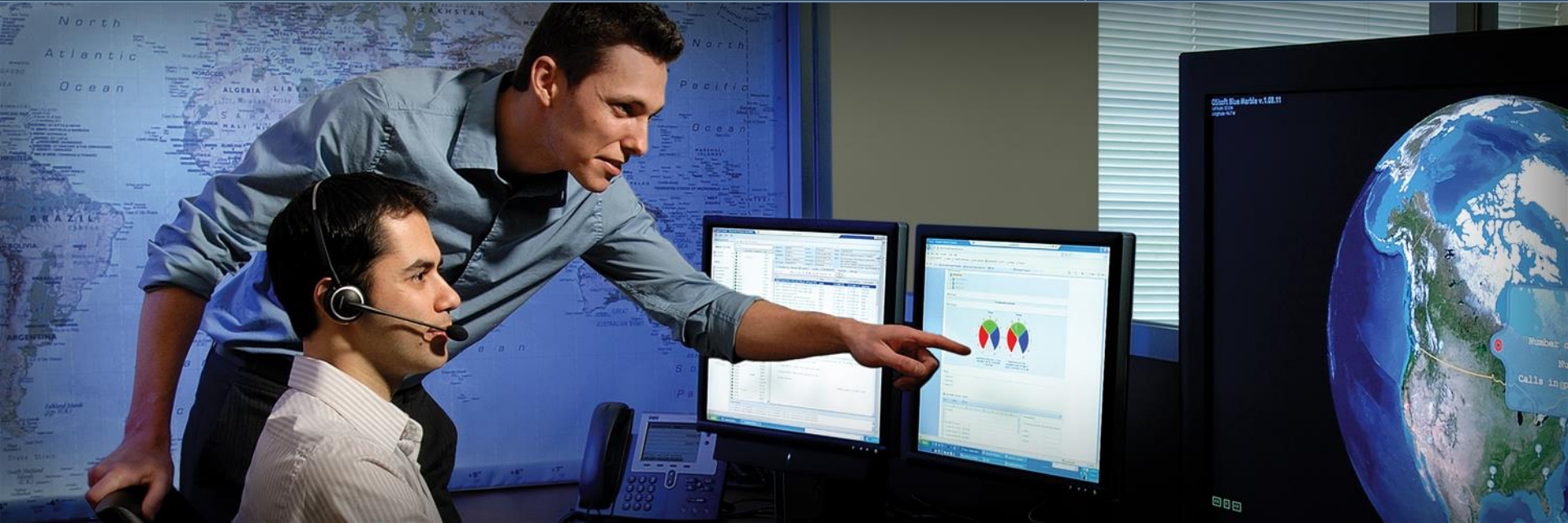




Regional Seminar Series Benelux



PI System Roadmap

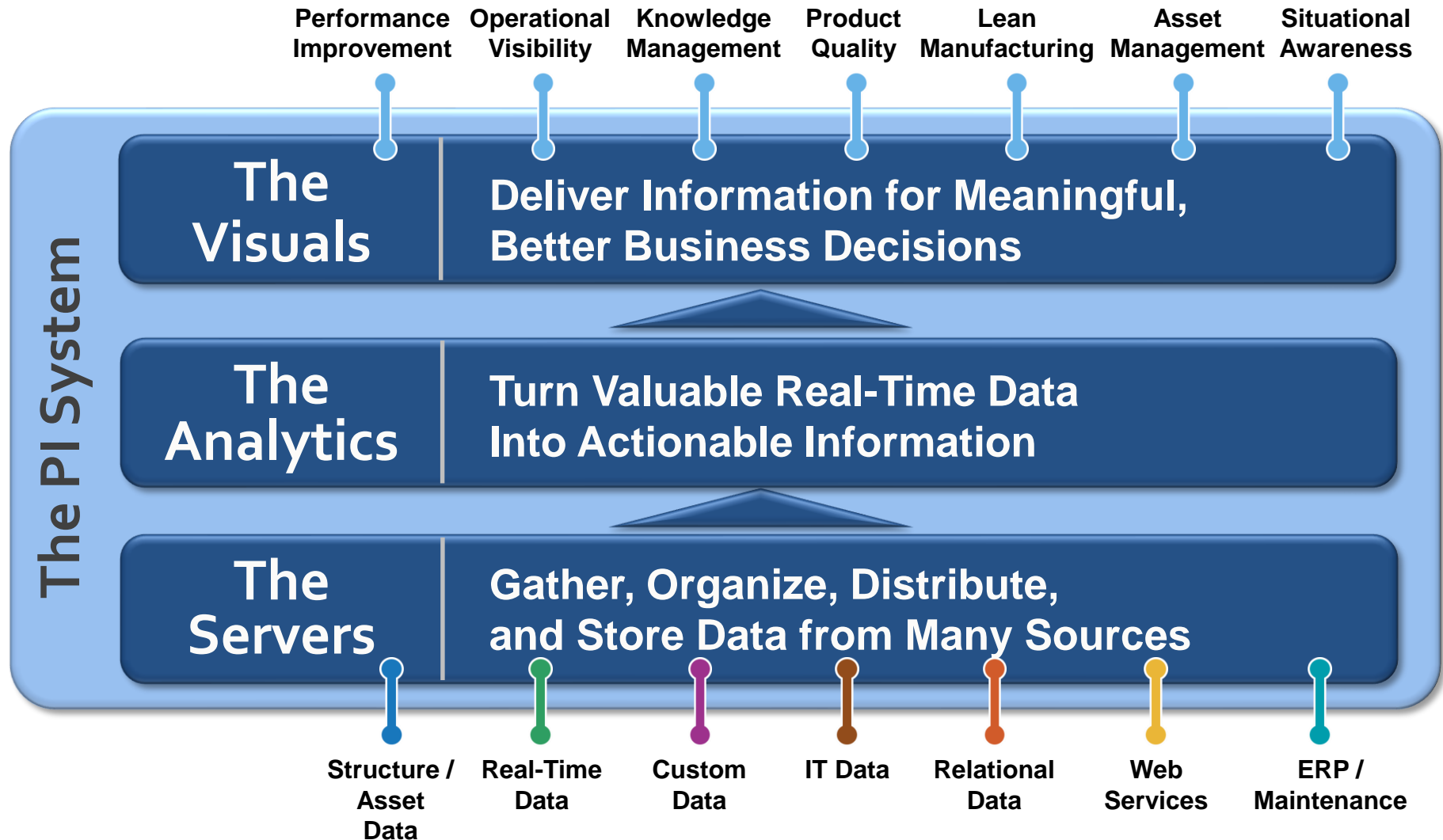
John Baier
Director, Product Management
OSIsoft, LLC

January 28, 2010

Empowering Business in Real Time.

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Functional Groups of The PI System



Aspects of The PI System



Cross Functional Aspects of the PI System

Scalable

Available

Reliable

Extensible

Secure

Interoperable

**The
Visuals**

**Deliver Information for Meaningful,
Better Business Decisions**

**The
Analytics**

**Turn Valuable Real-Time Data
Into Actionable Information**

**The
Servers**

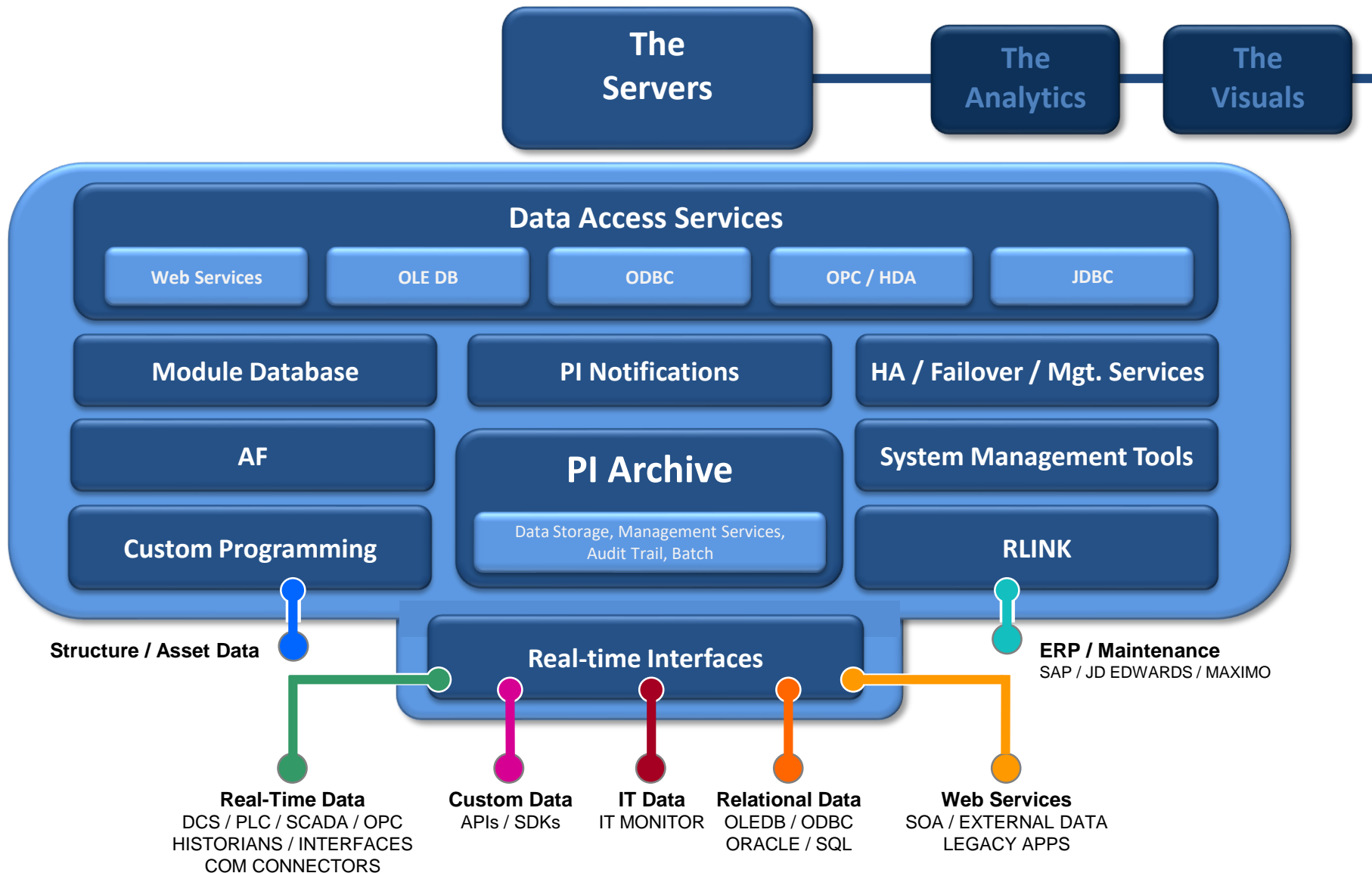
**Gather, Organize, Distribute,
and Store Data from Many Sources**

- 2009
 - Security
 - High Availability
 - Scalability
 - 64-bit Support
- 2010
 - Single Data Directory Model - AF
 - Office 2010 Integration
 - Enhanced Analytics

The Servers



The PI Servers



3 concurrent releases for 3 themes

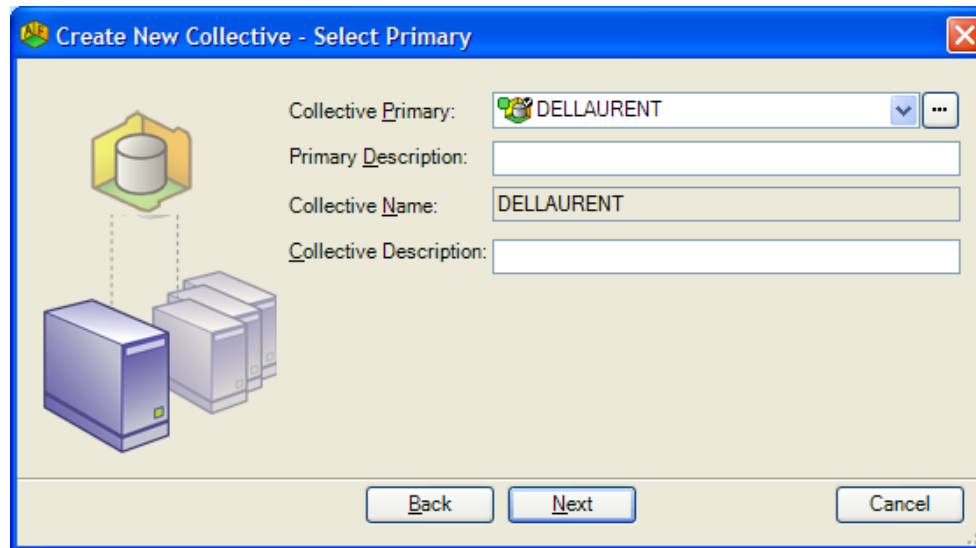


- Releases
 - PI Server 3.4.380 with Windows Integrated Security
 - Released September 21, 2009
 - PI AF 2.1
 - Released September 1, 2009
 - PI Notifications 1.1
 - Released September 30, 2009
- Integration with Windows Security
- High Availability
- More Scalability and Manageability

- PI AF 2.x uses Windows Security since the first release
- The PI Server can leverage Windows authentication mechanism
- PI Notifications leverages both PI AF and the PI Server security



- The PI Server has been HA for 3 years
 - Released in Q1 2007
- PI Notifications has been HA since the first release
 - Released in Q1 2008
- PI AF 2.1 is now Highly Available



- Better performance, scalability and throughput for the PI Server, PI AF and PI Notifications
- Support for 64bits
 - Native support for the PI Server and PI AF
 - PI Notifications tested as a 32bits running on 64bits
- New PI SMT 3 plug-ins to manage the new security model
- Improved manageability for PI Notifications leveraging PI AF Notifications templates



PI Server 3.4.380 WIS



Technical Overview and Value proposition

- True Single Sign-On (SSO)
- Easier to Manage
 - User Accounts in Windows/AD Only
 - Leverage AD Tools and Security Policies
- Upgrade Experience
 - Backward Compatibility
 - Simply Requires PI SDK 1.3.6



- More Secure
 - SSPI*-based Kerberos or NTLM**
 - Server-Side Authentication Control
 - No More Default User
- More Flexible
 - Unlimited Access Control Lists (ACLs)

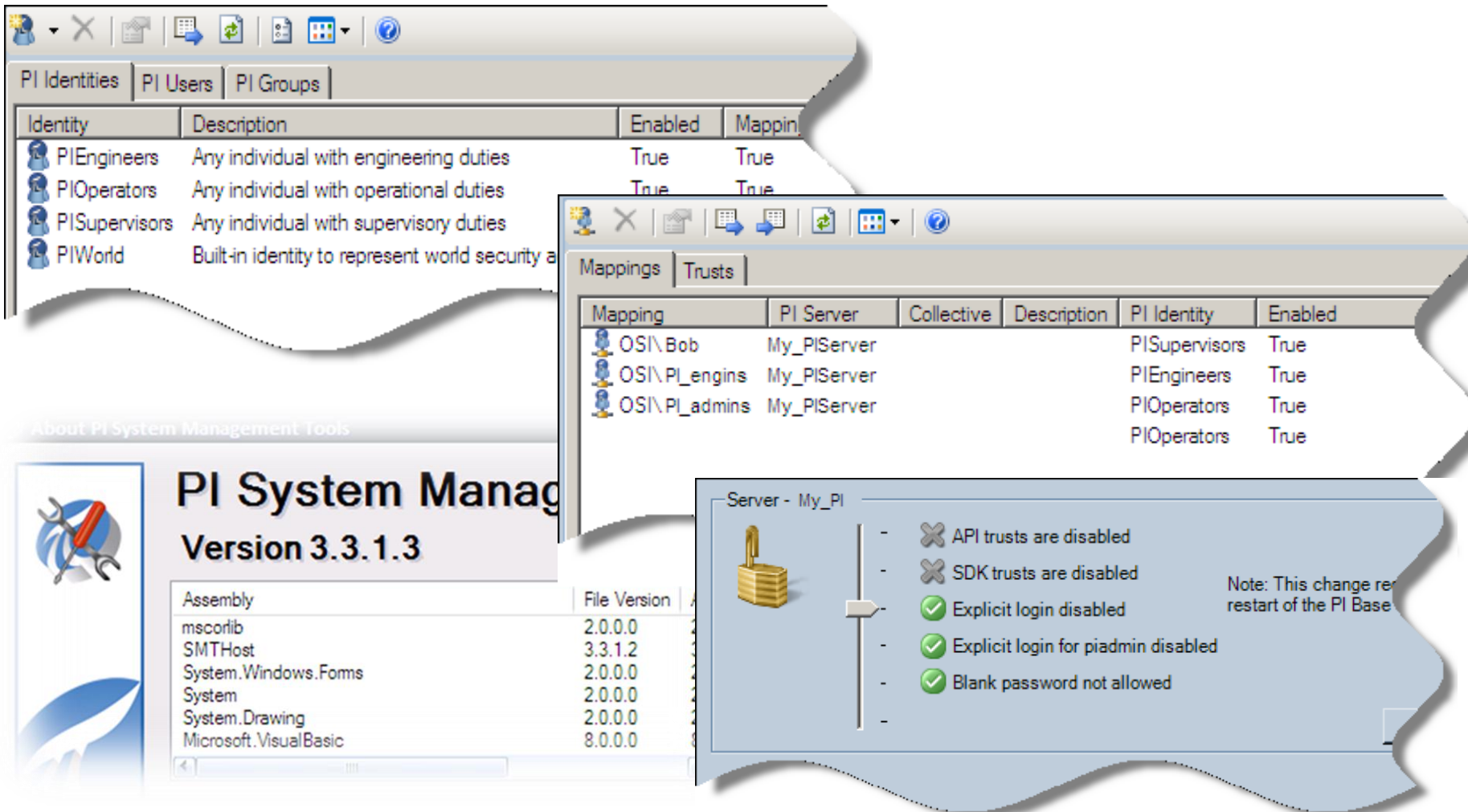


Point	Point Security	Data Security
SINUSOID	Asia-Pacific: A(r) Antarctica: A(r,w) Americas: A(r) Europe: A(r)	Green: A(r)

*Security Support Provider Interface

** NT LAN Manager

Improved System Management Tools (PI SMT 3.3)



The screenshot displays the PI System Management Tools (PI SMT 3.3) interface. The main window shows the 'PI Identities' tab with a list of identities and their descriptions. Below this, the 'About PI System Management Tools' section displays the version 'Version 3.3.1.3' and a table of assembly file versions.

Identity	Description	Enabled	Mapping
PIEngineers	Any individual with engineering duties	True	True
PIOperators	Any individual with operational duties	True	True
PISupervisors	Any individual with supervisory duties		
PIWorld	Built-in identity to represent world security		

The 'Mappings' tab is also visible, showing a list of mappings for the 'My_PIServer'.

Mapping	PI Server	Collective	Description	PI Identity	Enabled
OSI\Bob	My_PIServer			PISupervisors	True
OSI\PI_engins	My_PIServer			PIEngineers	True
OSI\PI_admins	My_PIServer			PIOperators	True
				PIOperators	True

The 'Server - My_PI' configuration window is open, showing a list of settings with checkboxes. The settings are:

- ☒ API trusts are disabled
- ☒ SDK trusts are disabled
- ☒ Explicit login disabled
- ☒ Explicit login for piadmin disabled
- ☒ Blank password not allowed

Note: This change requires a restart of the PI Base.

New with the PI Server 3.4.380 Release



The screenshot displays the 'sinusoid - Point Builder - PI System Management Tools' application. The left sidebar shows a tree view with 'Collectives and Servers' and 'System Management Tools'. The 'System Management Tools' section is expanded, showing 'Point Security' as the active tool. The main window shows the 'Point Security' configuration for server 'LG380'. A callout box highlights the security settings: `piadmin: A(r,w) | piadmins: A(r,w) | PIOperators: A(r) | PIEngineers: A(r) | PIWorld: A(r)`. Below this, the 'Point Security' tab is active, showing a list of users and groups: 'piadmin', 'piadmins', 'PIOperators', and 'PIWorld'. The 'Permissions for piadmin' section shows 'Read' and 'Write' permissions set to 'Allow'. A 'Select' dialog box is open, showing a list of users and groups from server 'LG380'. The 'Type' is set to 'All'. The list includes: 'piadmin' (The administrative PI User with unrestricted access), 'piadmins' (The administrative PI Group formerly named "piadmin"), 'pidemo' (The generic PI User), 'PIEngineers' (Any individual with engineering duties), 'PIOperators' (Any individual with operational duties), 'PISupervisors' (Any individual with supervisory duties), and 'piusers' (The generic PI Group formerly named "piuser"). The 'PIOperators' user is selected.

Select

Select from server LG380

Type: All

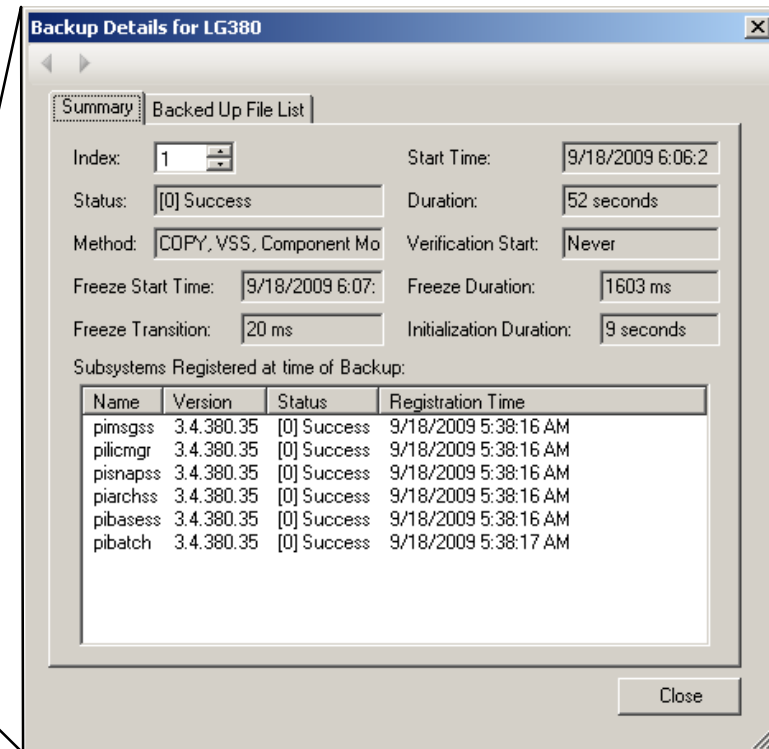
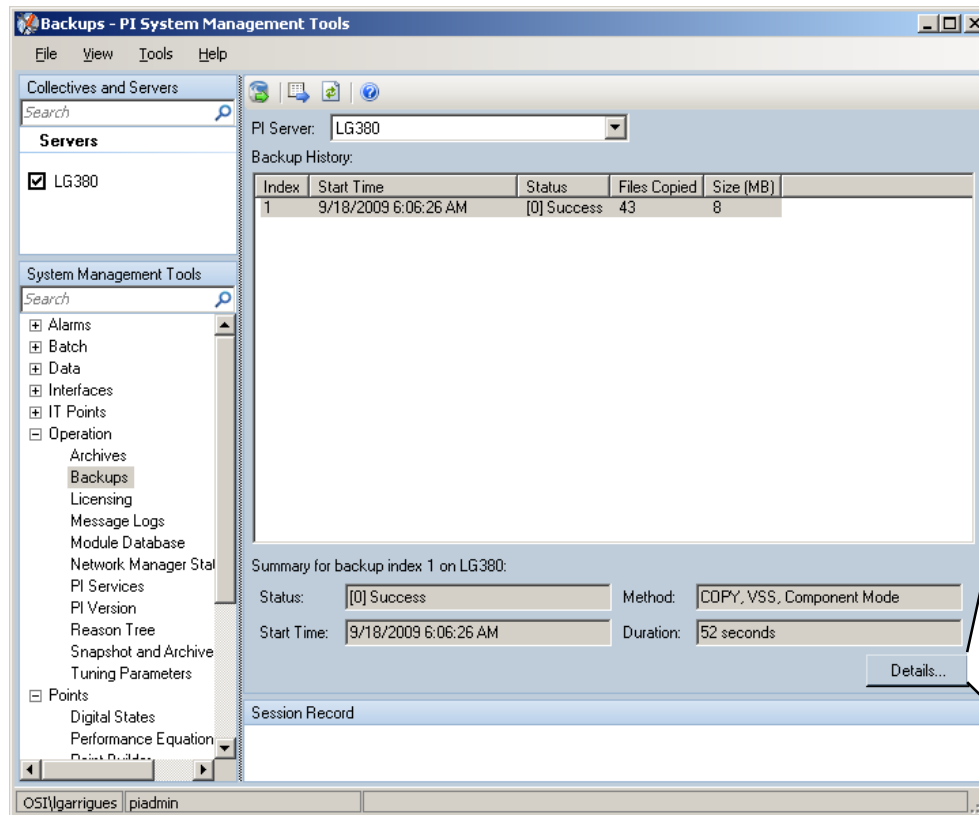
Name	Description
piadmin	The administrative PI User with unrestricted access
piadmins	The administrative PI Group formerly named "piadmin"
pidemo	The generic PI User
PIEngineers	Any individual with engineering duties
PIOperators	Any individual with operational duties
PISupervisors	Any individual with supervisory duties
piusers	The generic PI Group formerly named "piuser"

Add

OK Cancel

PI Backups

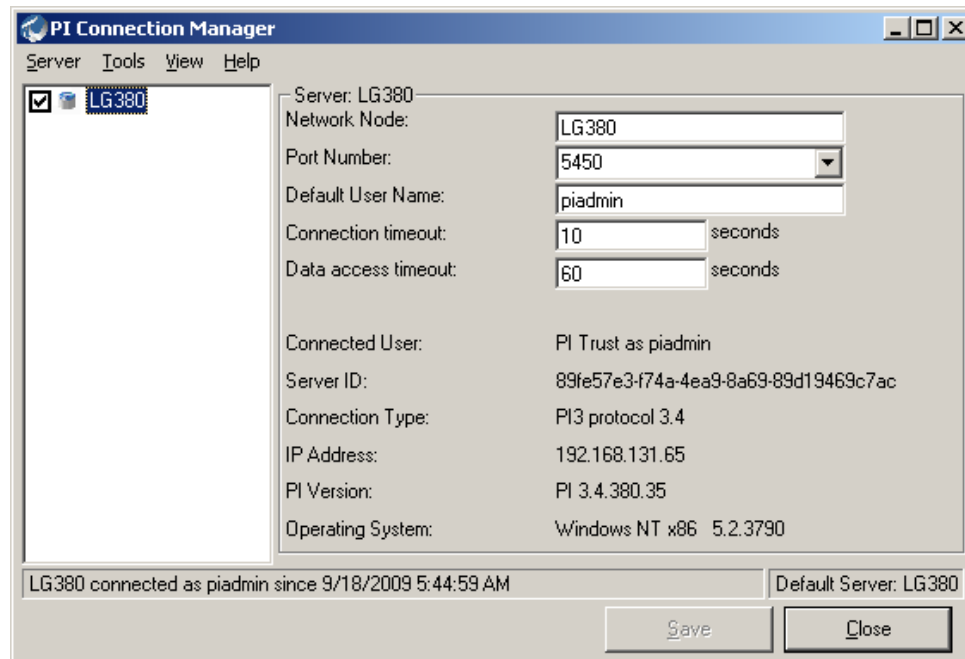
- Added support for incremental backups, verified backups, and a full backup history



Clients apps and the 3.4.380 release



- Clients apps only need to upgrade the PI SDK 1.3.6 (released in Q3 2008) to take advantage of the new Security Model
- Most clients, like PI ProcessBook 3.x and PI Datalink 4.x are already shipping with the PI SDK 1.3.6



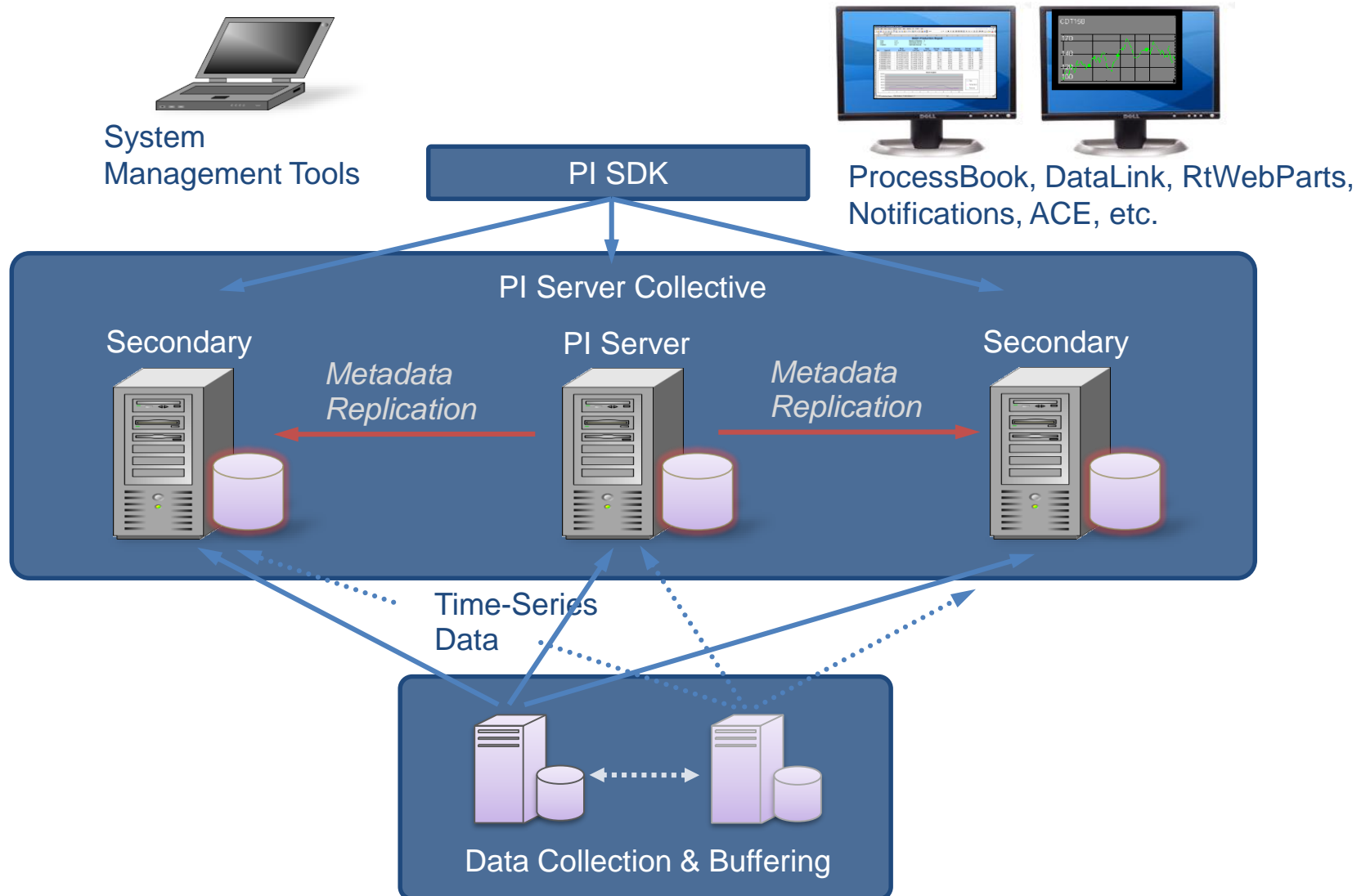
PI AF 2.1



Technical Overview and Value proposition

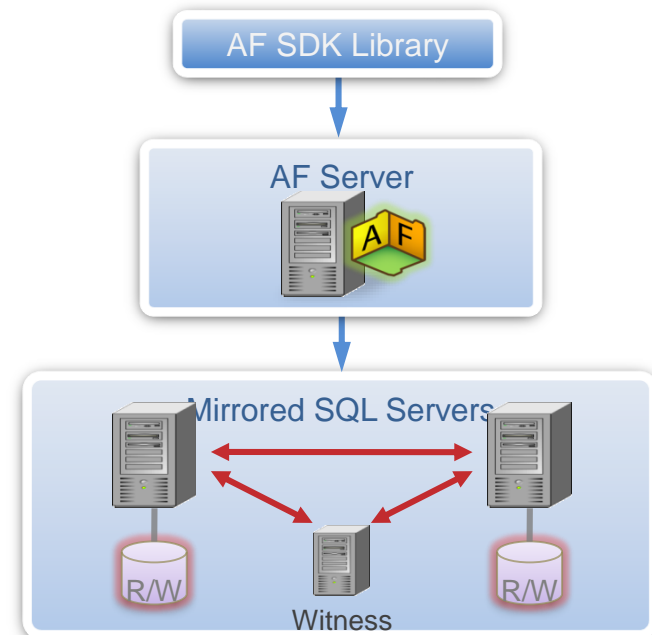
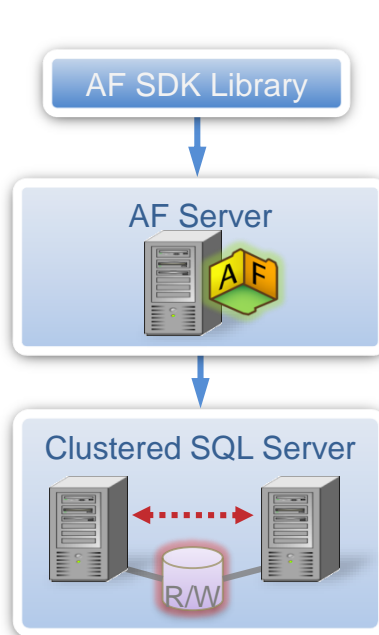
- Network Failure
- Administrative/User Failure
- Upgrades and Migrations
 - Hardware
 - Operating System Software (Patches)
 - Applications Software

PI High Availability Architecture

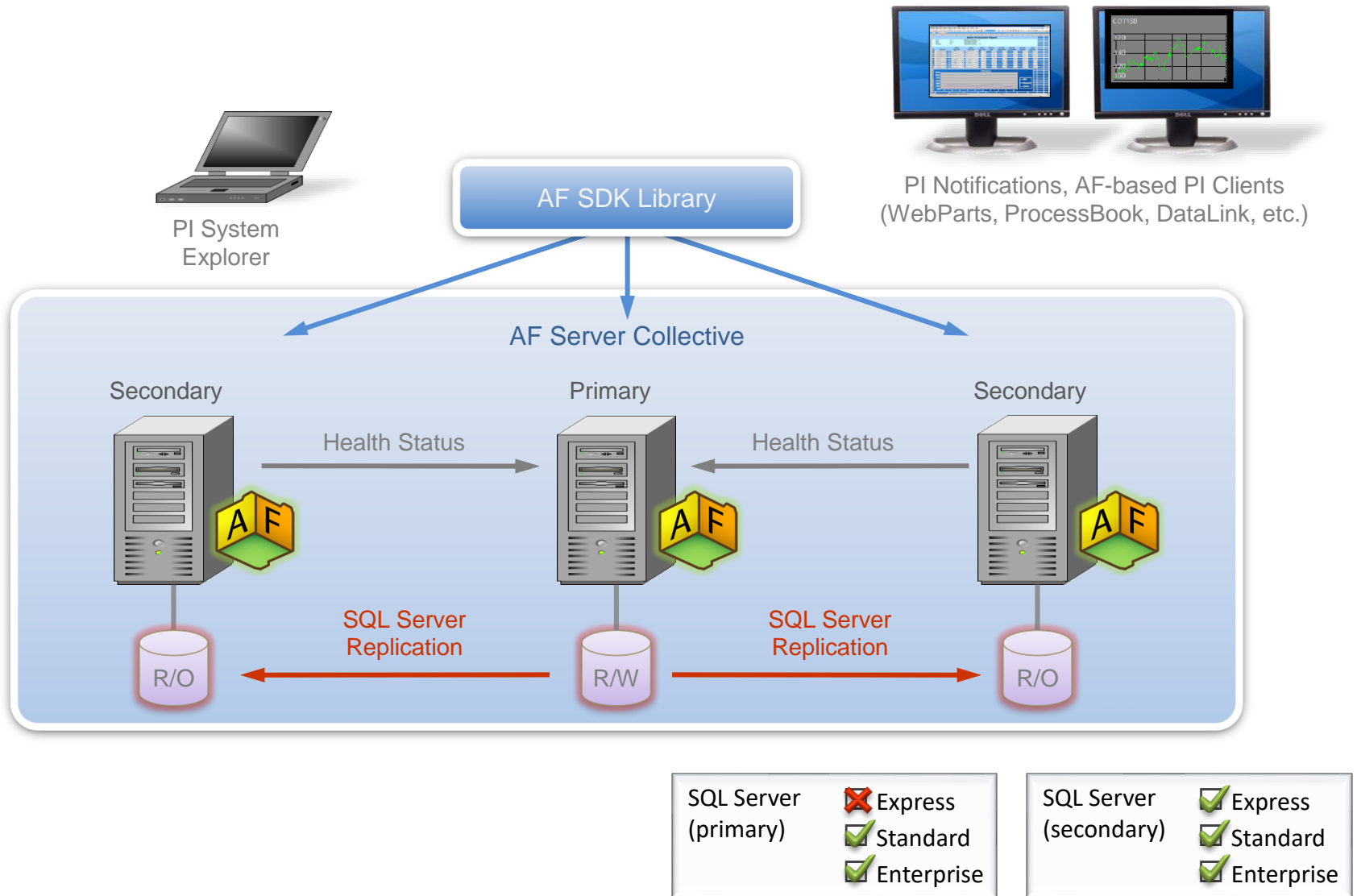


High Availability for AF 2.1

- Support for Clustering, Mirroring, and Replication (HA)
- Conceptually very similar to HA for the PI Server
 - Automatic Failover for clients
 - SQL replication for the AF database



AF 2.1 HA Collective

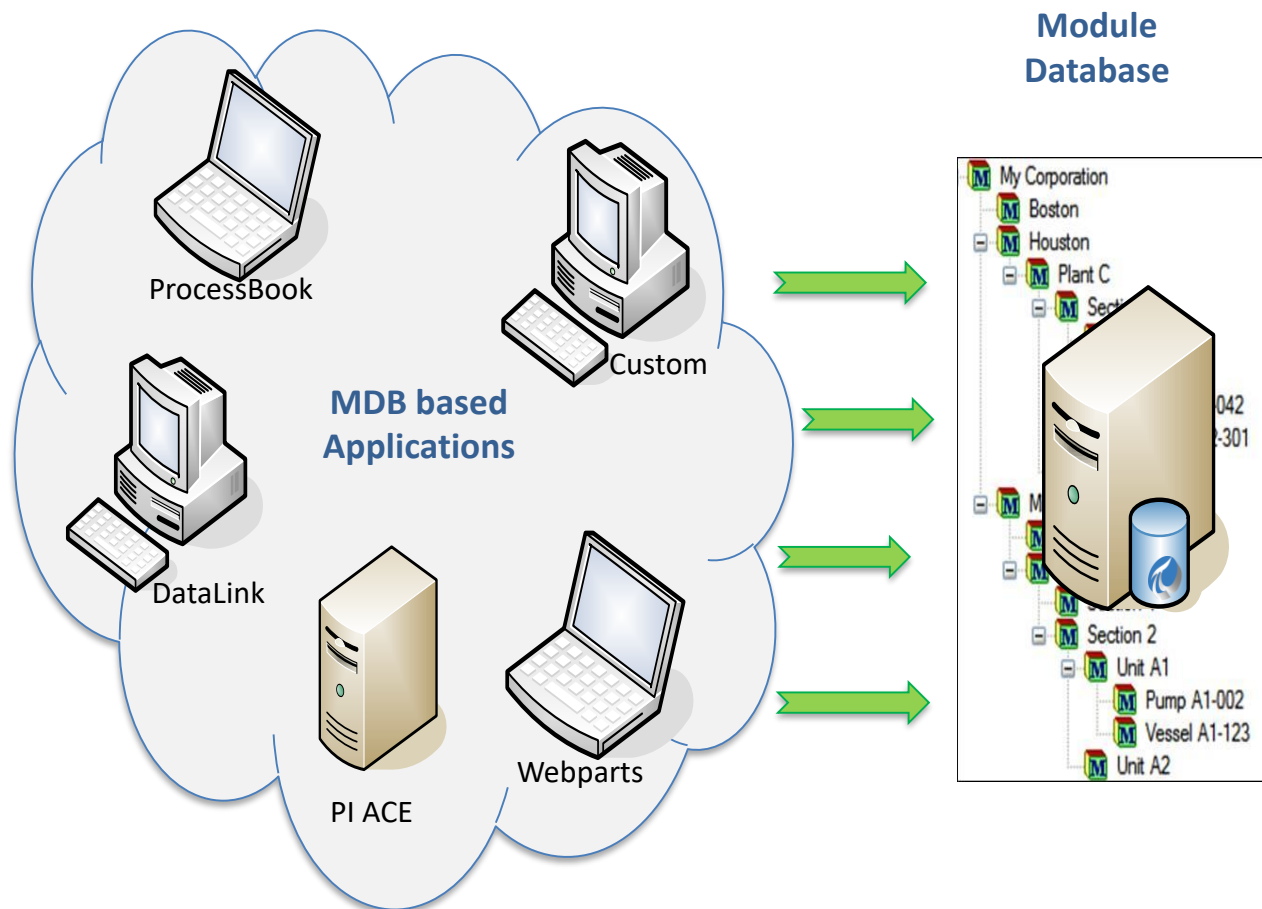


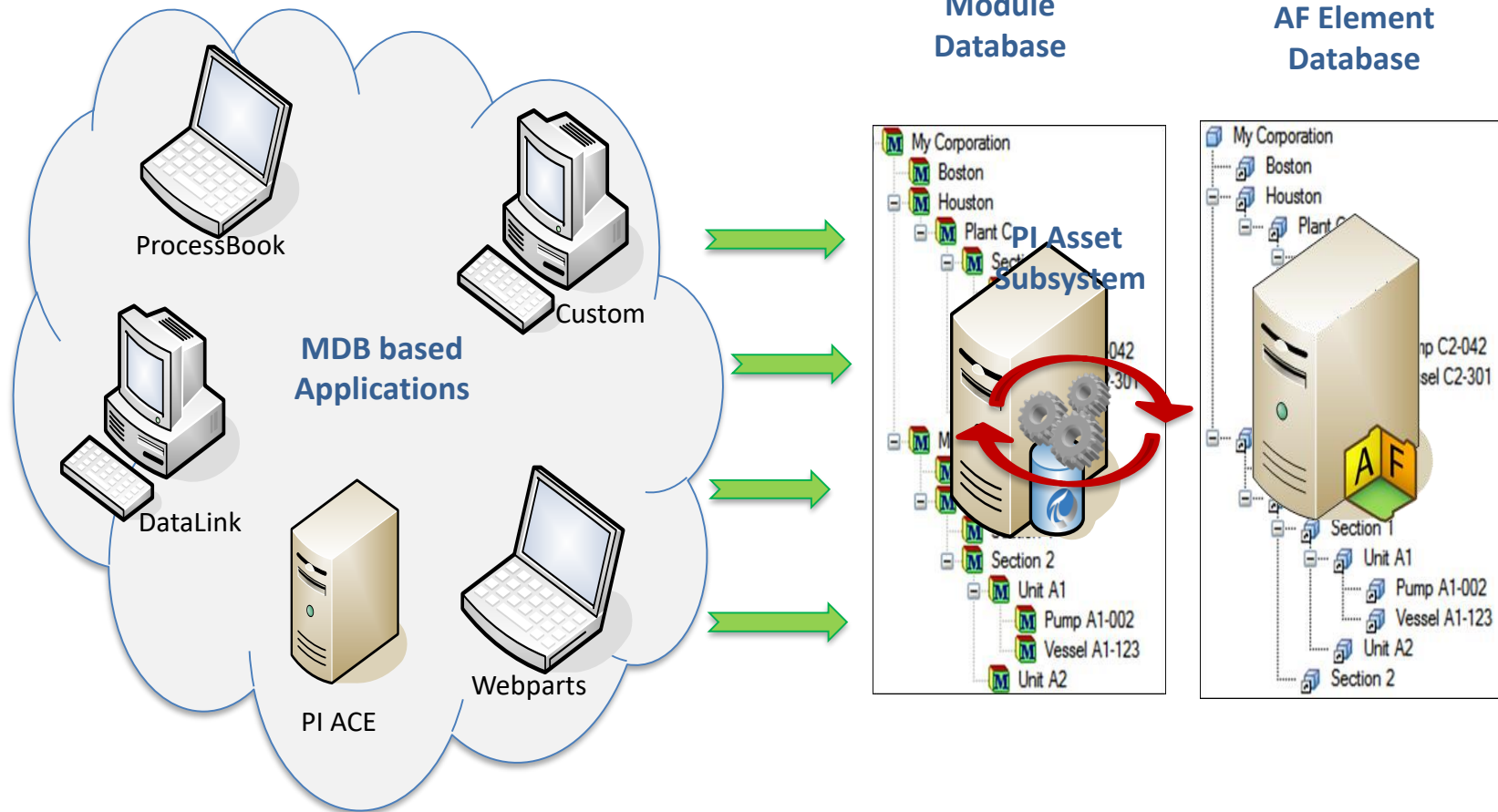
PI Enterprise Server 2010

PI MDB to PI AF

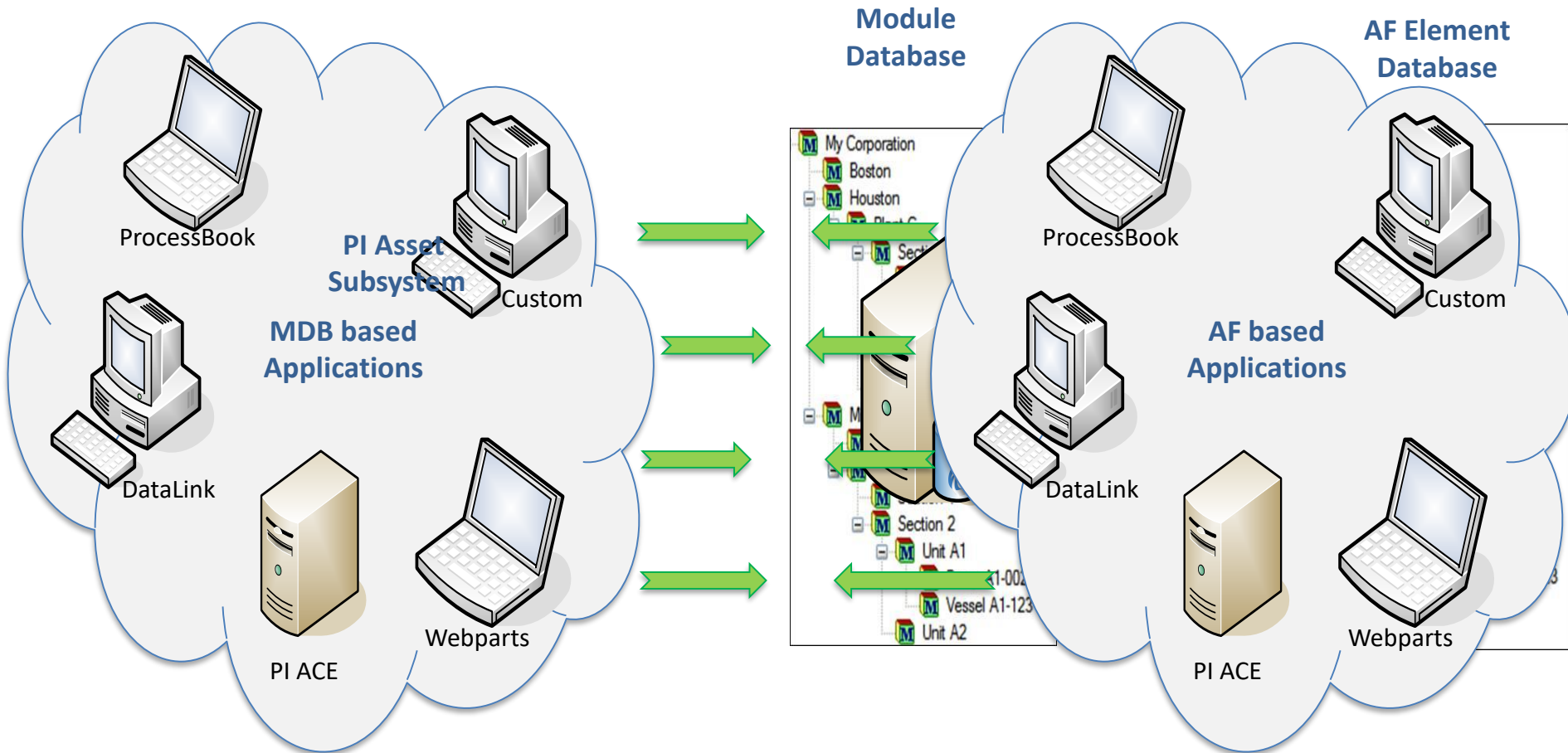


Technical Overview



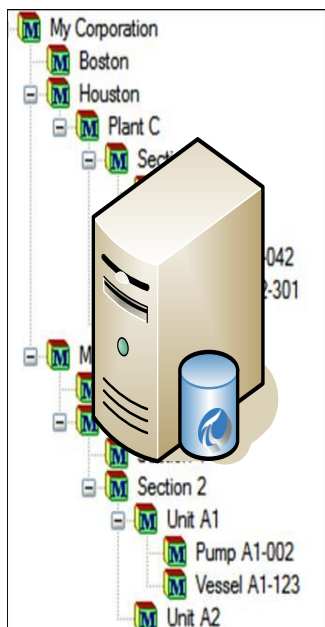


New Releases are AF Based



Asset Centric PI: AF Element DB

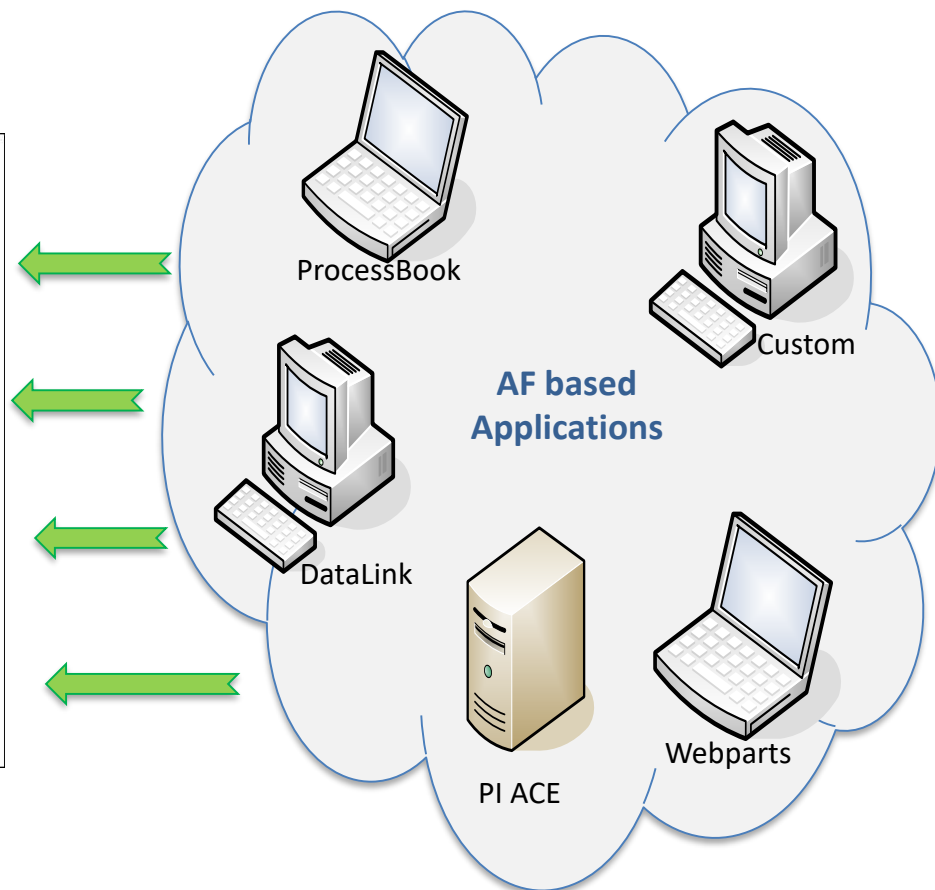
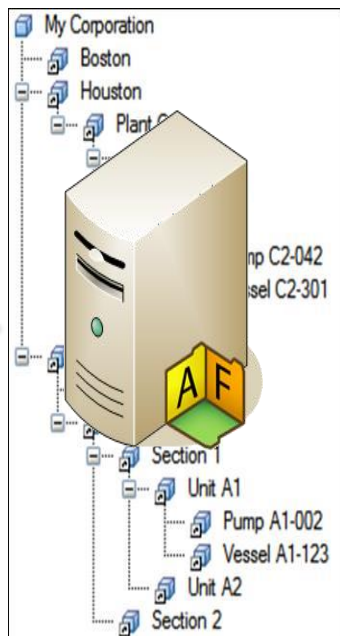
Module Database



PI Asset Subsystem



AF Element Database

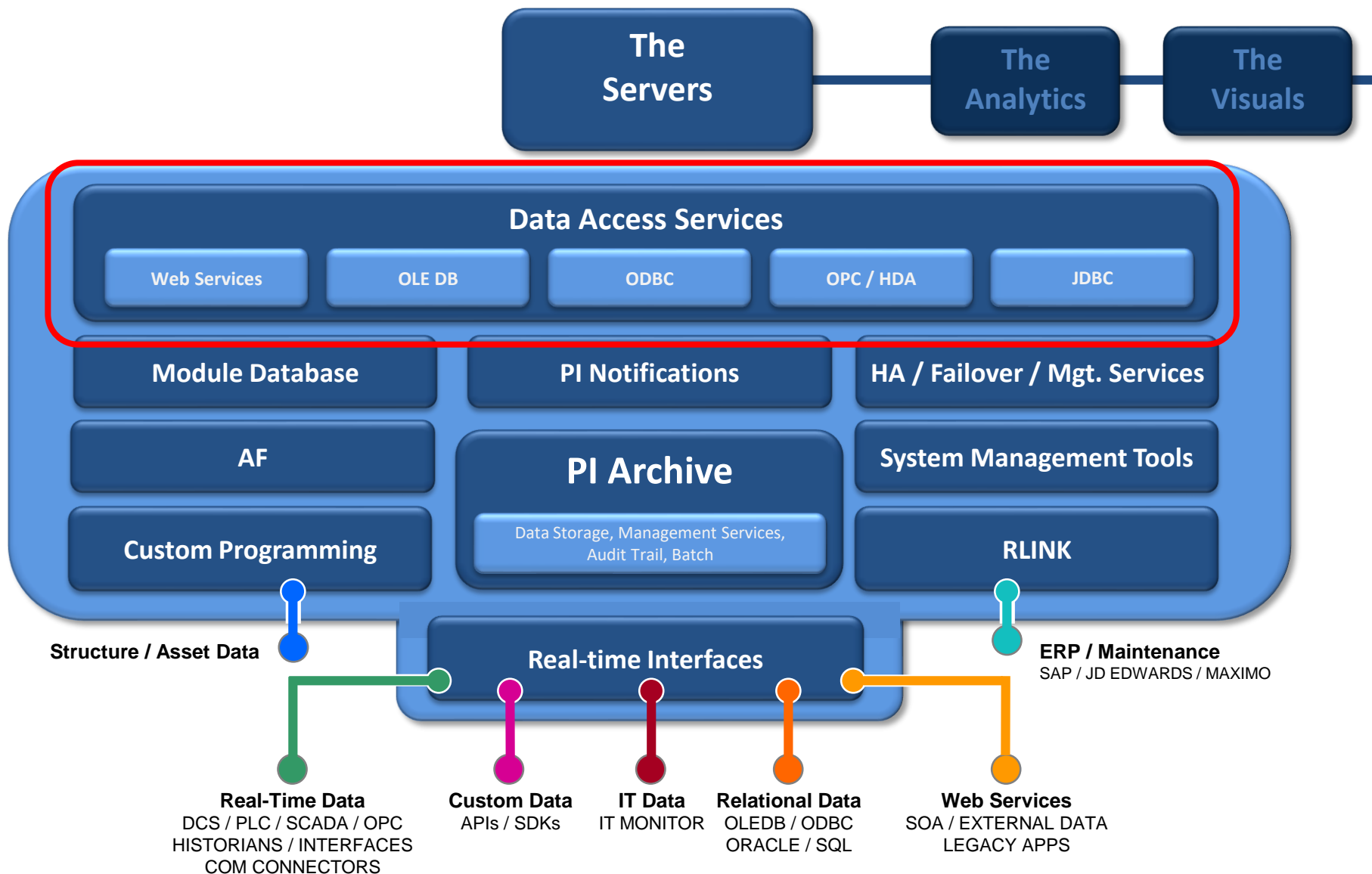


- PI Enterprise Server 2010 delivers the MDB to AF subsystem
 - Migration
 - Synchronization
- Requirements:
 - AF Server 2.1 must be installed
 - Must upgrade PI Server to 3.4.380 first
- Most applications can use AF natively
 - Some will continue to use MDB for now
- Release in 2Q 2010

Data Access



The PI Servers - Data Access



- Collection of all products that offer programmatic data access to all or part of the PI System
 - SQL tools (Office/SharePoint, Reporting, SAS, Business Objects)
 - PI OLEDB Provider
 - PI JDBC Driver
 - PI ODBC Client
 - Web Services (BizTalk, SAP, WebSphere, Web Apps, Info Path)
 - PI Web Services
 - OPC (HMI/Scada, MES)
 - OPC DA/HDA Server
 - OPC UA Server
 - SDKs (Custom Apps - partner or customer)
 - PI SDK
 - AF SDK

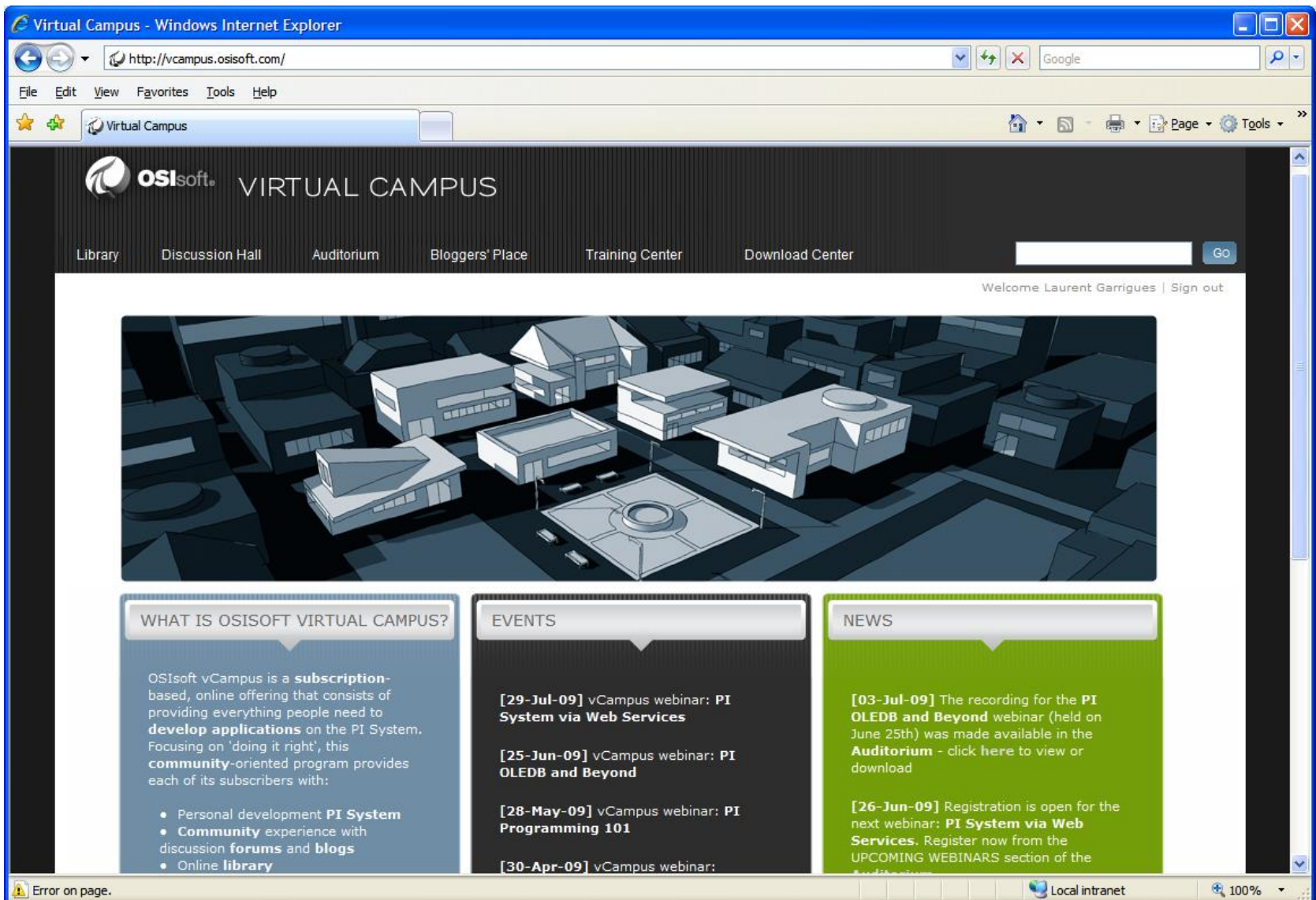
- PI Web Services 2010 (2Q 2010)
 - OSIsoft vCampus CTP available now
 - 2Q 2010 release with Tag and AF Support
- PI OLEDB 3.3 (*Released*)
 - Support both 32-bit and 64-bit providers
- PI OLEDB 2010 (2Q 2010)
 - Support for entire PI system, both Tags and AF
 - 2Q 2010 release with Tag and AF Support
- PI JDBC 1.0 (*Released*)
 - JDBC-OLEDB Bridge for Windows and Linux, OSIsoft vCampus

- OPC DA/HDA Server 1.2.6 (*Released*)
 - Achieved Self-Certification Logo from OPC Foundation
- PI OPC UA Server Technical Preview (*Released*)
 - OSIsoft vCampus online, hosted environment
- PI SDK 1.3.8 (*Released*)
 - Support for both 32-bit and 64-bit providers
- AF SDK 2.1 (*Released*)
 - Support for both 32-bit and 64-bit providers
- PI SDK 1.4.0 (1Q 2010)
 - Client-side buffering for manually entered data, ACE calculations writing to PI, and custom SDK-based interfaces

OSIsoft vCampus



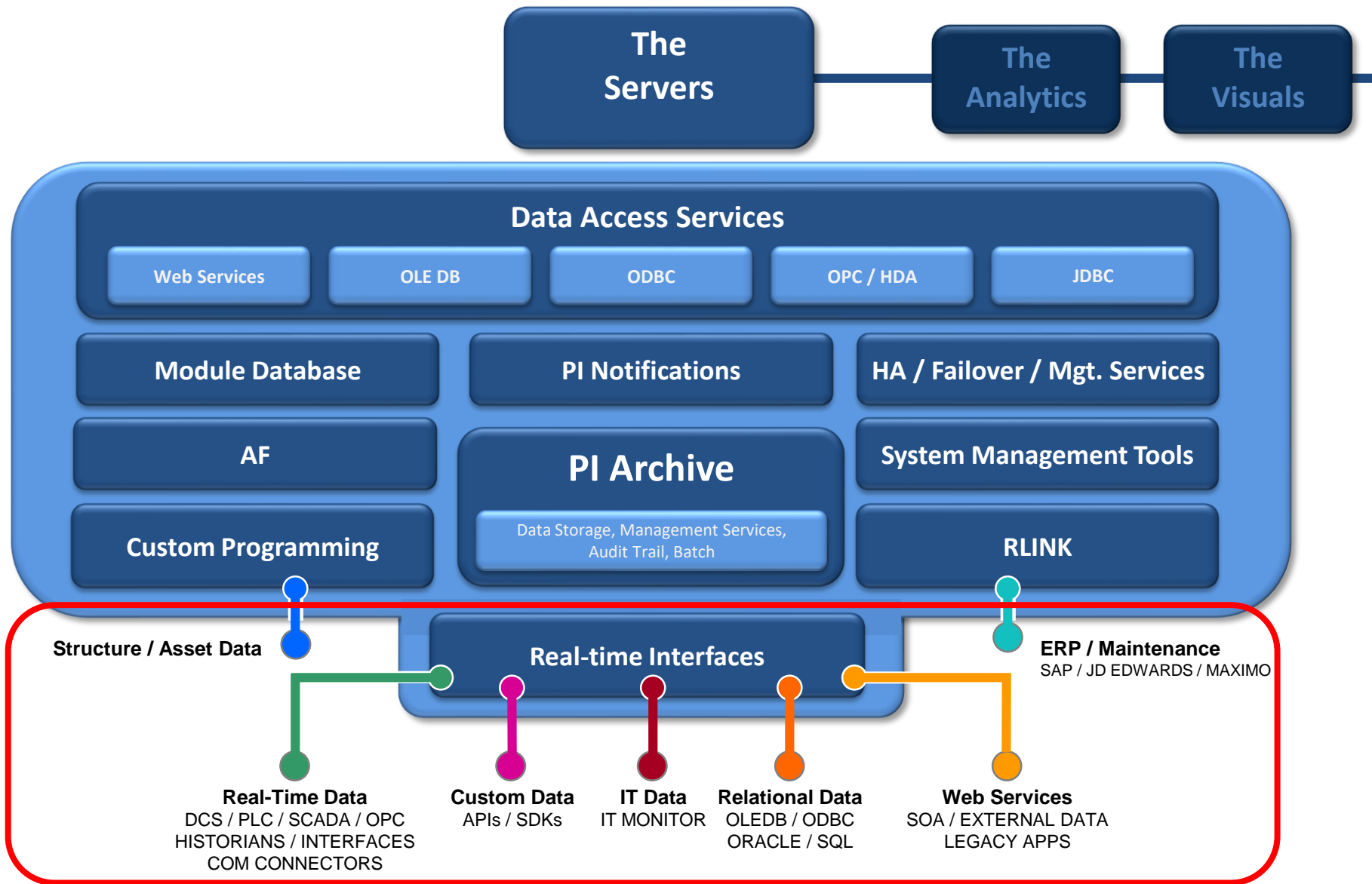
- Includes access to all programmatic interfaces to PI System: AF/AN SDK, PI OLEDB/ODBC, PI SDK, OPC DA/HDA/UA Server
- Development license for programmatic interfaces
- Runtime licensing is separate - PAL
- Programming examples and documentation
- PI Virtual Campus - community collaboration site
 - Forums
 - Blogs

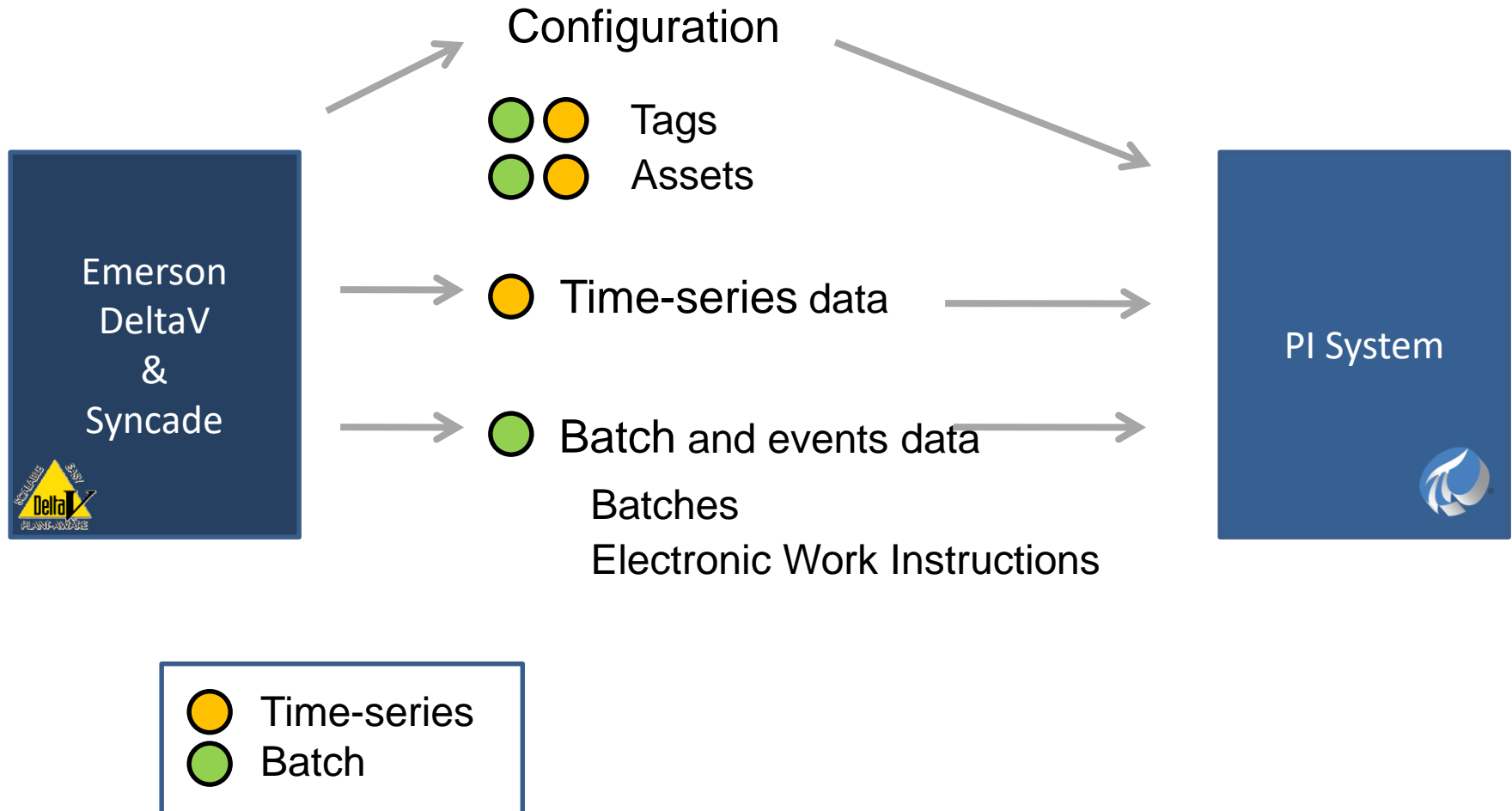


PI Interfaces



PI Interfaces - 450+ and growing





OSIsoft Product Roadmap – Interfaces

- Major Release
- Minor Release

Oct09 Nov09 Dec09 Jan10 Feb10 Mar10 Q2 2010 2H 2010

General Interfaces

AutoPointSync (1.2.6) TBD

PI UFL (3.2.0) Minor Release

RDBMS (3.17.0) Minor Release

ICU (1.5.0) Minor Release

OPC Interfaces

PI OPC UA Interface (1.0) TBD

PI OPC Interface / DA (2.4.0) TBD

Batch Interfaces

Emerson DeltaV (1.0) Major Release

Rockwell FT Batch (1.0) Major Release

ABB 800xA (1.0) Major Release

Siemens Simatic PCS7 (1.0) Major Release

Wonderware InBatch (1.0) Major Release

GE iBatch (1.0) Major Release

Honeywell TotalPlant Batch (1.0) Major Release

Power Meter Interfaces

Elster (1.0.x) Major Release

Tiilliant Unity (1.0.x) Major Release

Grid Net PolicyNet (1.0.x) Major Release

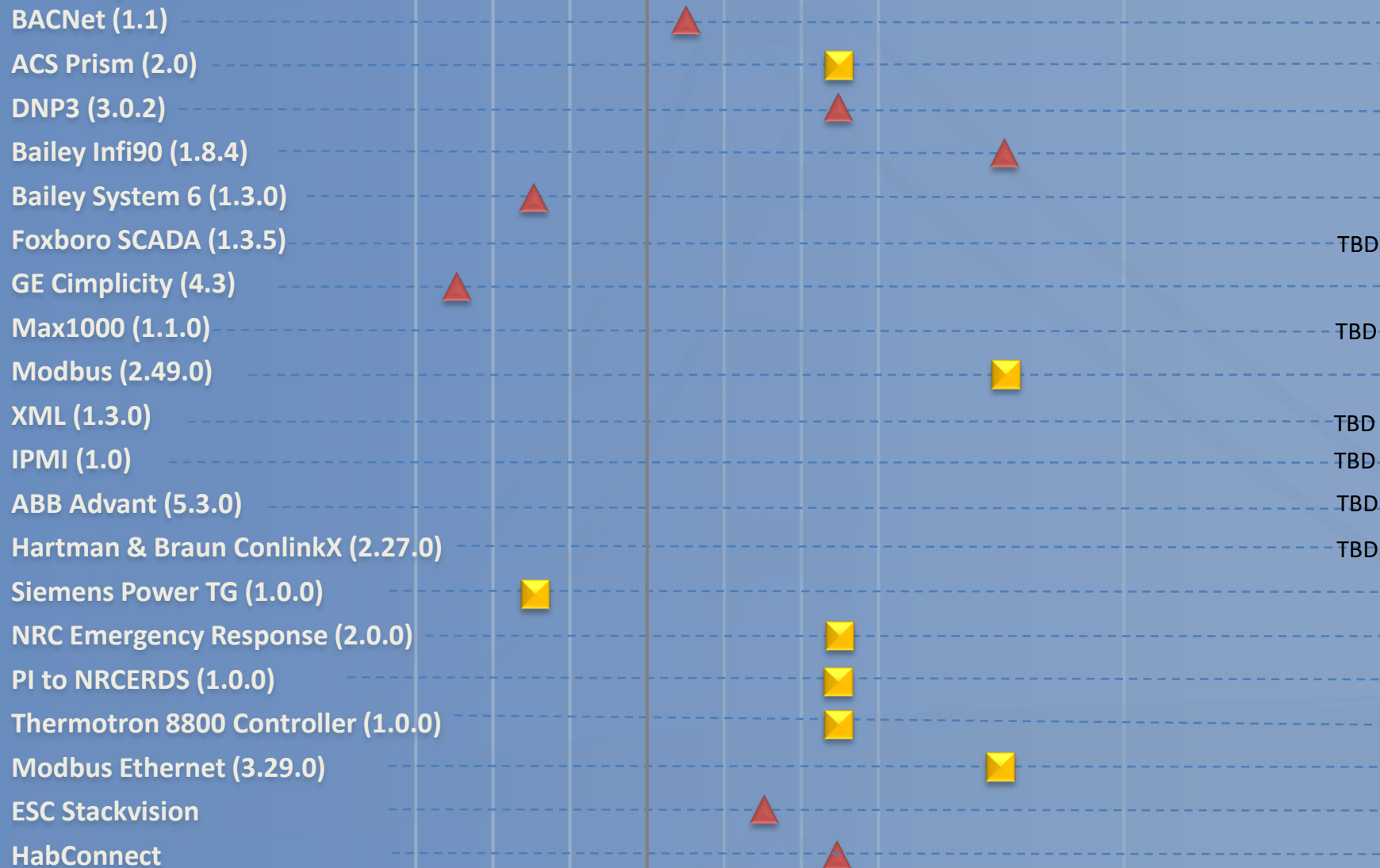
Silver Springs Network UtilityIQ (1.0.x) Major Release

OSIsoft Product Roadmap – Vendor Specific Interfaces

- Major Release
- Minor Release

Oct09 Nov09 Dec09 Jan10 Feb10 Mar10 Q2 2010 2H 2010

Vendor Specific Interfaces



PI Analytics



The Analytics within the PI System



The
Server

The
Analytics

The
Visuals

Advanced Computing Engine (ACE)

PI Notifications

**AF Configured
Analytics**

StreamInsight

PI Analytics

(PI Performance Equations, PI Totalizers, PI Alarms, PI RTSQC)

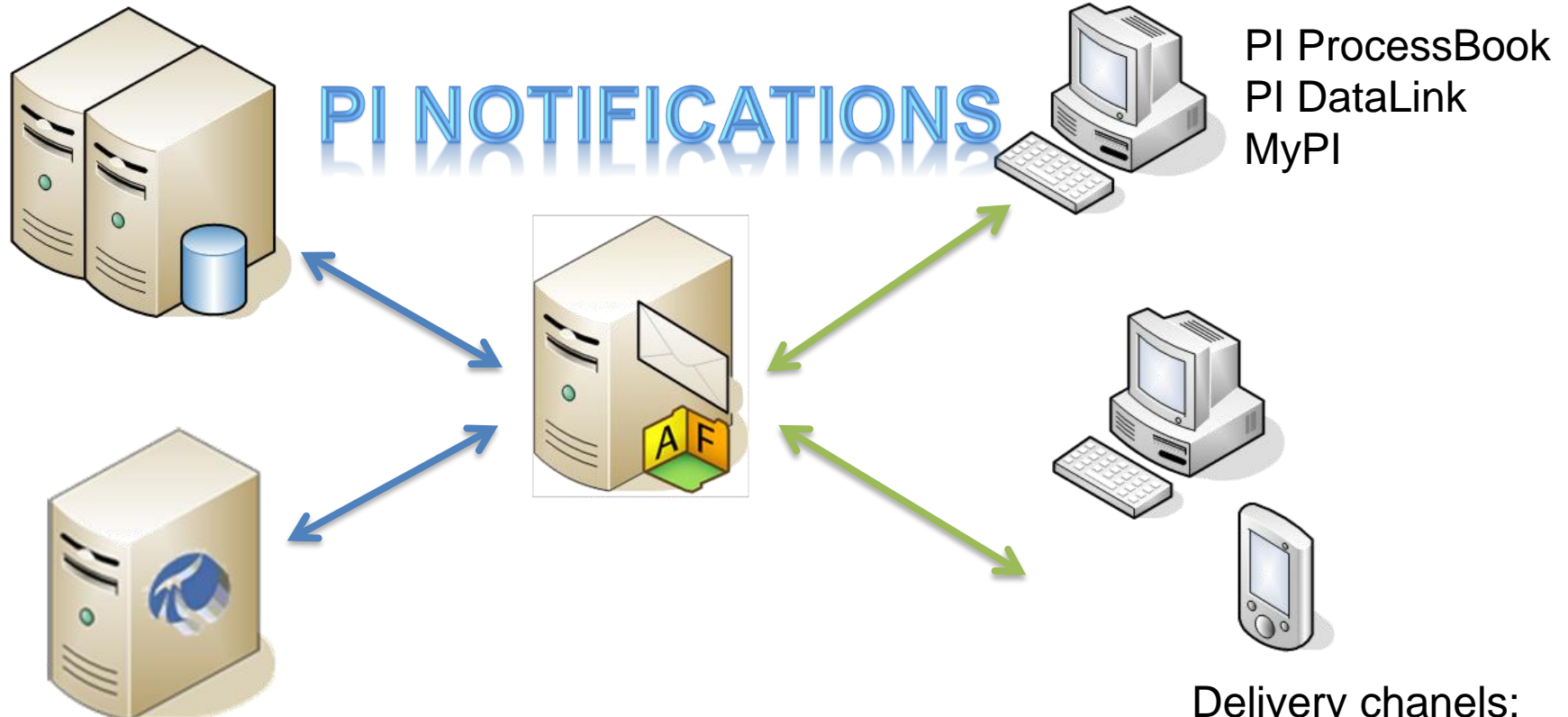
PI Notifications 1.1



Technical Overview and Value proposition

PI Notifications Architecture reminder

Others data sources

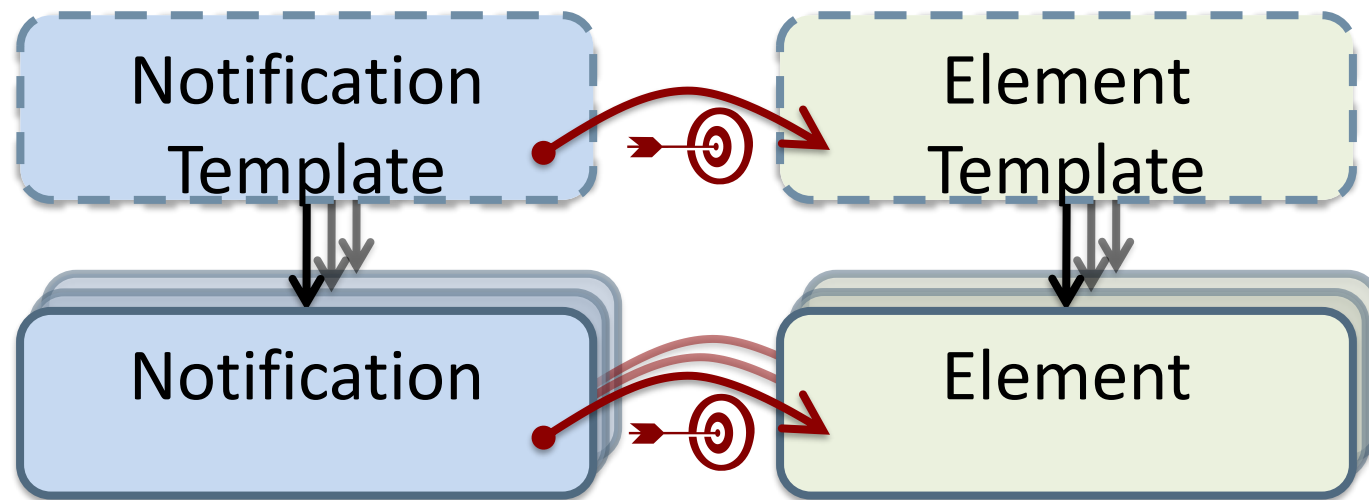


PI Server

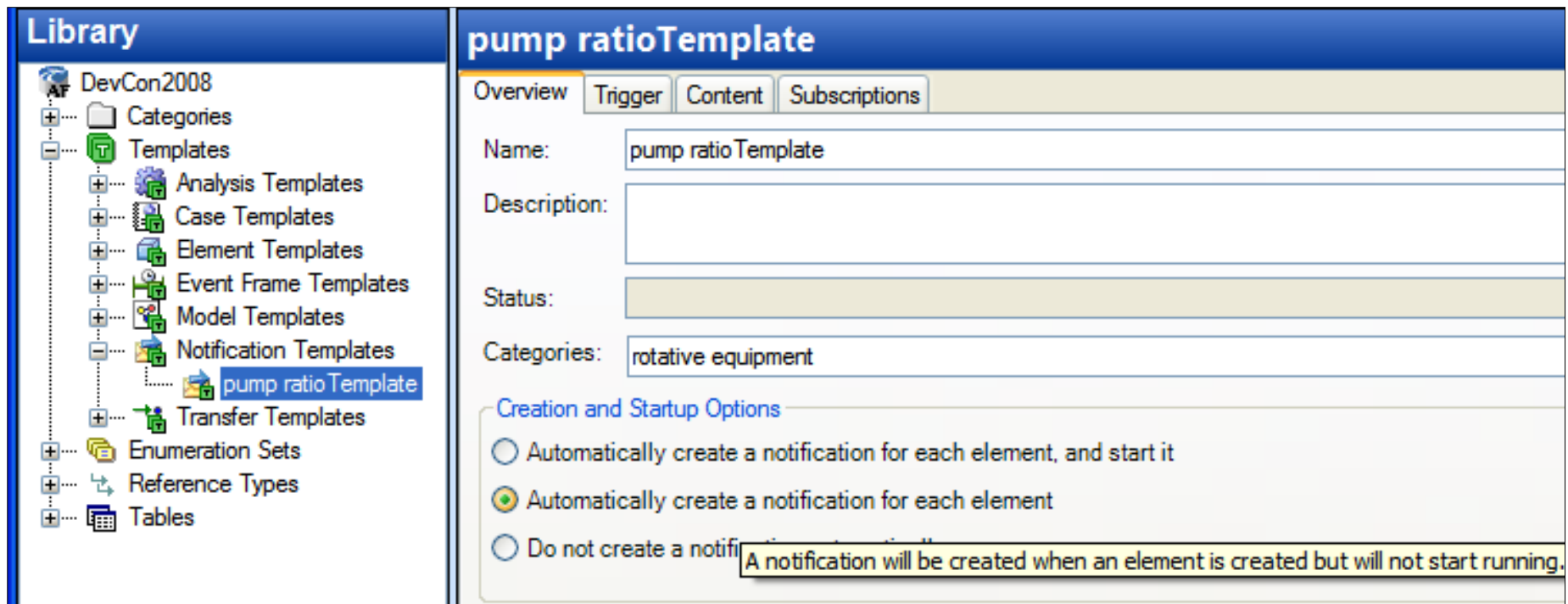
Delivery channels:

- Email
- Web services
- OCS v1.0
- Custom developed

- Performance Improvements (start-up and retrieval)
- Notification Templates enable rapid and automatic creation of maintainable notifications



- Notification templates
 - Automate the creation and maintenance process

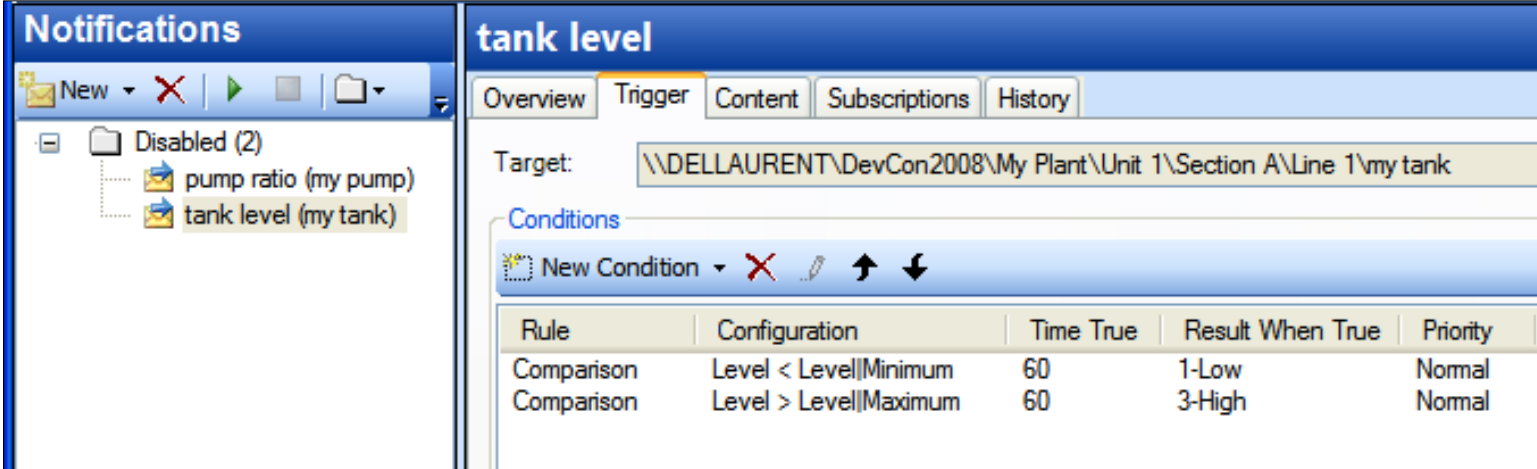


The screenshot displays the 'Library' pane on the left, which contains a tree view of the software's structure. The 'Templates' folder is expanded, showing sub-folders like 'Analysis Templates', 'Case Templates', 'Element Templates', 'Event Frame Templates', 'Model Templates', 'Notification Templates', and 'Transfer Templates'. The 'pump ratioTemplate' is highlighted under 'Notification Templates'.

The right pane shows the configuration for 'pump ratioTemplate'. It has tabs for 'Overview', 'Trigger', 'Content', and 'Subscriptions'. The 'Overview' tab is active, showing fields for 'Name' (pump ratioTemplate), 'Description', 'Status', and 'Categories' (rotative equipment). Below these is a section titled 'Creation and Startup Options' with three radio buttons: 'Automatically create a notification for each element, and start it', 'Automatically create a notification for each element' (which is selected), and 'Do not create a notification'. A tooltip is visible over the selected option, stating: 'A notification will be created when an element is created but will not start running.'

Performance improvements

- Can support up to 10k Notifications with multiples rules per Notifications server



The screenshot displays the PI Notifications application interface. On the left, a tree view under 'Notifications' shows a 'Disabled (2)' folder containing 'pump ratio (my pump)' and 'tank level (my tank)'. The main window is titled 'tank level' and has tabs for 'Overview', 'Trigger', 'Content', 'Subscriptions', and 'History'. The 'Trigger' tab is active, showing a 'Target' field with the path '\\DELLAURENT\DevCon2008\My Plant\Unit 1\Section A\Line 1\my tank'. Below this is a 'Conditions' section with a 'New Condition' button and a table of rules.

Rule	Configuration	Time True	Result When True	Priority
Comparison	Level < Level Minimum	60	1-Low	Normal
Comparison	Level > Level Maximum	60	3-High	Normal

- Can process up to 60k events/minute

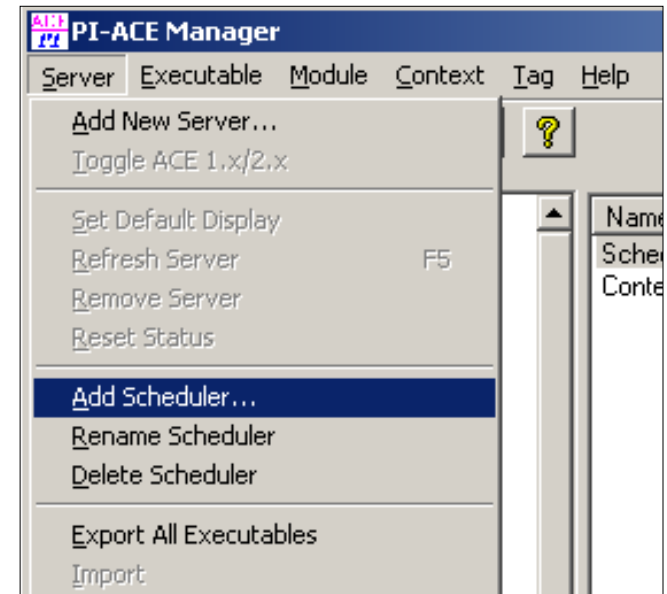
- Native Office Communication Server 2007 R2(OCS)delivery channel
 - v1.0 released in November 2009
 - Support presence and Instant Messaging (IM)
 - Ships as a plug-in for PI Notifications 1.1
 - Applications available for major cell phones
 - Windows Mobile
 - BlackBerry
 - iPhone
- Can use Email service to send an SMS message (offered by most wireless providers)

- Message Formatting
- Leverage Format template
- Association between Format and contacts
- Allow users to format the body and subject of the email by specifying specific placeholders
- Allow control over appearance of timestamps and numbers
- Release for Q2 2010

PI Advanced Calculation Engine (ACE)



- Native support for 64 bit
- Expected results
 - One order of magnitude increase in calculations
 - 5 x increase in startup speed
- Scale out the PI ACE scheduler so multiple machines can run against a single PI server
- 2H 2010



The Analytics Landscape today



		Configuration	Programming
Specific Context	PI Tags	PI PE, PI Totalizers, PI Alarms, PI RT SQC	PI ACE, PI SDK (Custom applications)
Generic Context	PI MDB	None	PI ACE, PI SDK (Custom applications)
	PI AF	AF Analysis Rules • PE syntax, AF formula DR syntax • Additional ARs (roll-up etc.) Clock & Event based scheduling Export results to PI tags	Custom AF Data References Custom AF Analysis Rules Custom applications (AF SDK)

Focus for 2010




PI AF Configured Analytics



- Leverage AF elements and AF element templates
- Merging of AF Data Reference and AF Analysis features
- Output of AF Analysis Rule or Data Reference can be written back to PI
 - Rollup Analysis Rule
 - Table lookup DR
- Based on PE Library in PI Notifications and current AF data references

Configuring an Analysis - Mock Up

- Attribute/Attribute Template configuration
- Data Reference configuration doesn't change
- Analysis configuration accessible

Name: Shell Side Heat Capacity	Name: Shell Side Heat Capacity
Description:	Description:
Configuration Item: <input type="checkbox"/>	Configuration Item: <input type="checkbox"/>
Categories	Categories
UOM: British thermal units per pound	UOM: British thermal units per pound
Value Type: Double	Value Type: Double
Value: 1 BTU/(lb °F)	Value: 1 BTU/(lb °F)
Data Reference: Table Lookup	Data Reference: Table Lookup
 Settings...	 Settings...
 Convert to Analysis...	
SELECT [Heat Capacity] FROM [Material Properties] WHERE MaterialID = @[Shell Side Material]	SELECT [Heat Cap. Properties] WHERE MaterialID = @[Shell Side Material]

<None>

Formula

Ideal Gas Law

PI Point

PI Point Array

Table Lookup

Comparison

Performance Equation

Configuring an Analysis - Mock Up

Analysis

Name: LMTD Calculation Target: HeatExchanger

Analysis Rule

Performance Equation

+ Add | = Evaluate

Function | Operator | Attribute...

Ceiling
Char
Compare
Concat

Input Parameters

[-] ColdIn .|Shell Side Inlet Temperature; UOM=°C
[-] ColdOut .|Shell Side Outlet Temperature; UOM=°C
[-] HotIn .|Tube Side Inlet Temperature; UOM=°C
[-] HotOut .|Tube Side Outlet Temperature; UOM=°C

Output Parameters

[+] LMTD .|LMTD
PI Point \\%Server%\%Element%. %Attribute%

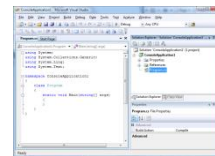
Schedule

Hourly
Frequency=3600

PI and Microsoft StreamInsight

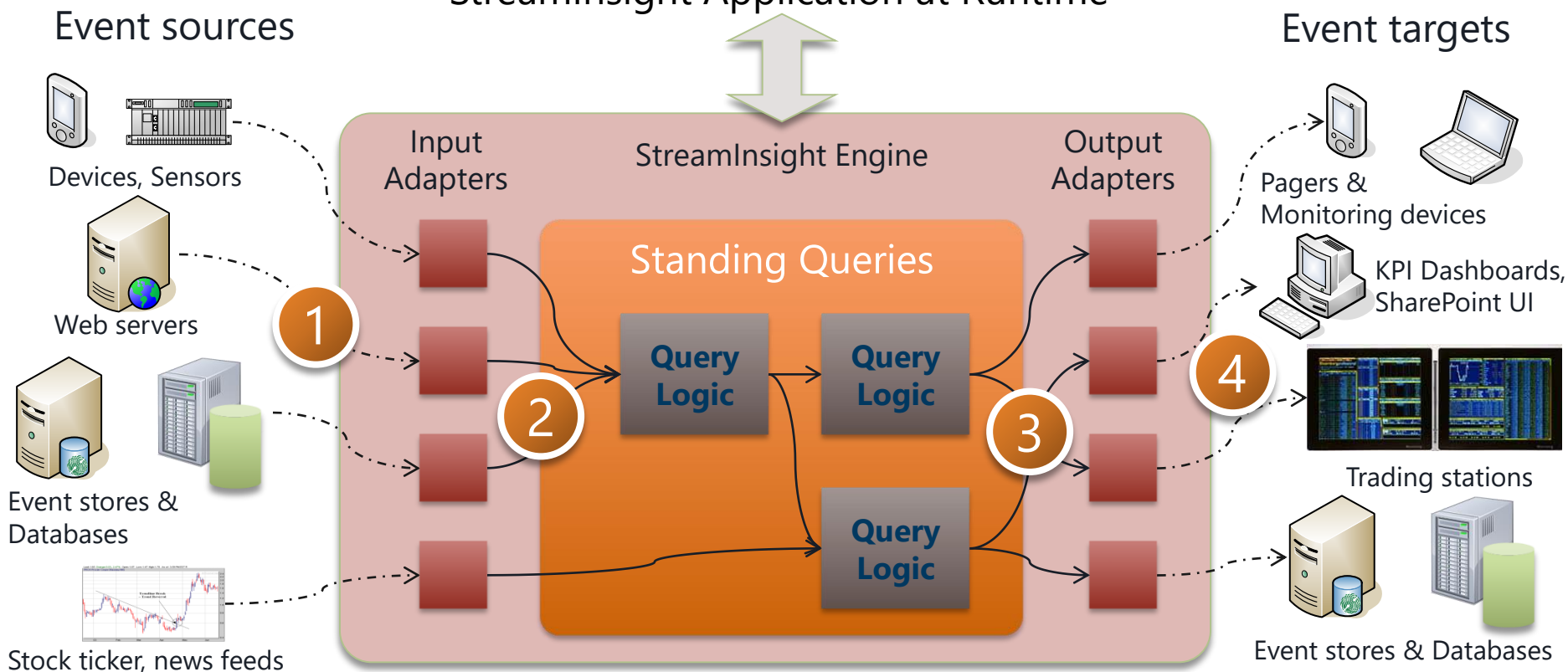


StreamInsight Application Development

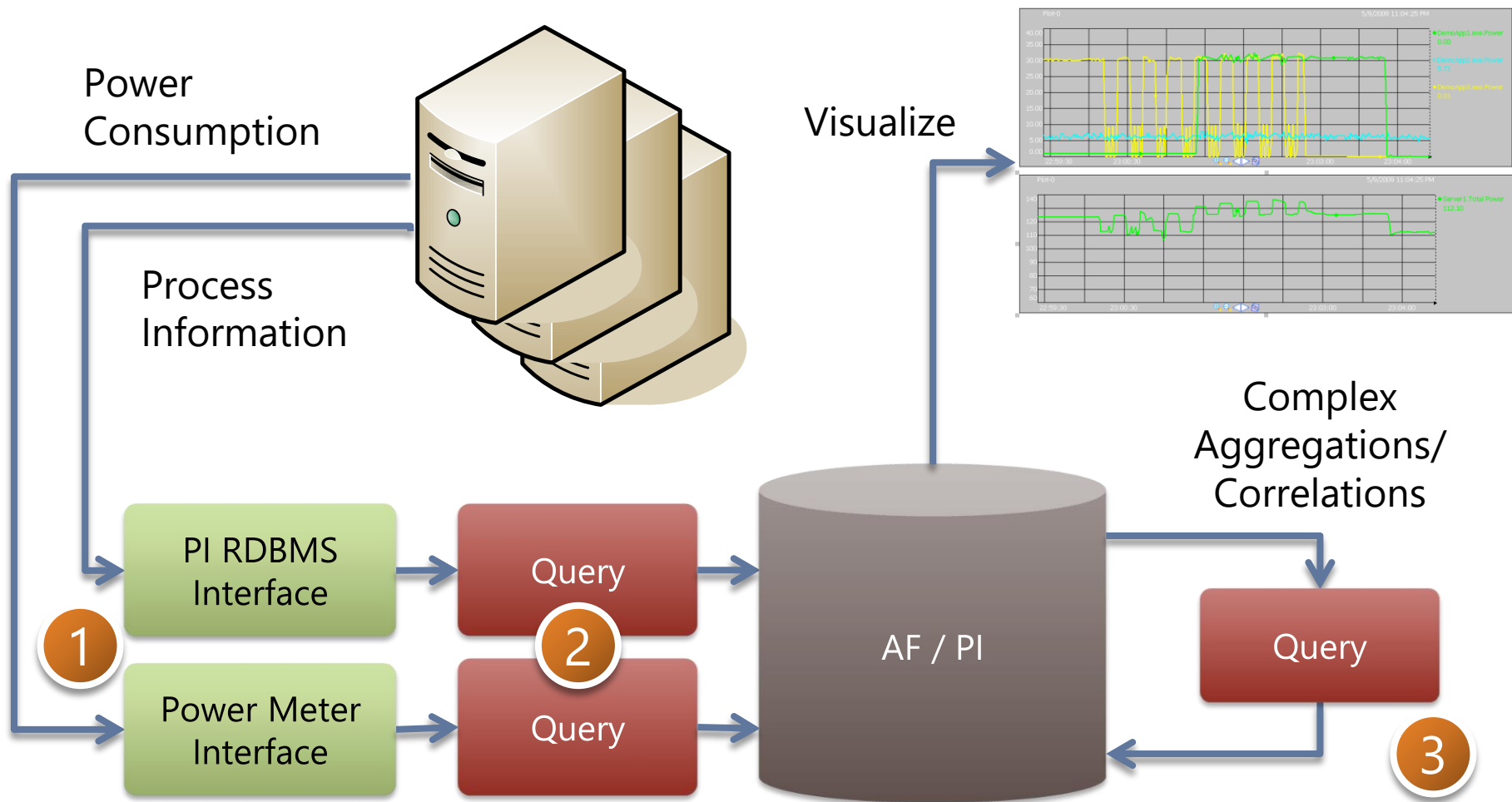


.NET
C#
LINQ

StreamInsight Application at Runtime



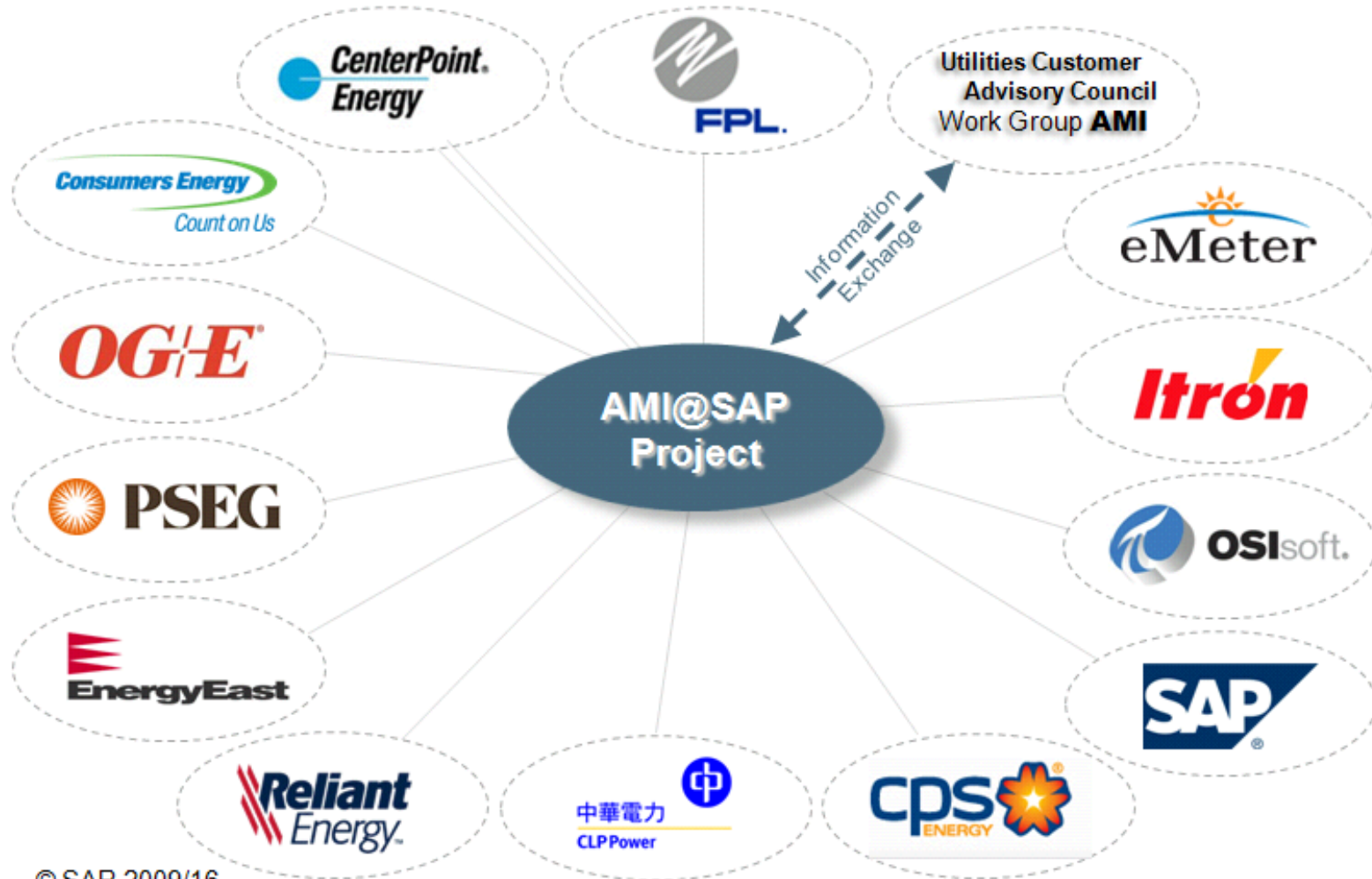
PI StreamInsight Scenarios



OSIsoft Meter Data Unification System (MDUS)



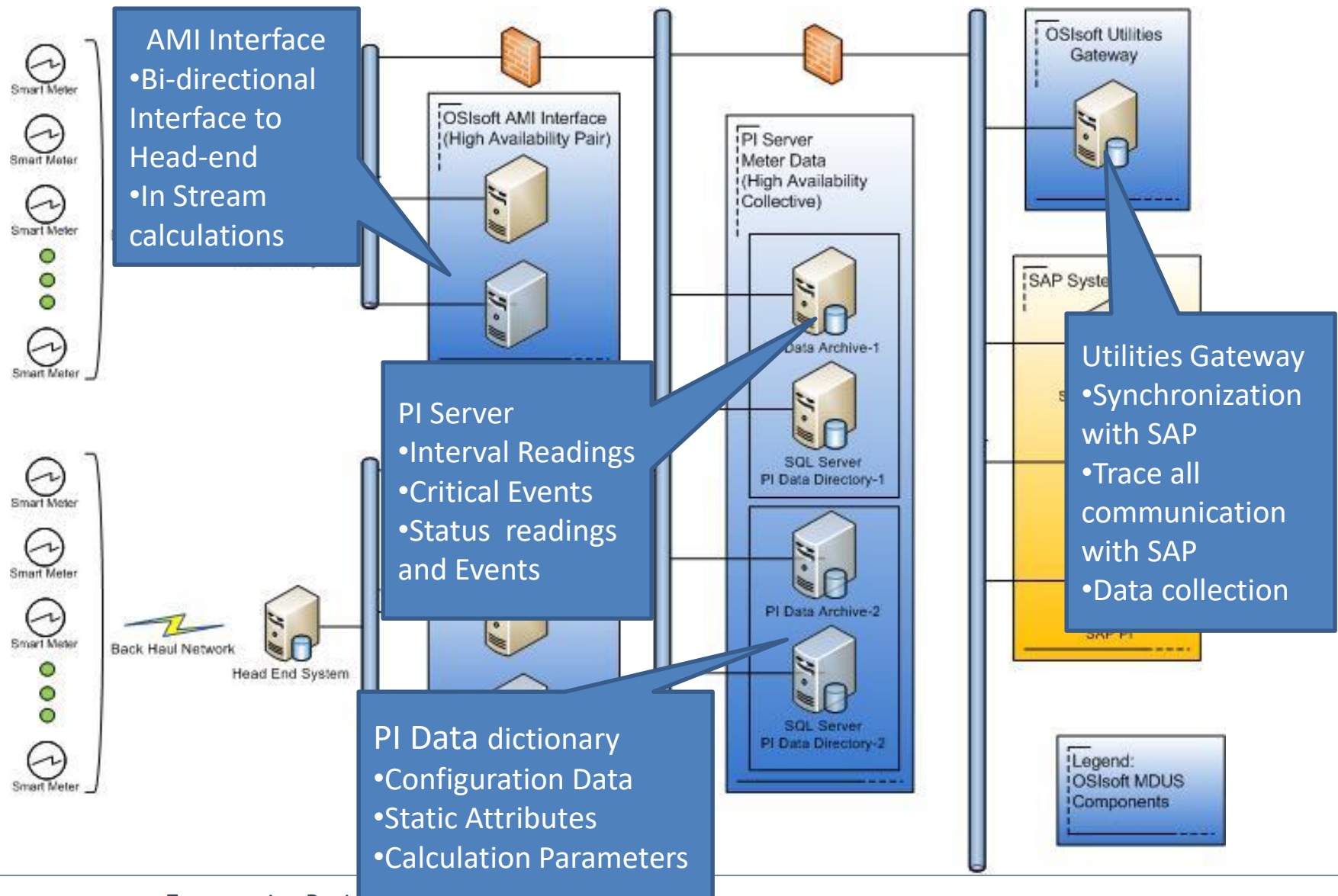
Working together to solve Common Challenges - AMI@SAP Light House Council

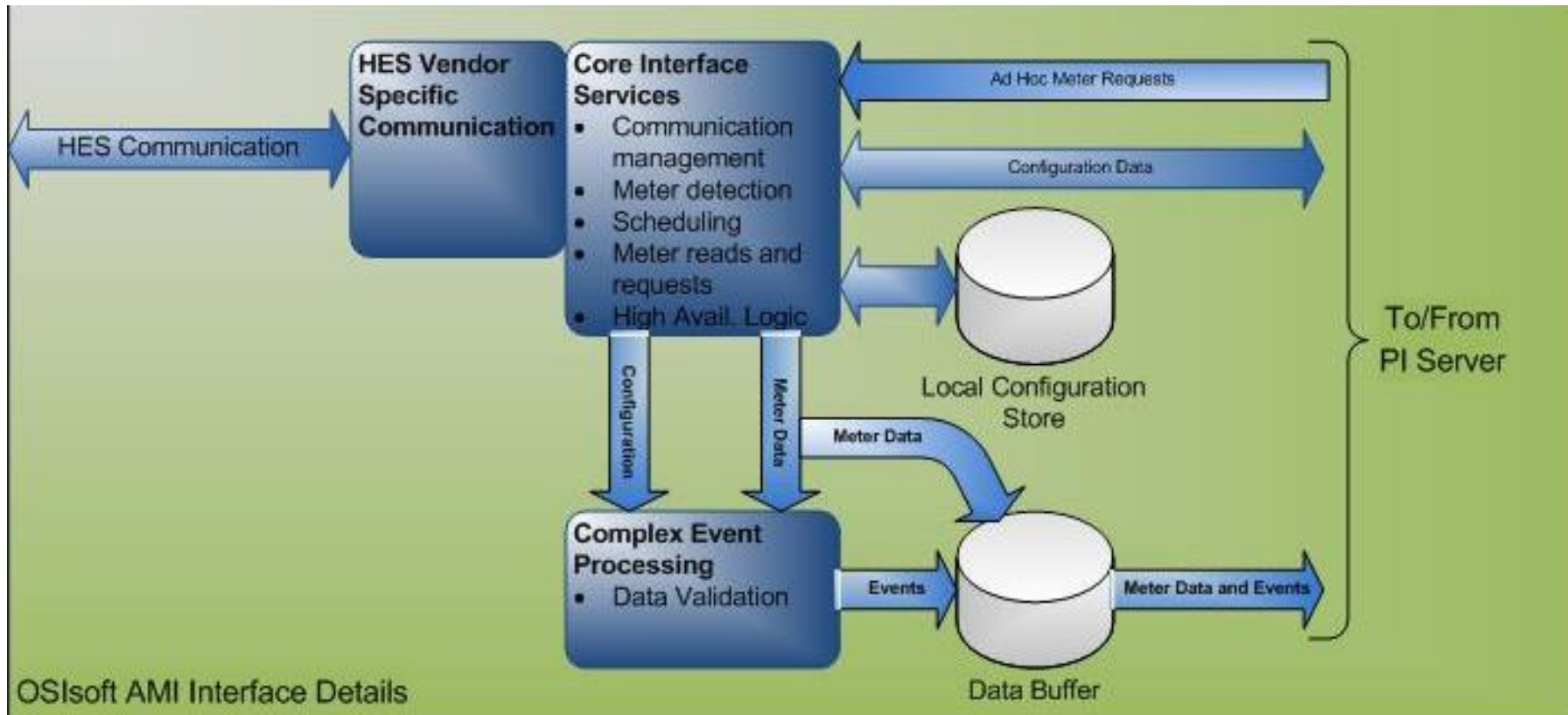


© SAP 2009/16

- Package of software products *and* services
 - Software products
 - AMI Interfaces
 - PI Server (PI Data Archive and PI AF)
 - Analytics Framework - Edge Processing
 - Web service based interface to SAP Utilities EhP 4
 - OSIsoft Utilities Gateway
 - Services
 - Pre-sale consulting
 - Architecture and implementation
 - Support

OSIsoft MDUS Overview





What is the SAP EBS?



- SAP Endorsed Business Solution contract is a joint development/marketing/sales /support agreement for OSIsoft to license “**OSIsoft MDUS**” into SAP Utilities customer base, specifically for AML.
 - Meter Data Unification System. The enabling real-time infrastructure.
- Application level integration with **Solution Qualification** to ensure end-to-end business processes for AML.
- OSIsoft MDUS is a complimentary solution selected by SAP Product and Industry groups.
- Product roadmap guided by SAP based on Cooperative Development Agreement
- Endorsed by SAP sold by **OSIsoft**

- Major Release
- Minor Release

OSIsoft Product Roadmap

Oct09 Nov09 Dec09 Jan10 Feb10 Mar10 Q2 2010 2H 2010

Server

- PI Server (3.4.380)
- AF (2.1)
- Notifications (1.2)
- ACE
- SMT (3.3.0.4)
- PI Analytics
- StreamInsight Analytics

Data Access

- PI SDK (1.4.x)
- PI API (1.6.2)
- PI OLEDB Provider (4.0.x)
- PI Data Services (3.0.x)
- PI JDBC (1.1.x)
- OPC UA Server (1.0.x)
- PI Web Services (1.0.x)
- OSIsoft-MDUS (1.0.x)

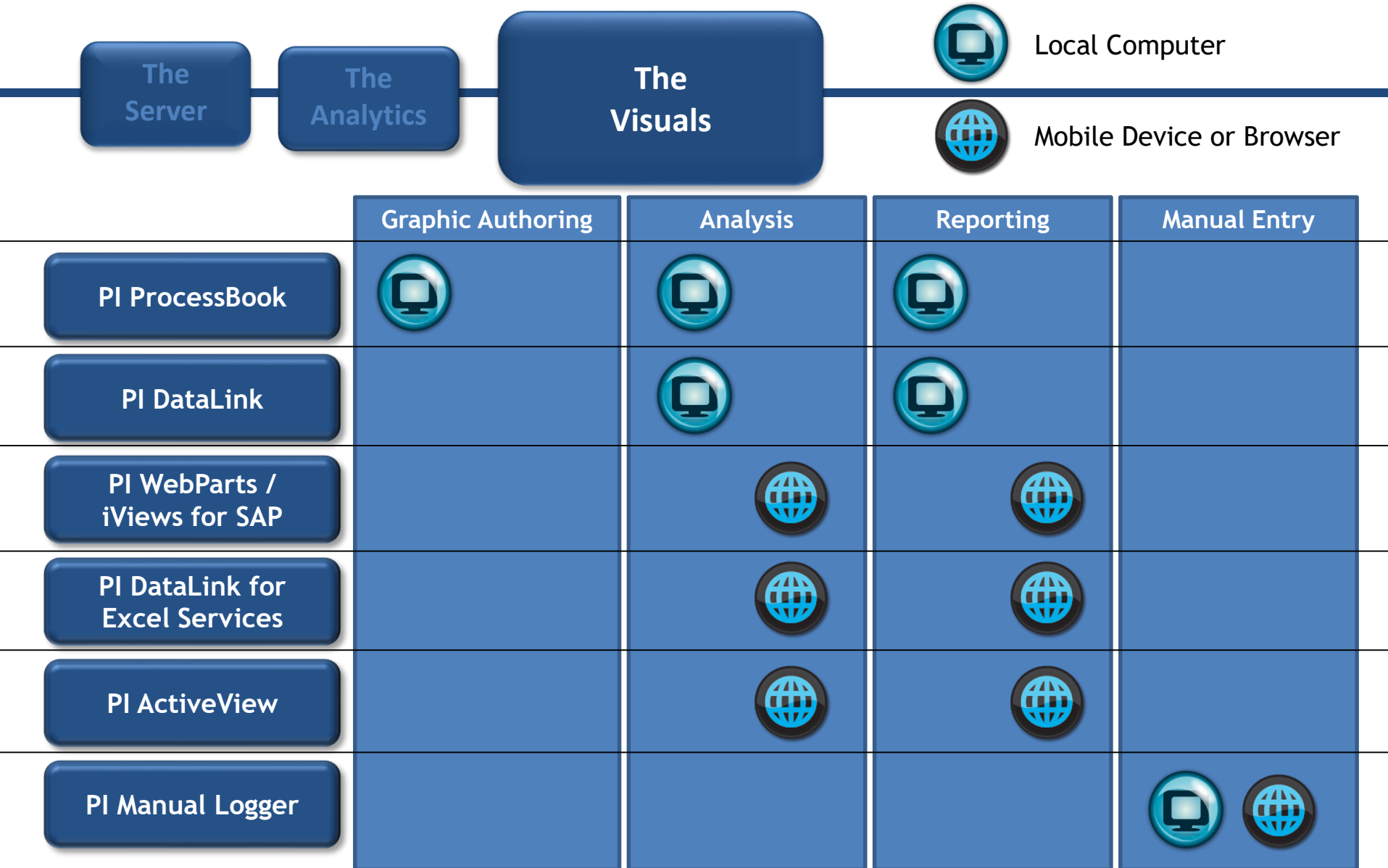
CTP

TBD

The Visuals



The Visuals within the PI System



PI ProcessBook



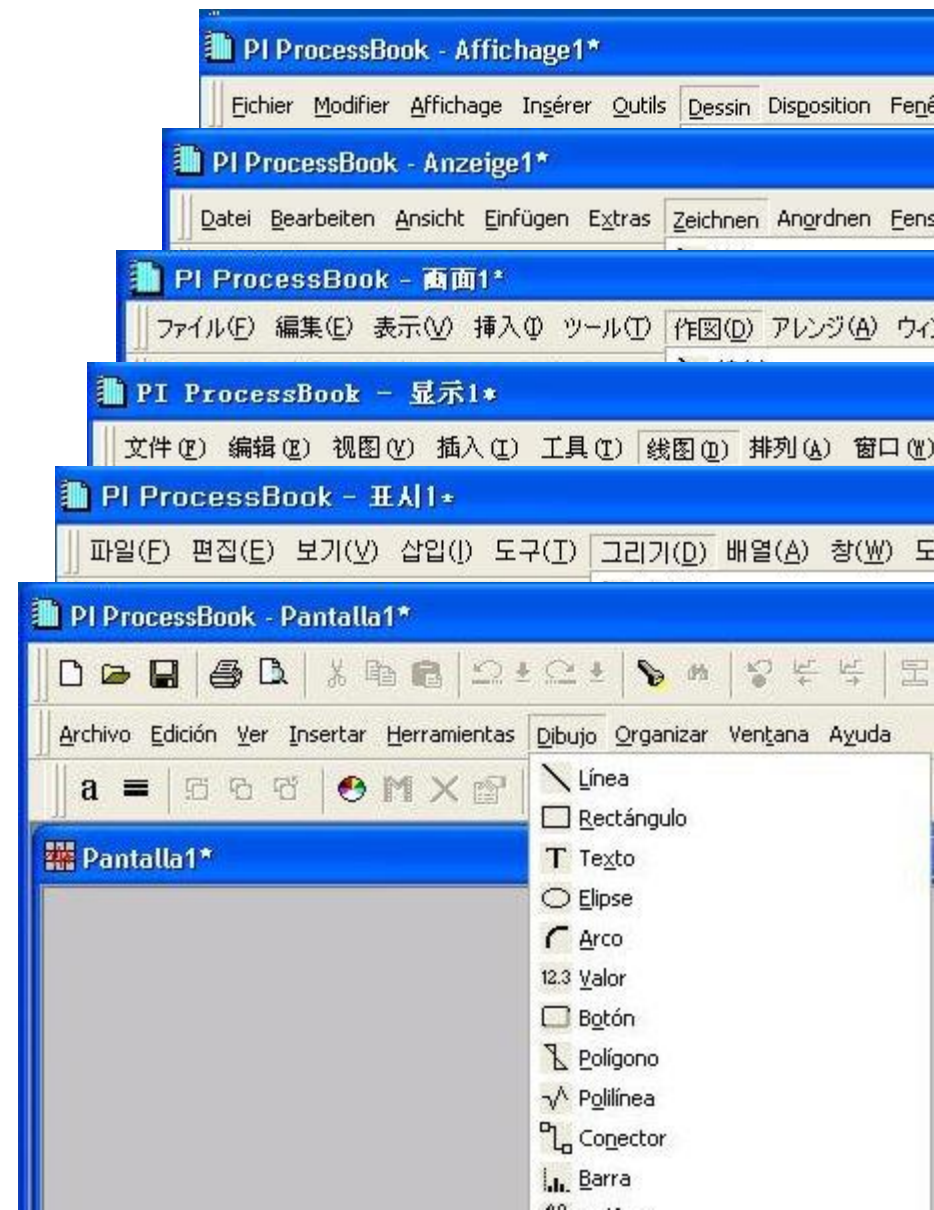
- ProcessBook 3.1 (*Released* October 2008)
 - Windows security integration
 - PI Notifications integration
 - Trending enhancements
- ProcessBook 3.2 (*Released* September 2009)
 - AF Element Relative Displays
 - Display Playback
 - Display Browsing and Bookmarking
 - Office Communicator collaboration integration
 - Statistical Quality Control (SQC) symbol now included

PI ProcessBook 3.1



- Easier Symbol Formatting
- Quick Trend Zoom & Pan
- Data Details in a table
- Annotations on PI events
- Vertical Trends available
- Linear Regression Line on trends
- Tooltip Statistics on all dynamic symbols
- Drag and Drop symbol configuration

- ProcessBook and ActiveView
 - English
 - French
 - German
 - Spanish
 - Simplified Chinese
 - Japanese
 - Korean
 - Russian (*coming soon*)
 - Brazilian Portuguese (*coming soon*)
- BatchView
 - Japanese



PI ProcessBook 3.2



PB 3.2 - AF Element Relative Displays

PI ProcessBook - [WellHead]

File Edit View Insert Tools Draw Arrange Window Help

64%

C:\UCdocs\WellHead.pdi

7/1/2009

Element Relative Display

Search

well*

Elements of Interest

Group by: ☐ Template

Filter

Name	Description	Category
Well12345		
Well2346		
Well2347		
Well4569		
Well4570		

Well4570

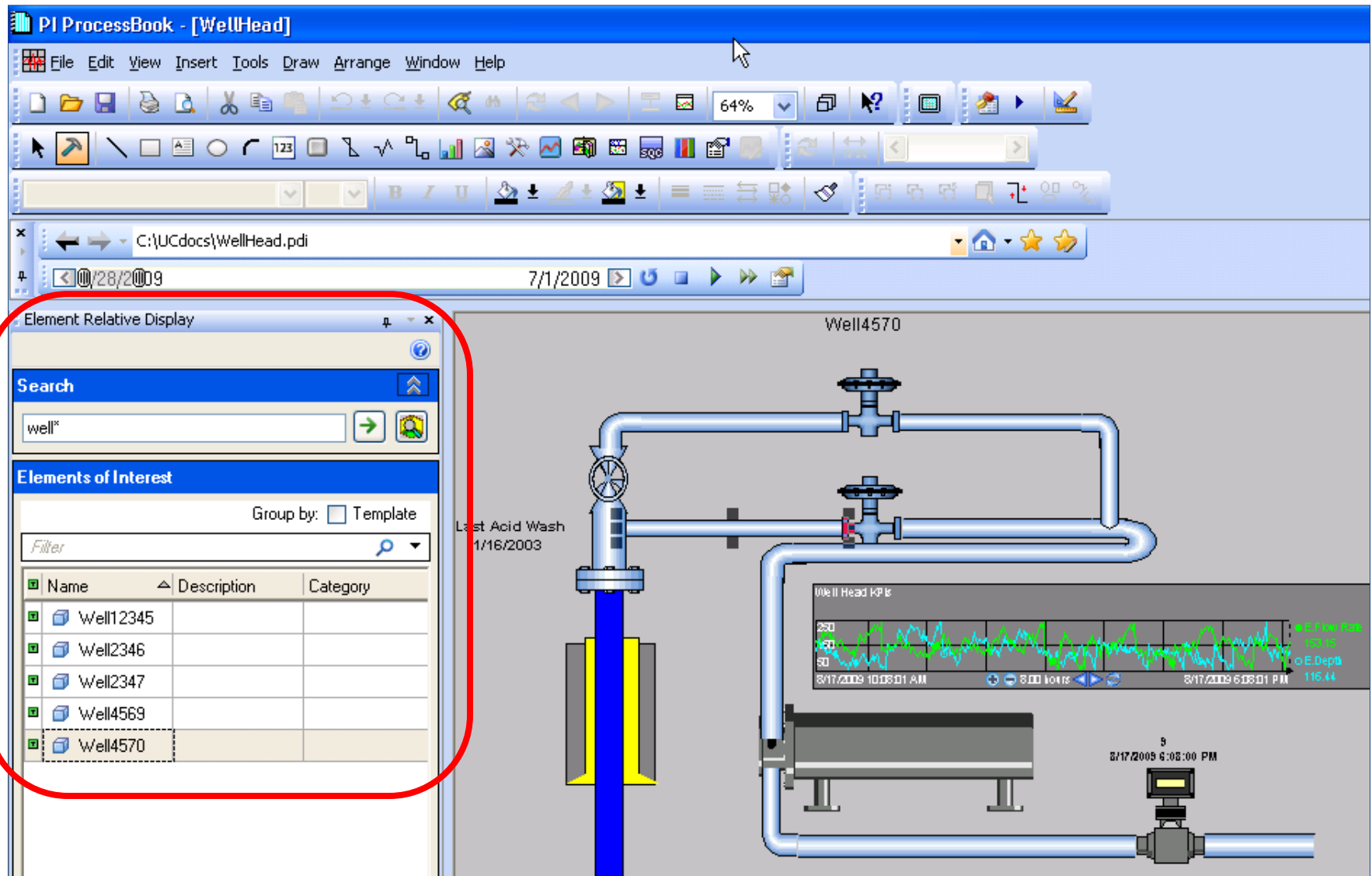
Last Acid Wash 1/16/2003

Well Head KPIs

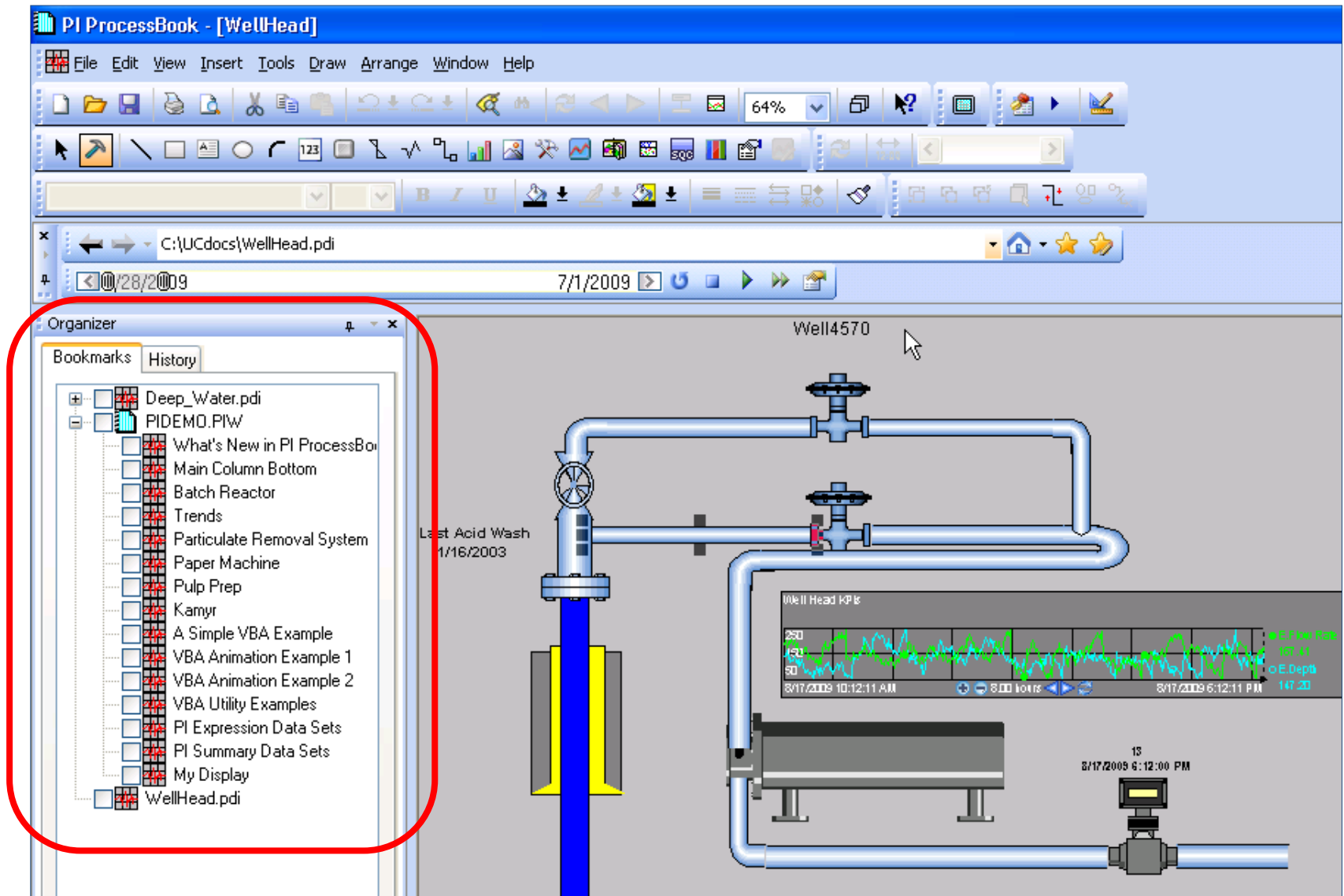
250
150
50

8/17/2009 10:05:01 AM 8/17/2009 6:05:01 PM

8/17/2009 6:05:00 PM



PB 3.2 - Display Browsing and Bookmarking



The screenshot displays the PI ProcessBook interface for a process named "WellHead". The main window shows a process diagram with a vertical blue pipe on the left, a horizontal pipe with a valve at the top, and a horizontal pipe with a valve in the middle. A yellow rectangular area is highlighted on the left side of the main pipe. A mouse cursor is positioned over the top valve. The diagram is labeled "Well4570" at the top. Below the main pipe, there is a section labeled "Last Acid Wash 1/16/2003". In the bottom right corner, there is a section labeled "13 5/17/2009 6:12:00 PM".

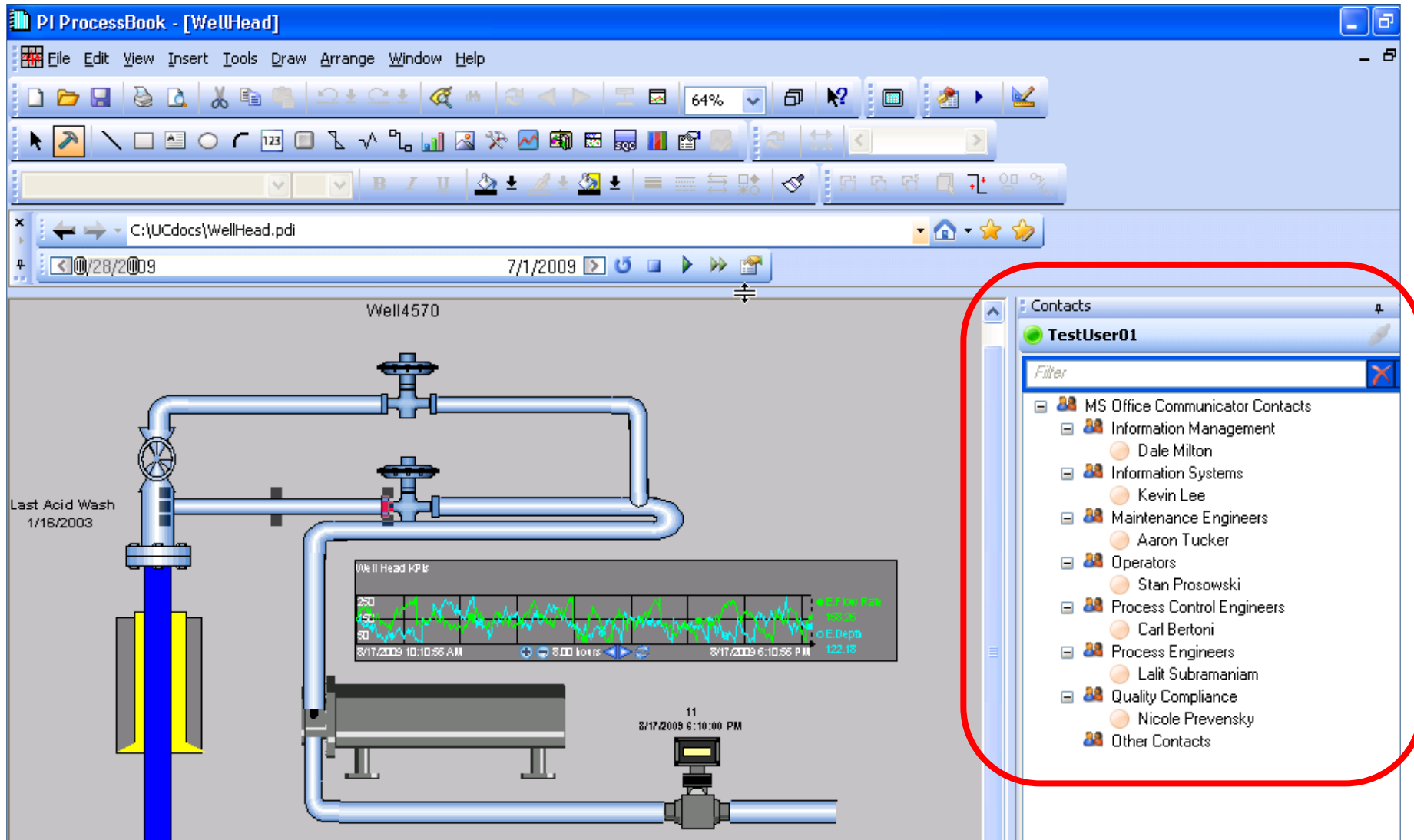
The "Organizer" window is open on the left side, showing a list of bookmarks. The "Bookmarks" tab is selected, and the list includes:

- Deep_Water.pdi
- PIDEMO.PIW
- What's New in PI ProcessBook
- Main Column Bottom
- Batch Reactor
- Trends
- Particulate Removal System
- Paper Machine
- Pulp Prep
- Kamyr
- A Simple VBA Example
- VBA Animation Example 1
- VBA Animation Example 2
- VBA Utility Examples
- PI Expression Data Sets
- PI Summary Data Sets
- My Display
- WellHead.pdi

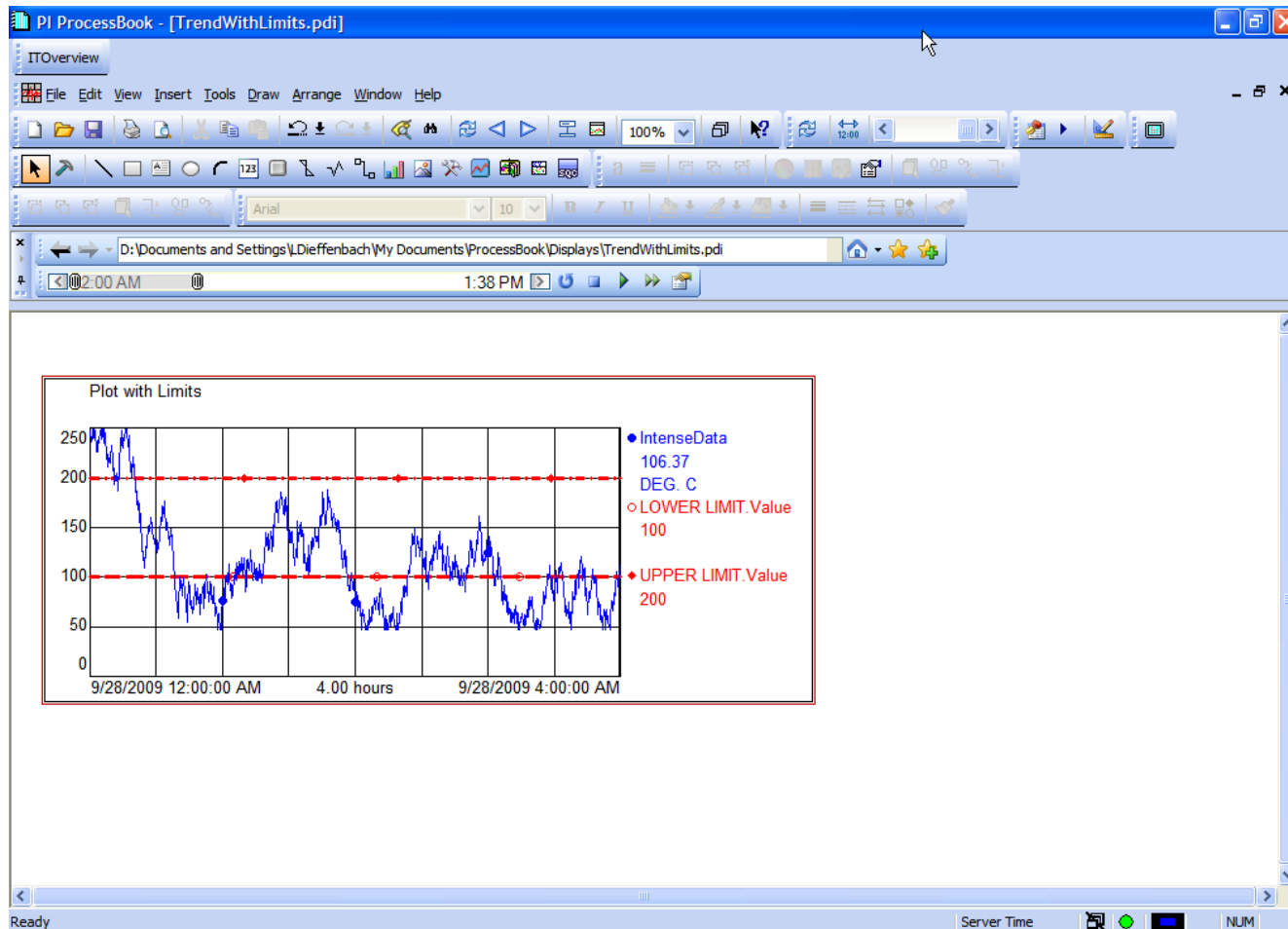
The "History" tab is also visible, but it is empty. The "WellHead.pdi" bookmark is highlighted with a red box.

The main window also features a toolbar with various icons for file operations, editing, and navigation. The status bar at the bottom indicates the current date and time as 7/1/2009.

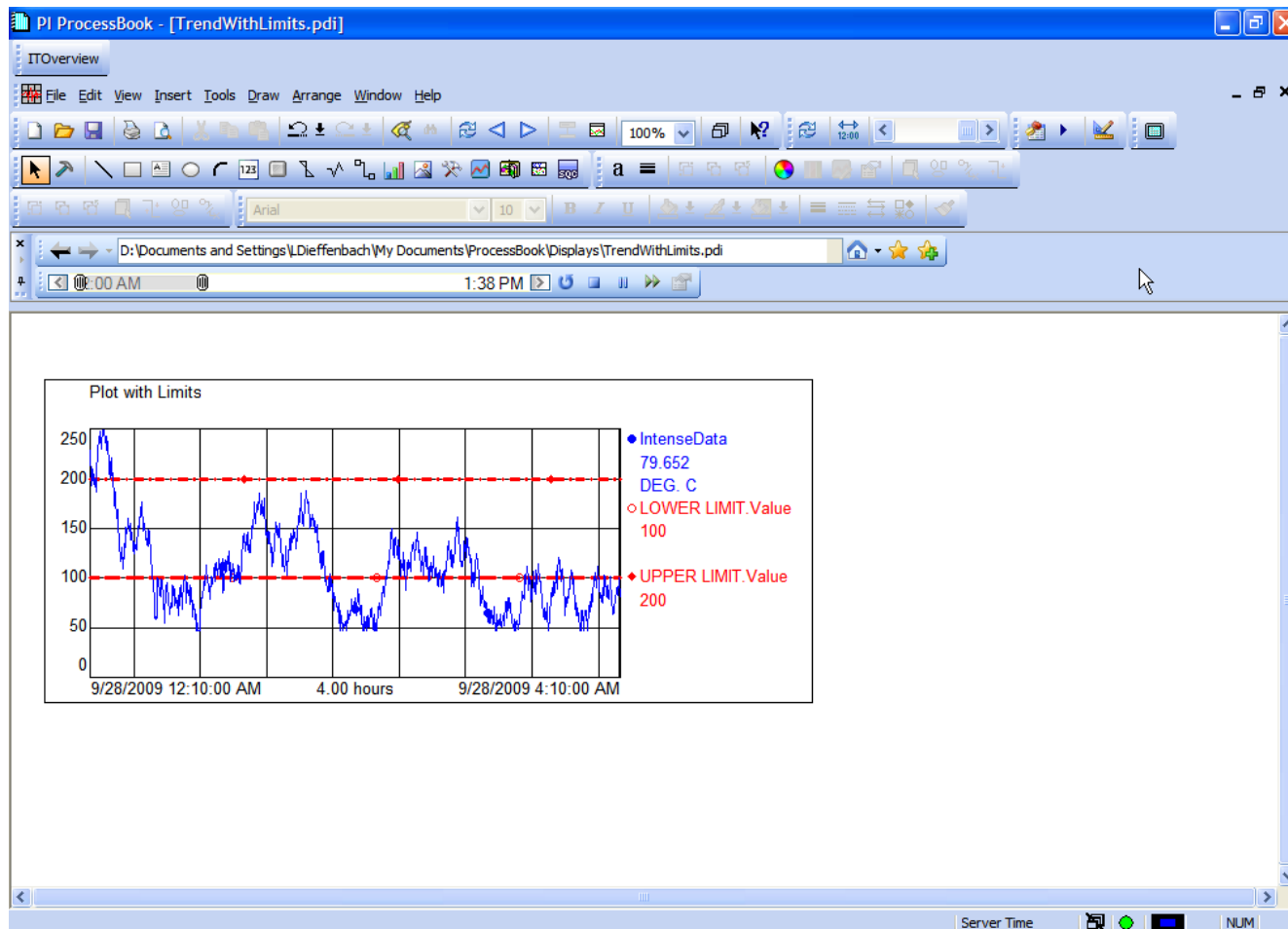
PB 3.2 - Office Communicator Integration



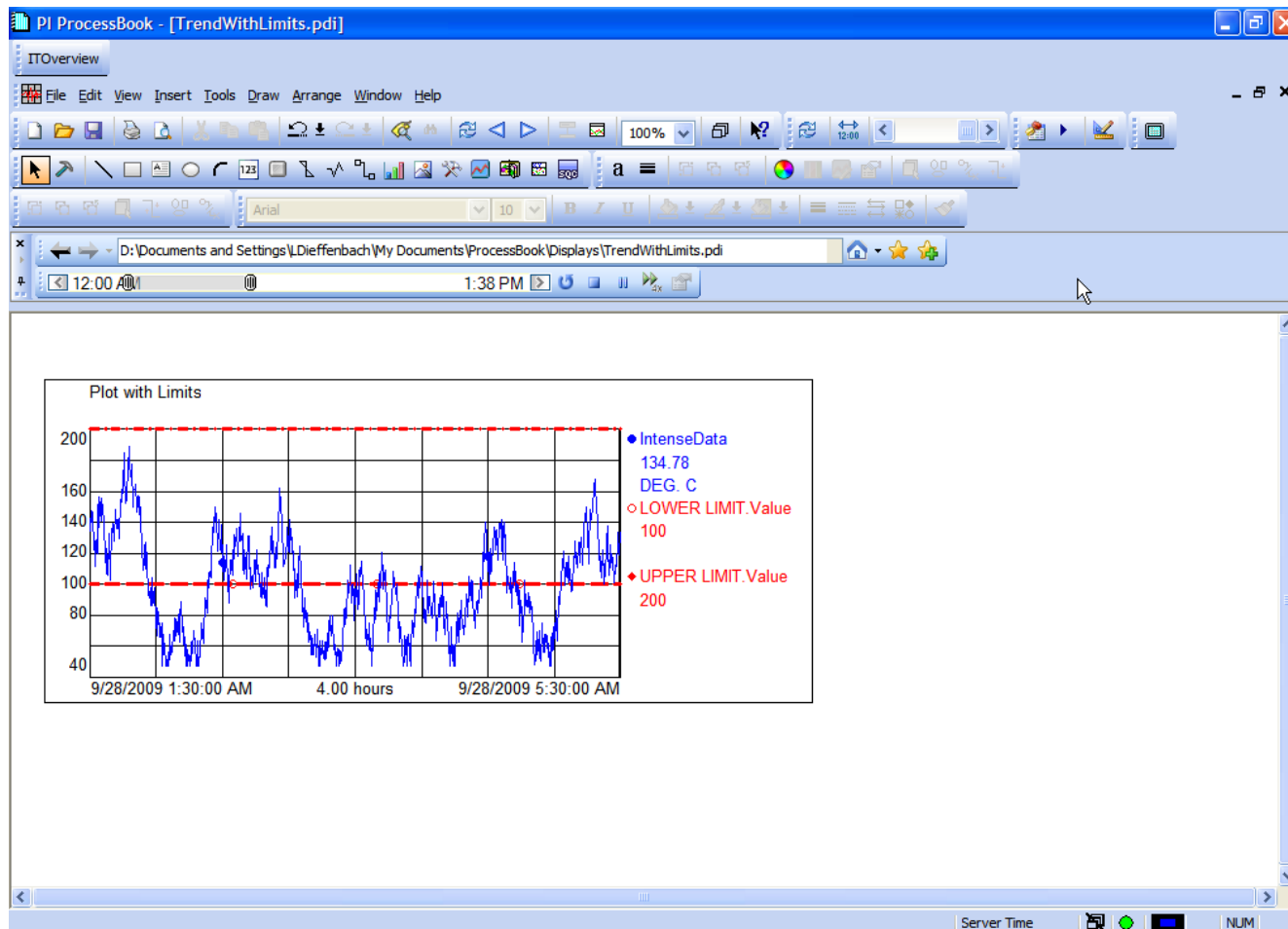
ProcessBook Playback Feature



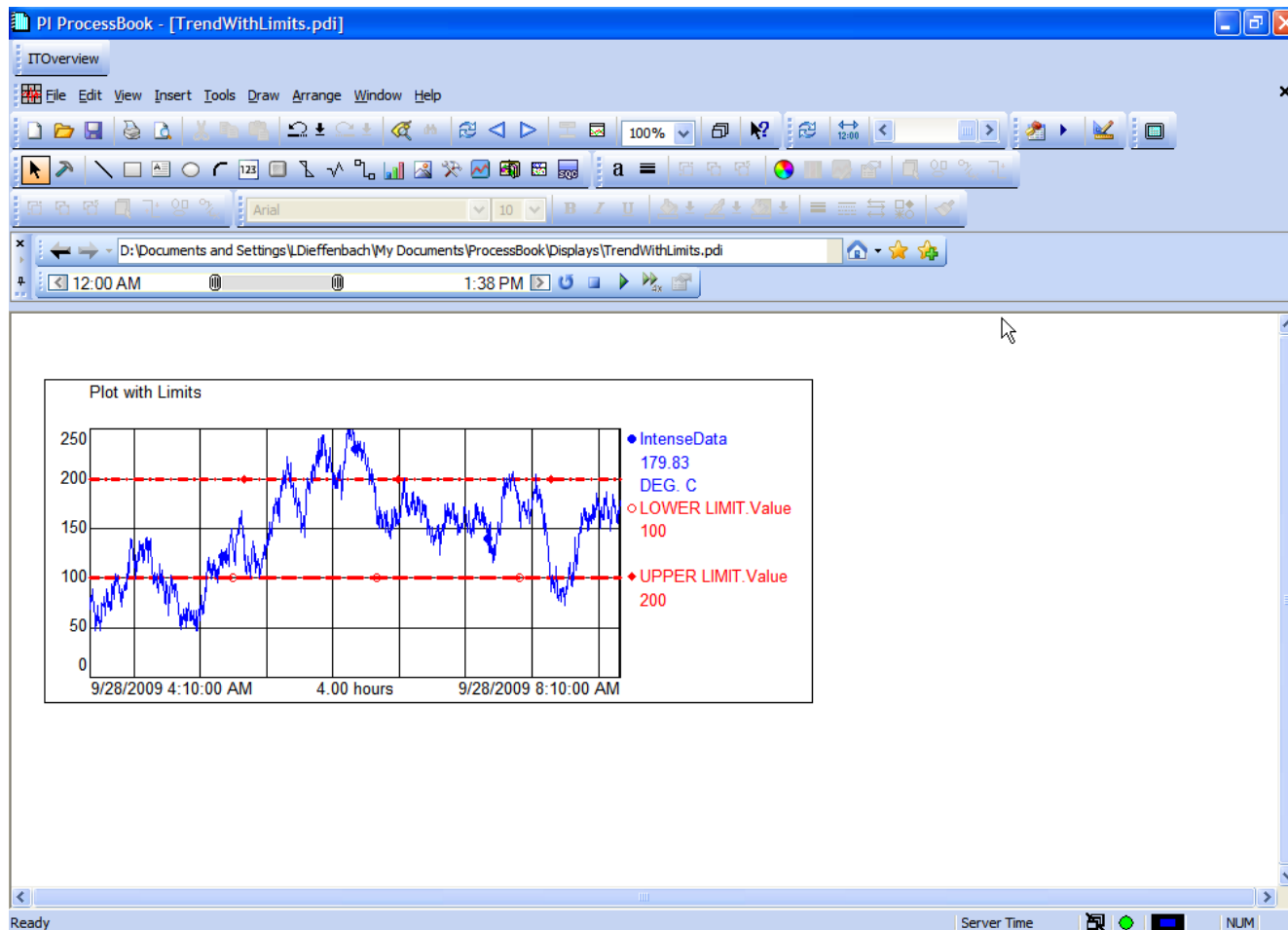
ProcessBook Playback Feature



ProcessBook Playback Feature



ProcessBook Playback Feature



ProcessBook Playback Options

Playback Options [X]

Time Ranges

Display Range:
*-4 Hour [v]

Playback Period

Start:
9/28/2009 12:00 AM [calendar icon]

End:
9/28/2009 1:38 PM [calendar icon]

Refresh

Refresh Rate (Sec):
5 [spinners]

Speed:
1 [spinners] Minutes [v] Per Second

OK Cancel Help

PI DataLink

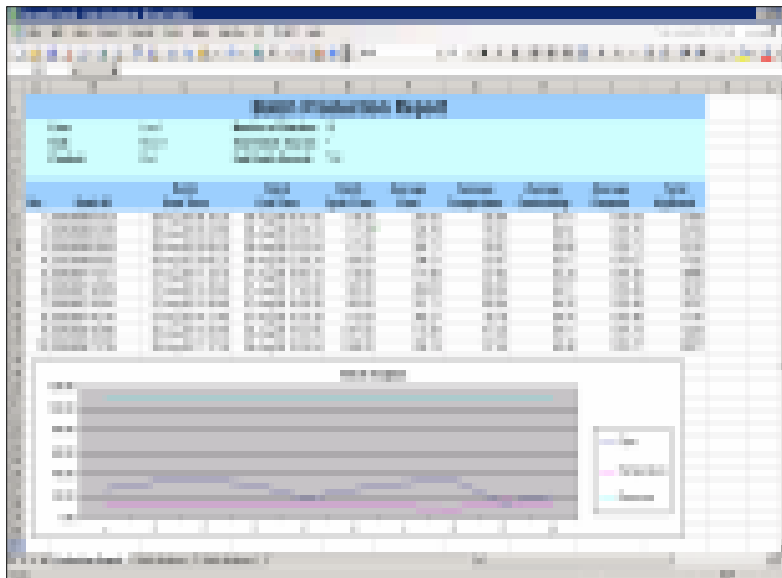


PI DataLink:

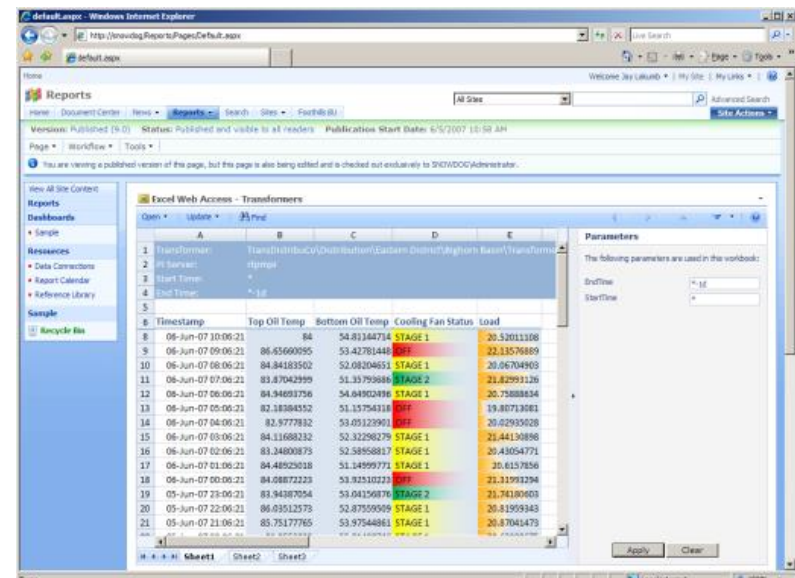
- Excel add-in for access to real-time and historical PI data

PI DataLink for Excel Services (DLES):

- DataLink spreadsheets on the Web



DataLink



DataLink for Excel Services

- DataLink 4.1 (*Released*)
 - Support for automatic updating
- DataLink for Excel Services 4.1 (Released December 2009)
 - Support for 64-bit SharePoint 2007
- See “OSIsoft Products and Office 2007 Compatibility FAQ” on Tech Support site
- PI DataLink 2010 (1H 2010)
 - Support for Office 2010
 - Better Business Intelligence Support

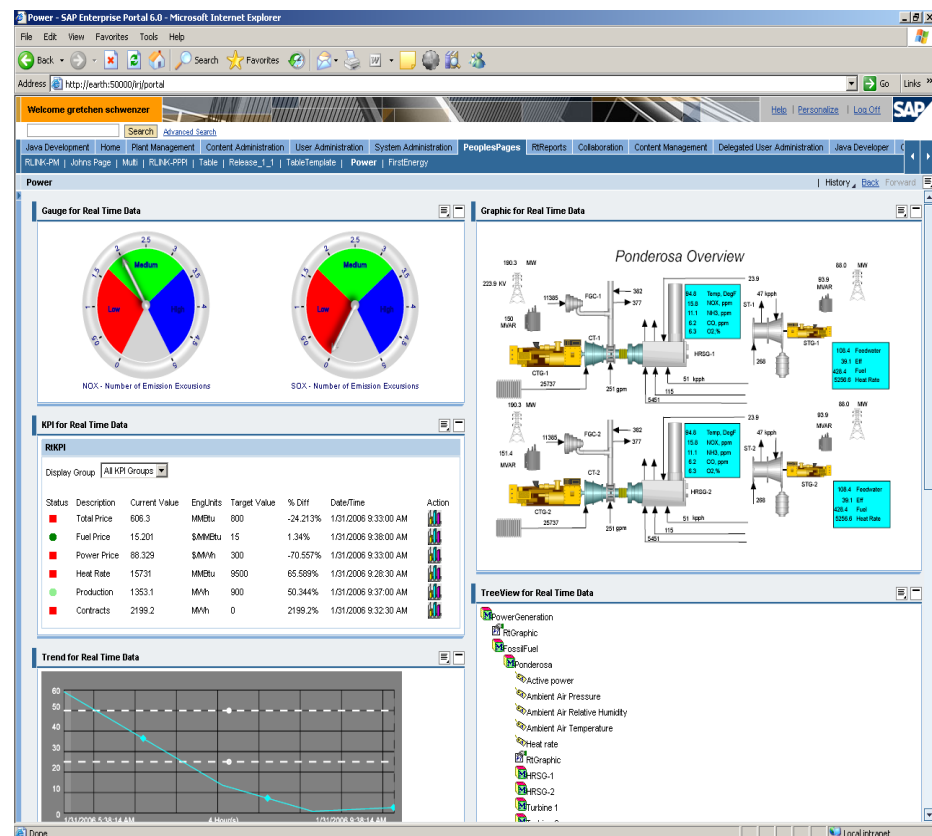
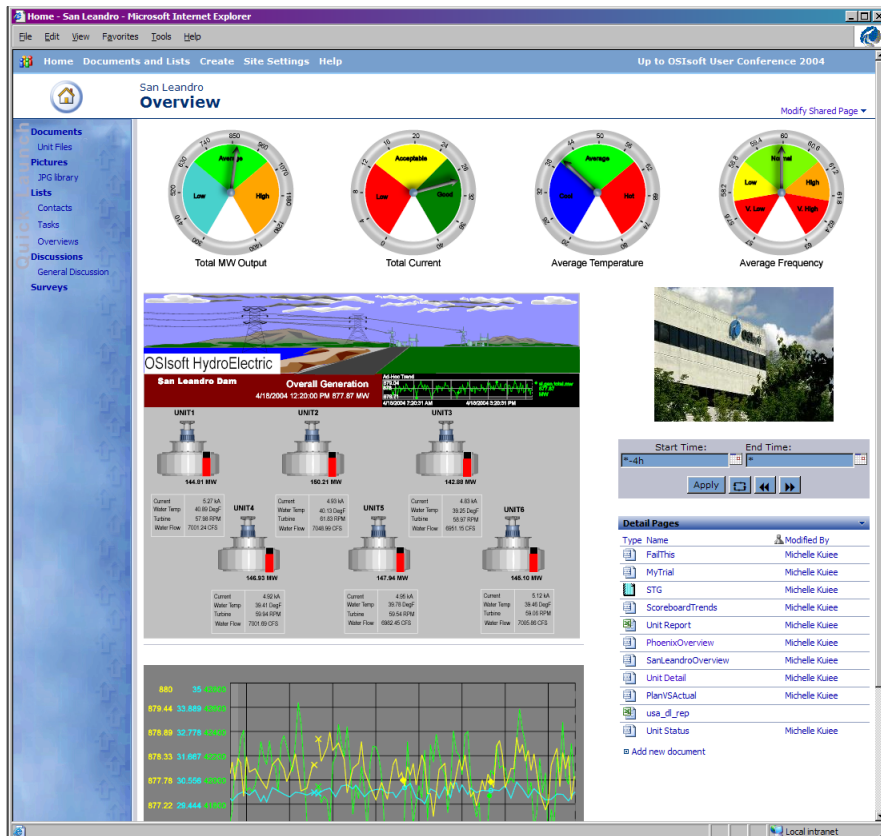
PI WebParts



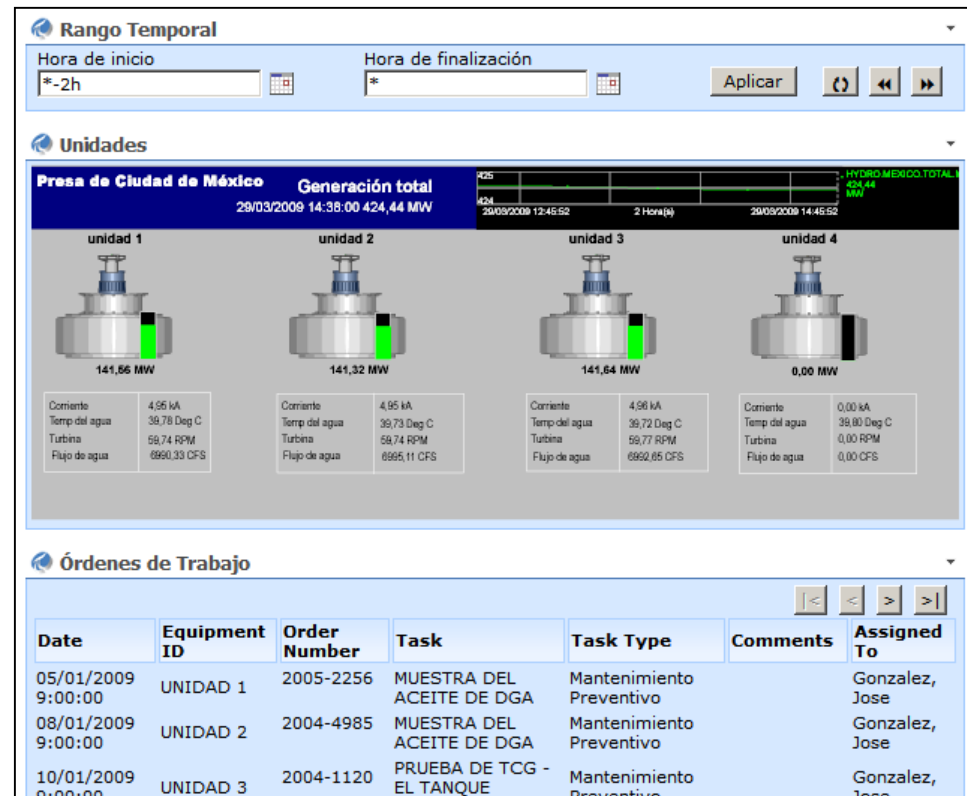
PI Web Parts - Typical Uses



- Integration and Collaboration
- Access to Process Information
- Analysis and Reporting



- RtWebParts 2.2 (September 2008 - *Released*)
- PI Web Parts 3.0 (December 2009 - *Limited Release*)
- 8 Language Packs (*Released* for 2.2, 3.0 in April 2010)
 - Japanese
 - Simplified Chinese
 - Korean
 - French
 - Brazilian Portuguese
 - German
 - Spanish
 - Russian



- PI WebParts 3.0 (Released in December 2009)
 - Product officially rebranded PI WebParts
 - Support for 64-bit operating systems (server side)
 - Support for AF
 - No Support for MDB
 - Fine for AF applications, but MDB based apps must wait
 - PI Enterprise Server 2010 will provide MDB->AF support necessary if you rely on MDB access in Web Parts
- PI Web Parts 2010 (1H 2010)
 - Support for Office 2010
 - Support for MDB via PI Enterprise Server 2010
 - Both AF and MDB customers

■ Major Release
▲ Minor Release

OSIsoft Product Roadmap

Oct09 Nov09 Dec09 Jan10 Feb10 Mar10 Q2 2010 2H 2010

Client

Desktop

ProcessBook (3.2)

DataLink (4.1.1)

Manual Logger (2.3.x)

ProfileView (2.2.x)

Web

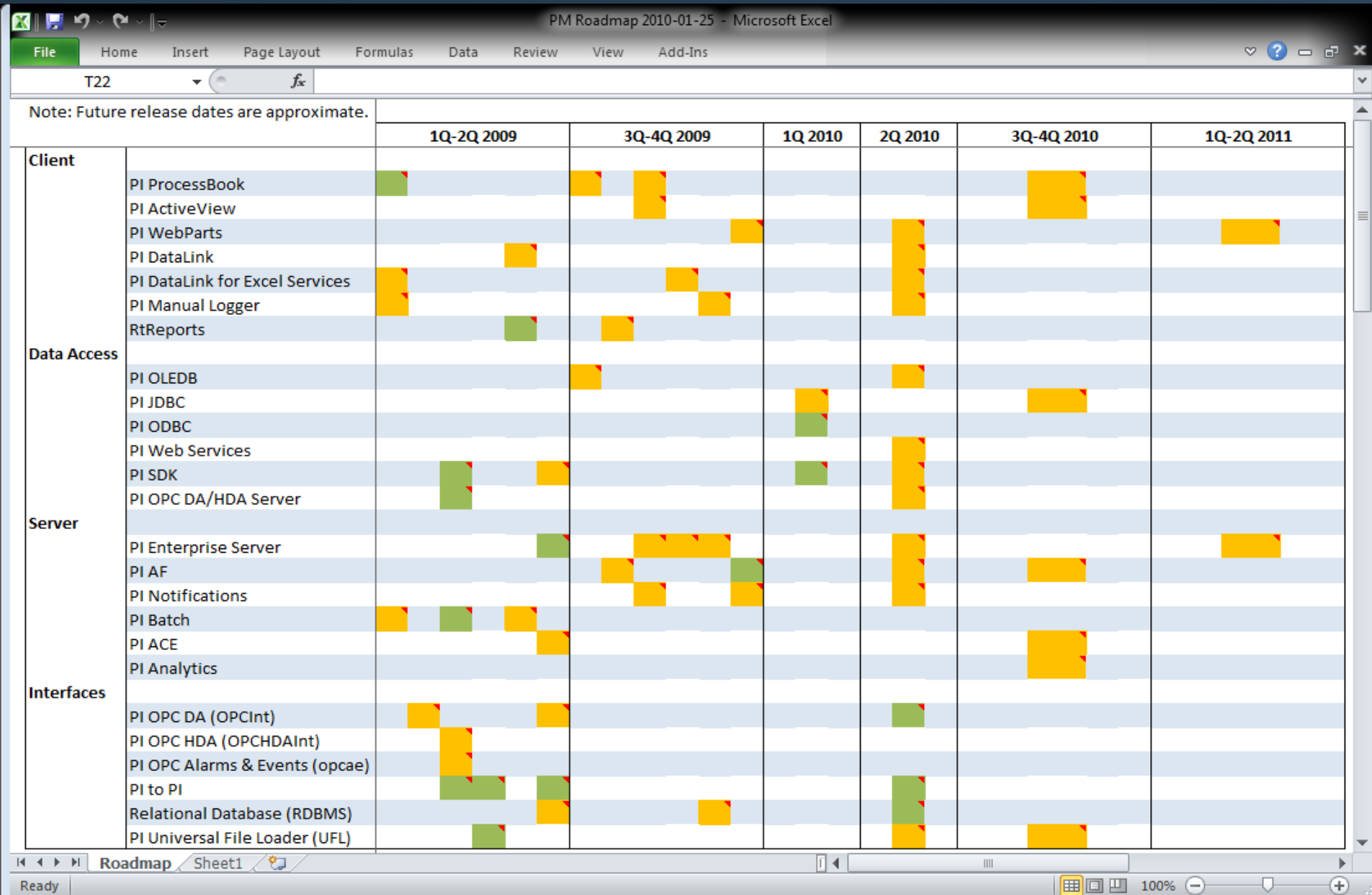
PI WebParts (3.0.x)

ActiveView (3.2.x)

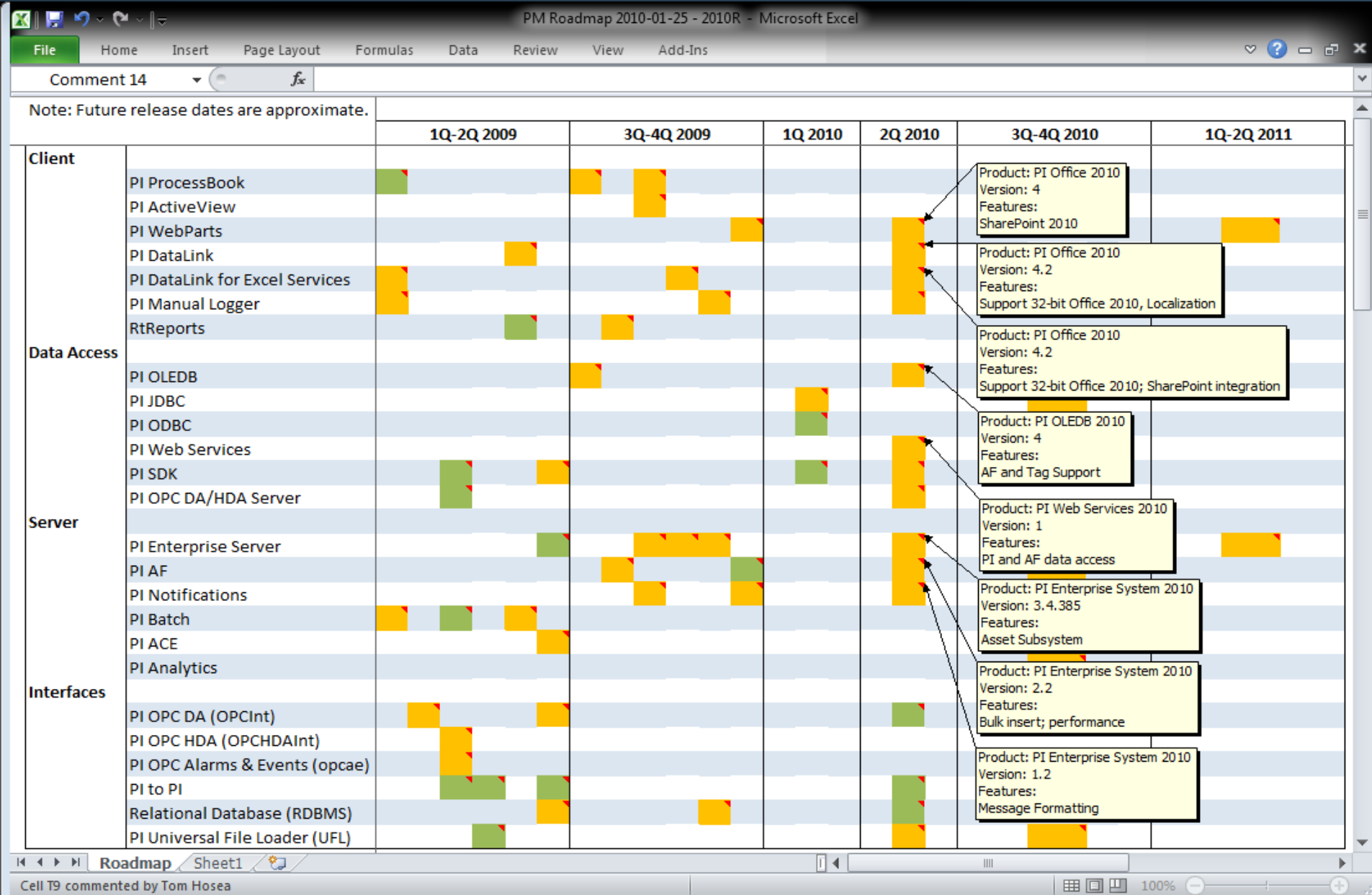
DataLink Excel Services (4.0.3)



PI Roadmap 2009-2010



PI Roadmap 2010 Office Wave



Server:

- PI Server 3.4.380 - *Released* September 2009 (Security)
- PI AF 2.1 - September 2009 (64-bit, HA) *Released*
- PI Notifications 1.1 - *Released* September 2009 (OCS, Templates)
- PI Enterprise Server 2010 - 2Q 2010 (MDB to AF)
- PI Web Services 2010 and PI OLEDB 2010 - Tags and AF

Clients:

- PI ProcessBook 3.2 - *Released* September 2009 (AF relative displays, Usability)
- PI WebParts 3.0 - *Released* December 2009 (64-bit, AF Support)
- PI DataLink 4.1 for Excel Services (64-bit) - *Released* December 2009
- PI Office 2010
 - PI WebParts 2010 and PI DataLink 2010



Thank you

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