

PI System Roadmap – New and on the Way

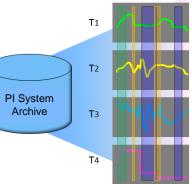
Presented by OSIsoft

Agenda and Expectations

- This presentation assumes:
 - You know the PI System basics
 - You want to hear about what is coming to the PI System in the >6 month horizon
- Very few specific dates
- All information is subject to change
- We want your feedback and suggestions!

PI System Themes - Future









Asset Centric PI System Manage data via Asset context – Reuse many times

Event Frames

Identify and use important events and related data

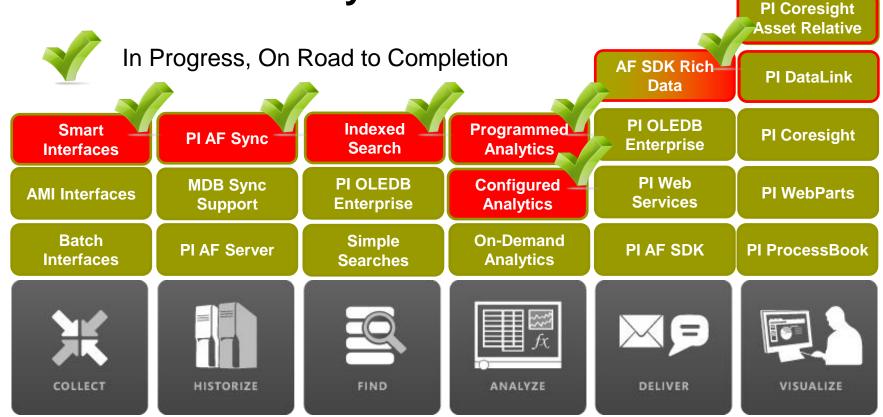
Mobile

Many Devices Touch Centric Role Focused

Cloud

More Data Access Anywhere Trans-Enterprise

Asset Centric PI System - Scorecard



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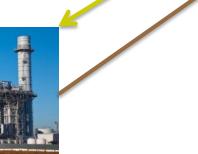
PI AF to PI AF Scenarios

- Implement corporate standards
- Ensure commonality across enterprise
- Configuration changes, updates
- PI Event Frames and data to support analysis and KPIs

Corporate HQ

Templates

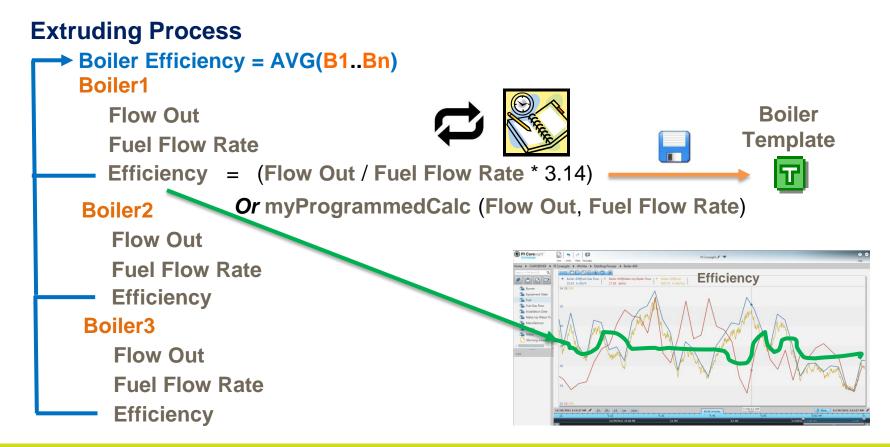






Project Abacus Configured and Programmed Calculations for PLAF

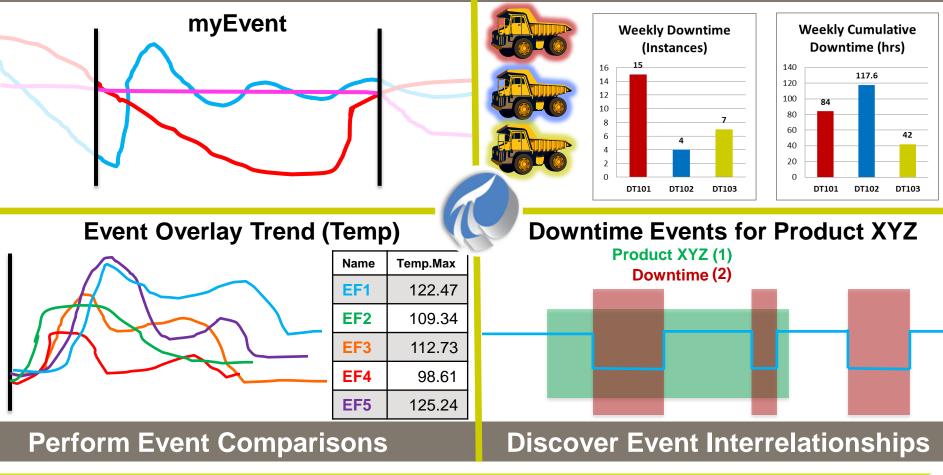
Project Abacus Use Case



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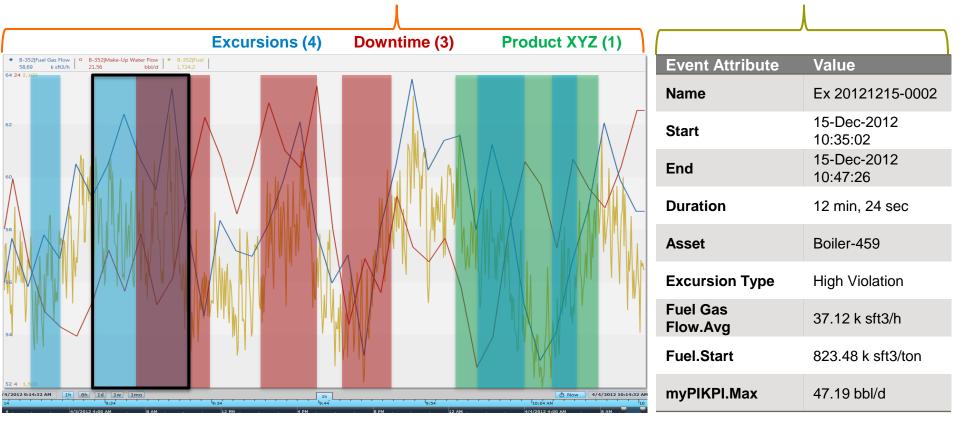
Simplify Data Analysis

Perform Asset Comparisons



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PI Event Frames is a core capability of the PI Server to record important process or business events and help you find the related data.



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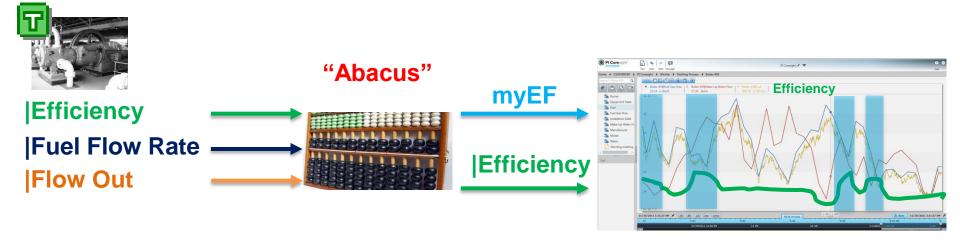


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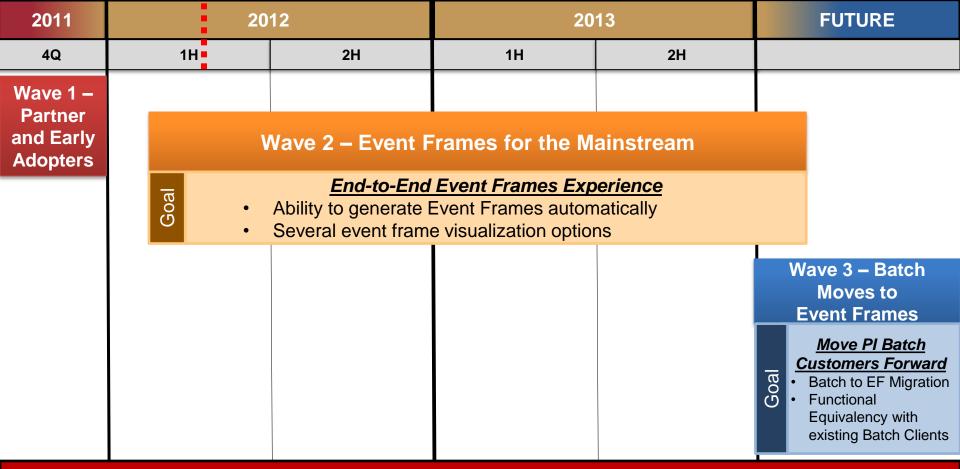


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Event Generation in Abacus

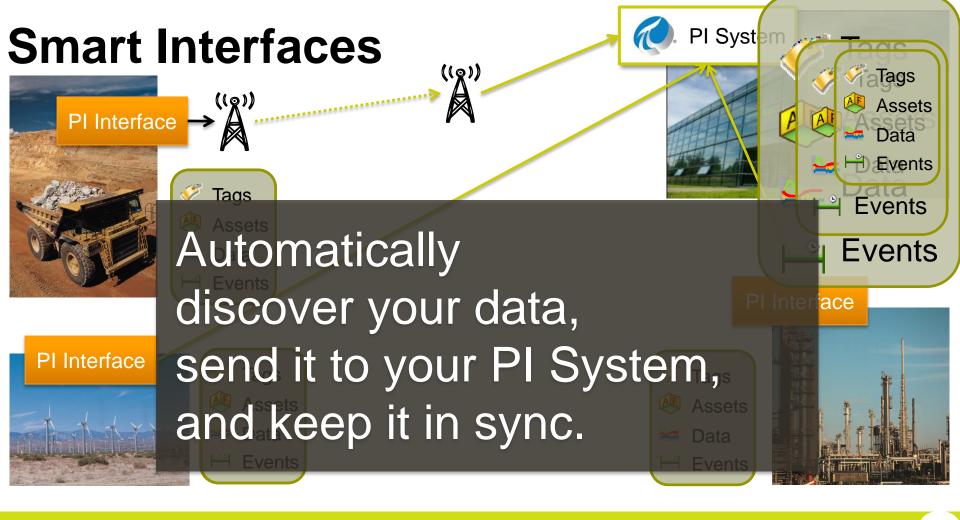


Efficiency = (Flow Out / Fuel Flow Rate * 3.14)
myEF.Start = (Efficiency > LIMIT)
myEF.End = (Efficiency < LIMIT) AND (Fuel Flow Rate > 80)



NOTE: Future dates are subject to change. Last Updated: 04-2012

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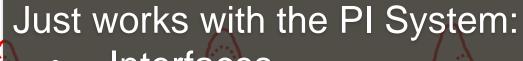


Find - PI System Search

- Optimized Search Engine for the whole PI System
 - And perhaps related systems
- Indexed for high performance
- Weighted / Ranked Results
 - Helps you find things more easily
- Can crawl many PI System machines
- Includes client artifacts
 - PI ProcessBook Displays, PI Coresight Displays
- Common User Experience

Future Data Coming – Next PI Server

Data	
Load Curve (Actual)	
Load Forecast (Predicted)	



- Interfaces
 - Analytics
 - Data Access
 - Visualization

15

time

PI Data Access, longer-term

PI System SDK

A single high performance SDK that allows you to access all PI System data

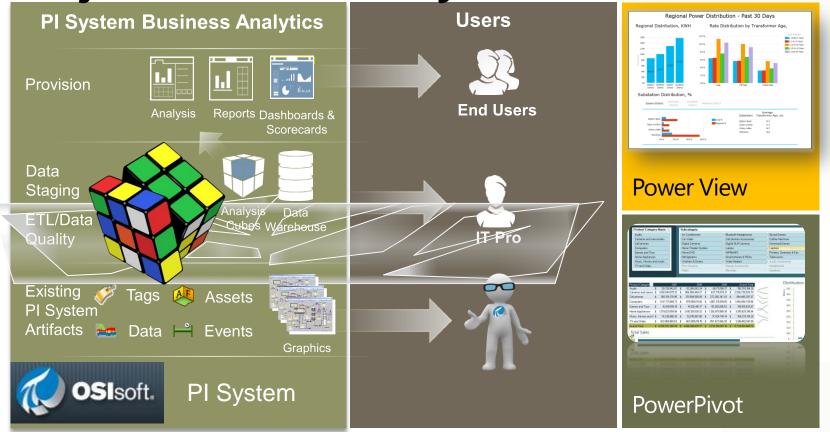
RESTful Web Services

Emerging web service standard, ideally suited for mobile and cloud

Integration Services

Makes business system integration easy, not just possible (ERP, BI)

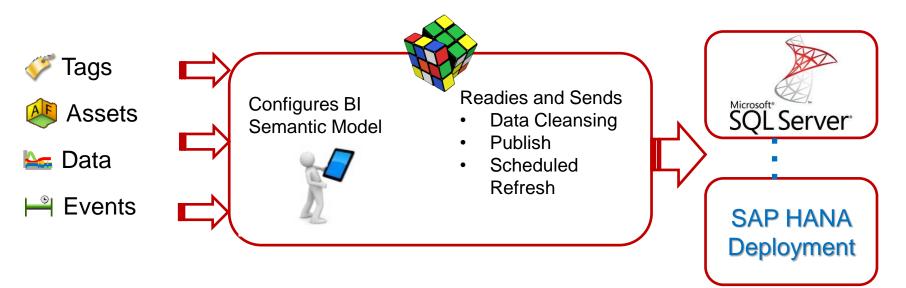
Project Rubik – Why?



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Project Rubik

- Bridge the gap between PI System experts and BI Users
- Allow PI System expert to select the data
- Leverage BI Visualization Tools from Microsoft, SAP (and others)



Visualization Landscape



Pl Coresight: Ad Hoc Analysis & Collaboration





PI ProcessBook: Display authoring and Process monitoring

PI WebParts: Composite Apps, Shared broadly



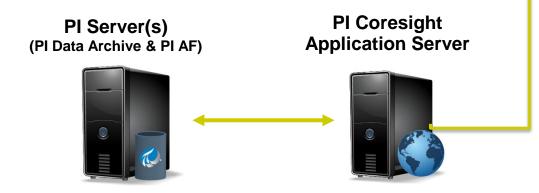
PI DataLink: Reporting and table based analytics in Microsoft Excel

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PI Coresight with Mobile Clients





PI Coresight Tablet Edition – Target Audience

- Plant / Operations Management
 - Most likely to have iPad or similar device
 - Overview of how the plant/utility is running
 - Failures, Efficiency, KPIs, Actual vs Forecast
- Process Engineers / Corporate Planners
 - Identifying problems
 - Optimize processes plant to plant
 - Create Content / Displays for management
- Maintenance
 - Manual Data Entry / Problem Recording
 - Troubleshooting documents and real-time
 - Calibration



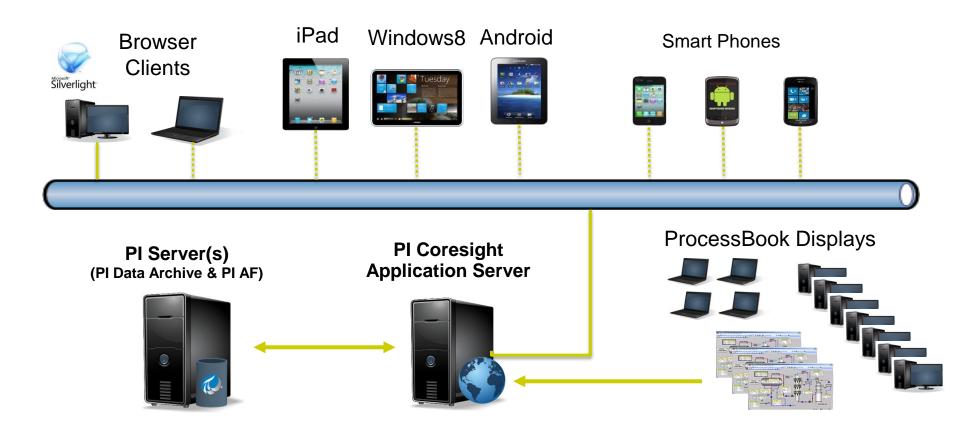




PI Coresight Phone Edition – Target Audience

- Check in with Plant from Home / Road
- Tell me if something is wrong!
- Focus on Notifications, Acknowledge, Dispatch, and Escalation
- Give me some basic data related to notification
- Outside of plant 3G, 4G, or public WiFi
- Personalization

PI Coresight – ProcessBook Display Viewer



PI WebParts 2012

- Support for SharePoint 2010 and SharePoint "15"
- Become a better SharePoint corporate citizen
- Become a more "IT" friendly product
- Replace obsolete technology
- Set the stage for OS and Browser independence, Mobile



- Remote Data Services
- WSP Installs
- Can leverage Adobe SVG Viewer if needed
- Support for IE 8



- Remote Data Services
- WSP Installs
- Visualization using Web Standards
- Support for IE9, IE10, Firefox, and Chrome

Evolution of Operating Systems



PI Cloud Initiatives

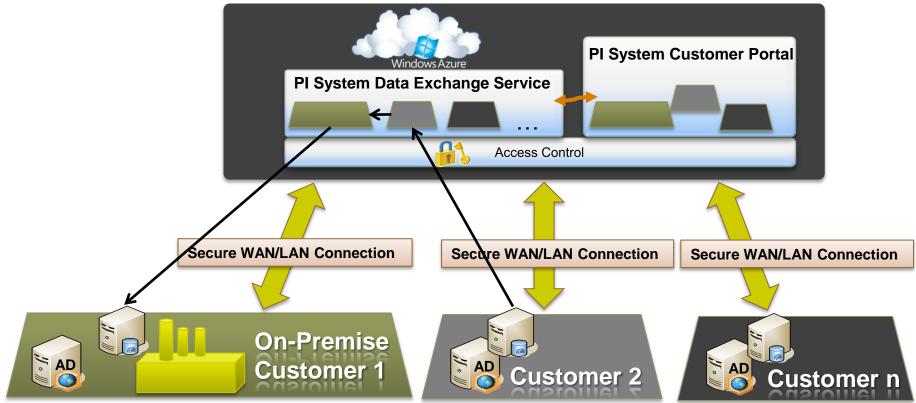
Add to existing PI System installations

- PI System Management
- PI Data Exchange
- PI Coresight Service
- Data, Visualization and other services for Partner and Custom Apps

Full PI System Deployment in the Cloud

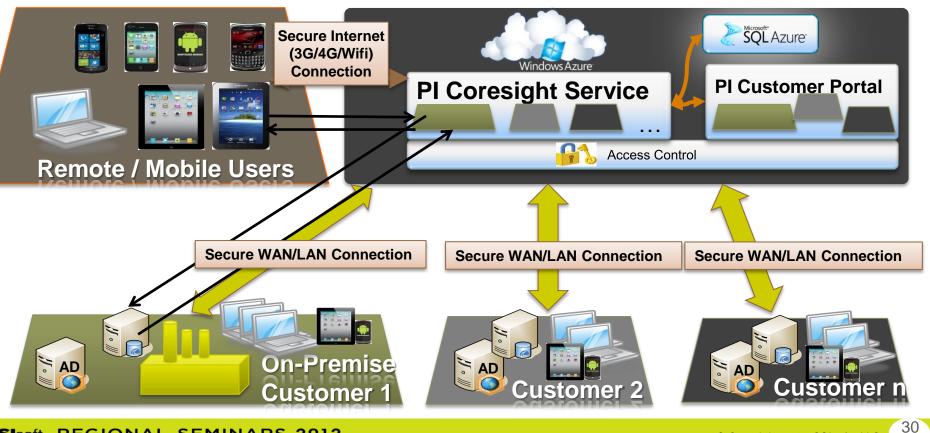
- Simplified Deployment and Management
- Take advantage of the Windows Azure Platform (PaaS)
- Functionality you know in the PI System today plus much more
- Highly efficient and elastic

PI Data Exchange Service



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PI Coresight Service with Mobility



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Stay Up-To-Date on the Web

• PI System Roadmap on OSIsoft Technical Support Site

http://techsupport.osisoft.com/techsupport/NonTemplates/roadmap.aspx

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