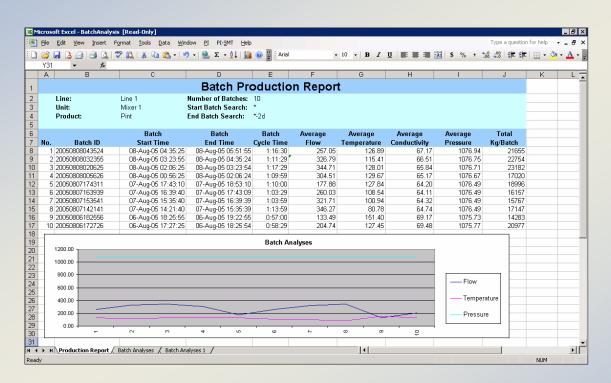
- Excel 2007, or
 Excel 2003/XP/2000 with free
 Office 2007 Compatibility Pack
- DataLink Add-In, or BatchView Add-In

Web Client

- Internet Explorer 6 or 7, or other standard Web browser
- [Optional] Excel 2007, or
 Excel 2003/XP/2000 with free
 Office 2007 Compatibility Pack

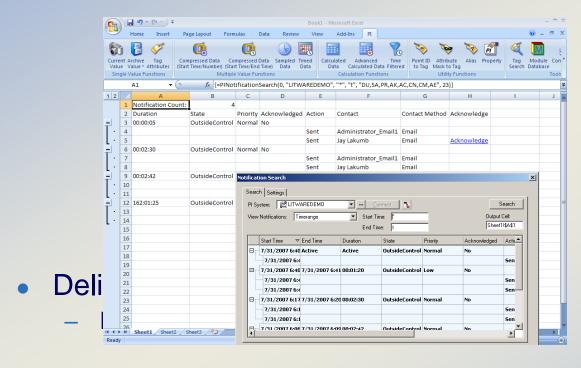
DLES – Initial Release

- Support for DataLink functions
- Support for BatchView functions



DLES – Platform Release 2

- Delivery 1
 - Support for PI Notifications



And now

A word from our partner

Visual KPI 3.0 Architecture





Any Historian

- Real-time Data
- Meta Data
- Equations

Any RDB

- Existing Data
- External KPIs

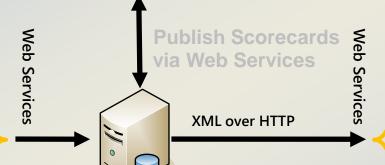
Any LOB App

- Link to financials
- Planned values
- SAP, MRO, etc.



Visual KPI Excel Editor

- Excel 2003 or Excel 2007 with VSTO
- Configuration only, no runtime association or storage



Visual KPI Server

- Composite KPI Engine
- All meta data in SQL 2005
- Windows Server 2003
- ASP 2.0 Web Site

Any Mobile or Desktop Client



Visual KPI



Web-based Operations Intelligence Software

- Leverage data from existing applications
 - Real-time & transactional systems
- Access anywhere
 - Use any desktop, laptop, mobile device (250+
- Composite KPIs and scorecards with no additional programming
- Mobilizes "one version of the truth"
- Delivers information in context
 - On-demand or by notification
- Speeds response to critical events
- Fast deployment and value



100's of Data Sources

Value Generated at Western Power Over \$10 million/year

- KPI Categories Implemented
 - System Demand Management
 - Mobile Workforce Enablement
 - Customer Reliability Tracking
- Roles Affected
 - Executives: CAIDI, SAIDI, SAIFI
 - Watch Supervisors: # cust off supply, # active alerts
 - Maintenance Managers: top 10 longest outages
 - Protection Engineers: 40 worst feeders
 - Asset Managers