

# PI System Roadmap – New and on the Way

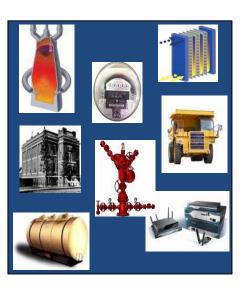
Presented by

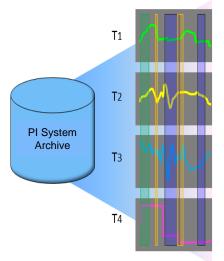
Tadeas Marciniak, Field Service and Customer Support EMEA, OSIsoft

#### 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** 

PI Coresight **Asset Relative** In Progress, On Road to Completion AF SDK Rich PI DataLink Data PI OLEDB Indexed **Programmed Smart** PI Coresight PI AF Sync **Enterprise** Search **Analytics Interfaces** PI Web **PI OLEDB MDB Sync** Configured PI WebParts **AMI Interfaces Services Enterprise Analytics** Support Batch **Simple On-Demand** PI AF Server PI AF SDK PI ProcessBook **Interfaces Analytics Searches** ANALYZE COLLECT HISTORIZE FIND DELIVER VISUALIZE

#### PI AF to PI AF Scenarios

- Implement corporate standards
- Ensure commonality across enterprise
- Configuration changes, updates

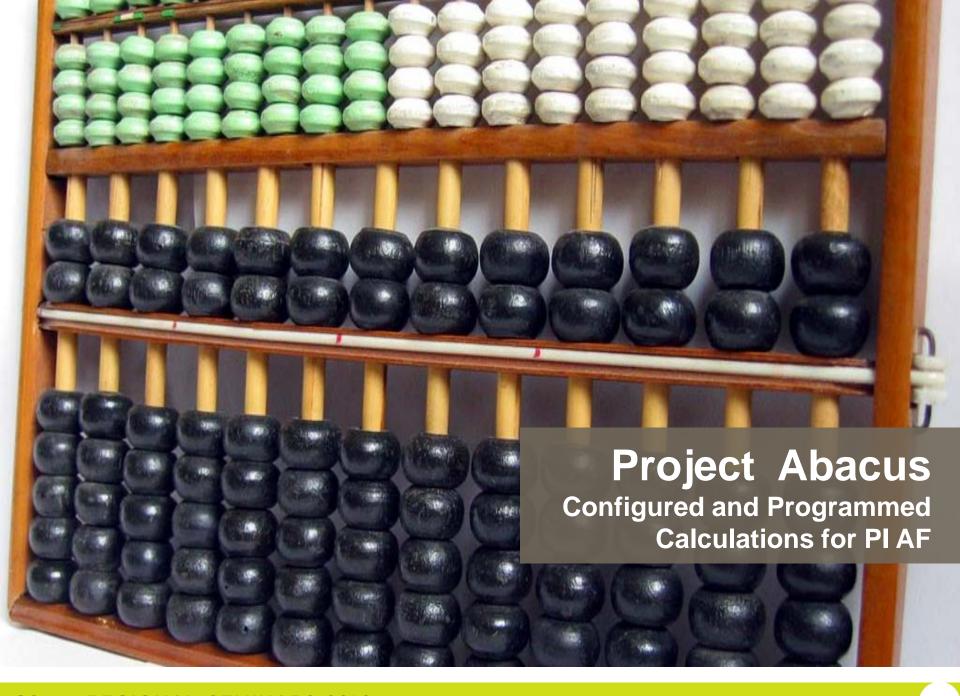
 PI Event Frames and data to support analysis and KPIs





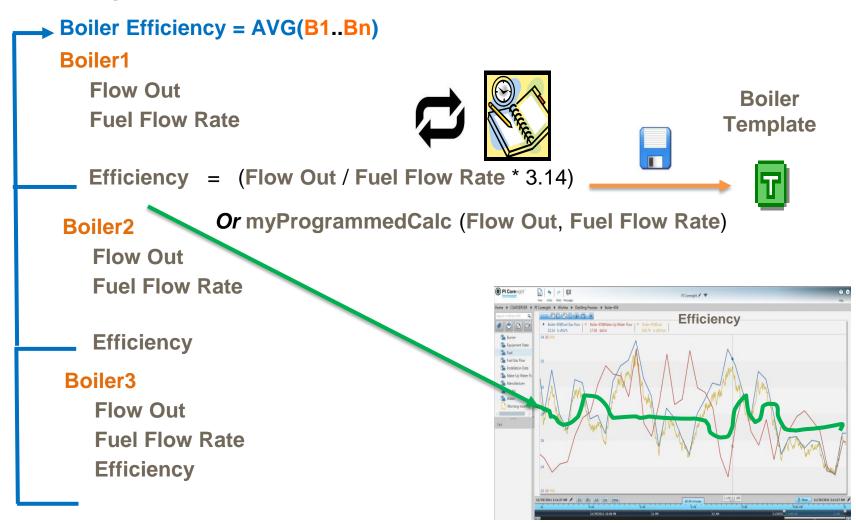




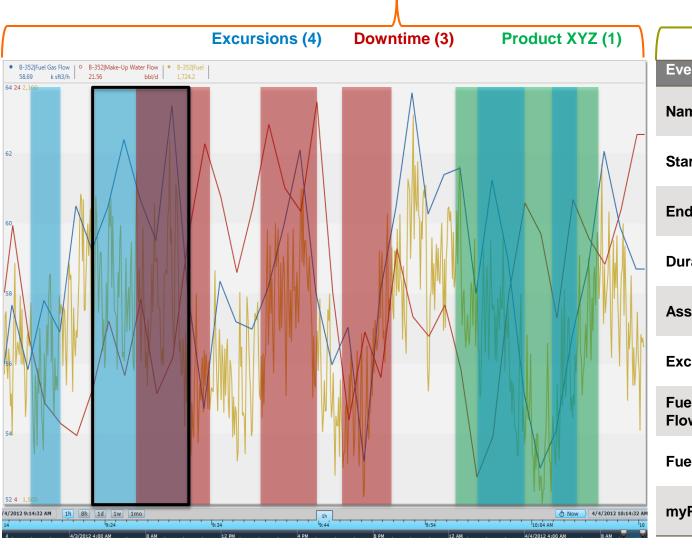


#### **Project Abacus Use Case**

#### **Extruding Process**

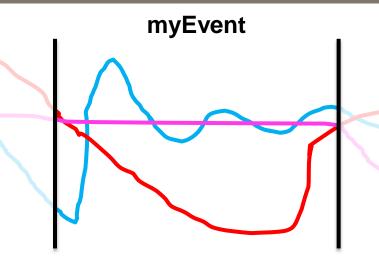


#### PI Event Frames is a core capability of the PI Server to record important process or business <u>events</u> and help you find the <u>related data</u>.



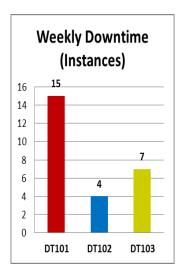
Event Attribute	Value
Name	Ex 20121215-0002
Start	15-Dec-2012 10:35:02
End	15-Dec-2012 10:47:26
Duration	12 min, 24 sec
Asset	Boiler-459
Excursion Type	High Violation
Fuel Gas Flow.Avg	37.12 k sft3/h
Fuel.Start	823.48 k sft3/ton
myPIKPI.Max	47.19 bbl/d

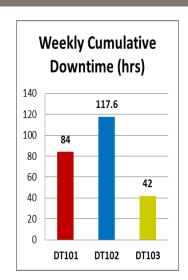
#### Simplify Data Analysis



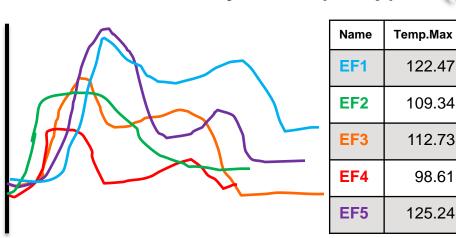
#### **Perform Asset Comparisons**





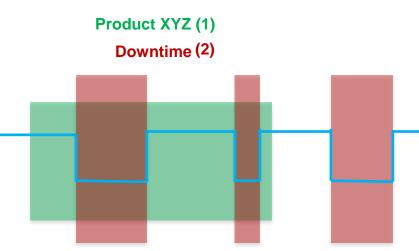


#### **Event Overlay Trend (Temp)**



#### **Perform Event Comparisons**

#### **Downtime Events for Product XYZ**



**Discover Event Interrelationships** 



#### EVENT FILTERS

Duration
Longer Than Than

0 m 200 m

#### **Category**

All None

- ✓ Excursions (4)
- ✓ Downtime (3)
- ✓ Product XYZ (1)

#### **Template**

All None

- ✓ Boiler Downtime (3)
- ✓ Boiler KPI
- Excursion (4)
  ✓ PlUnitBatch (1)

## Temp.Max Greater Less Than Than C 100 C



RelatedEvents2

? •

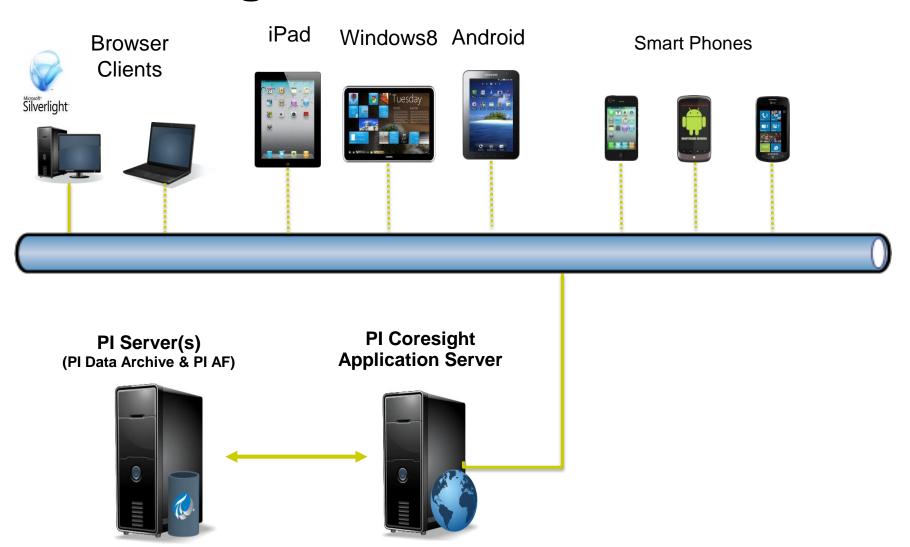
#### Find - PI System Search

- 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

#### Visualization Landscape



#### 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 Fore
- Process Engineers / Corporate Plan
  - Identifying problems
  - Optimize processes plant to plant
  - Create Content / Displays for manageme
- Maintenance
  - Manual Data Entry / Problem Recording
  - Troubleshooting documents and real-tir
  - Calibration







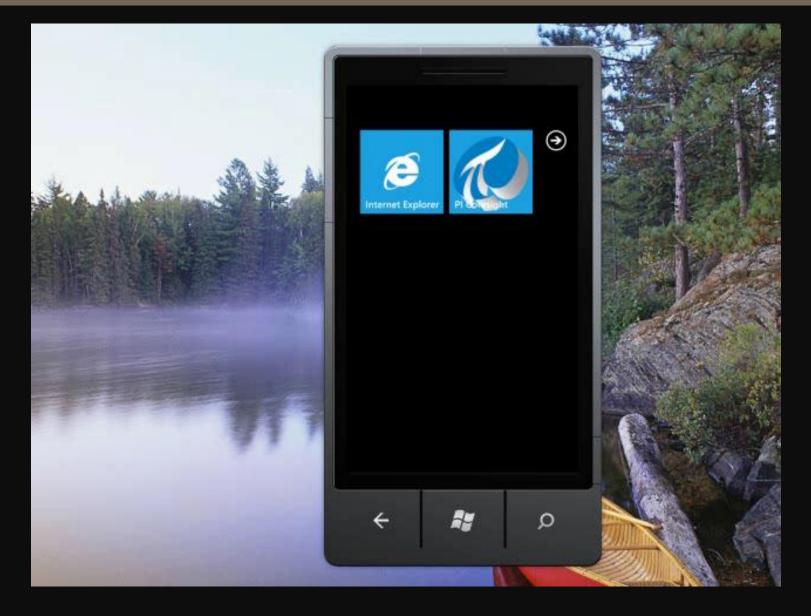
### PI Coresight Phone Edition – Target Audience

- 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

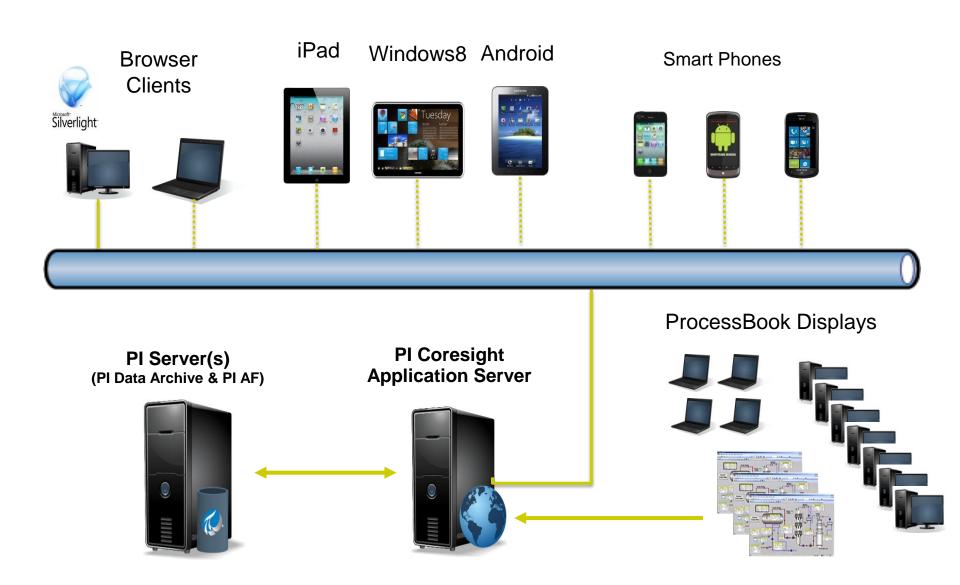
#### PI Coresight iPad Demo



#### **PI Coresight Phone Demo**



#### PI Coresight – ProcessBook Display Viewer



#### **Evolution of Operating Systems**



















#### PI Cloud Initiatives

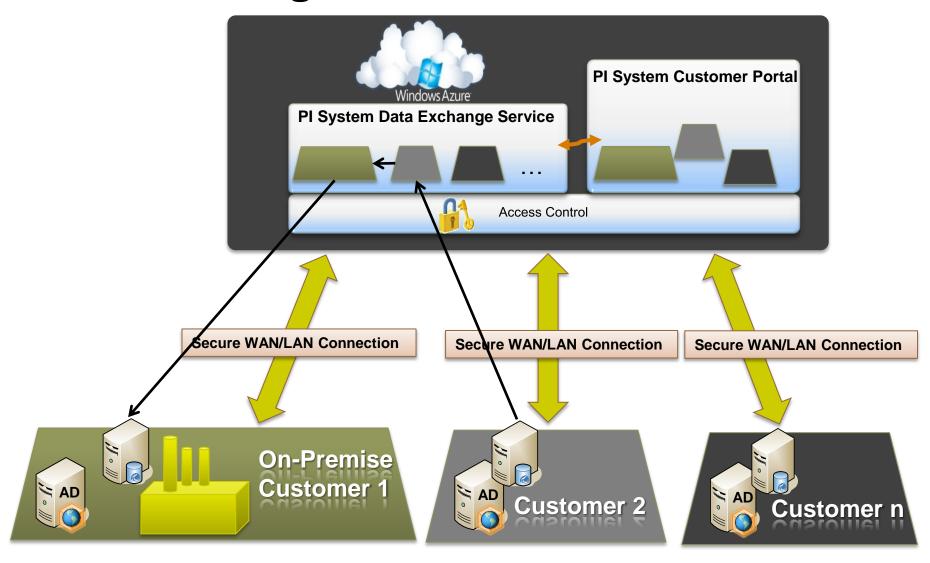
#### Add to existing PI System installations

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

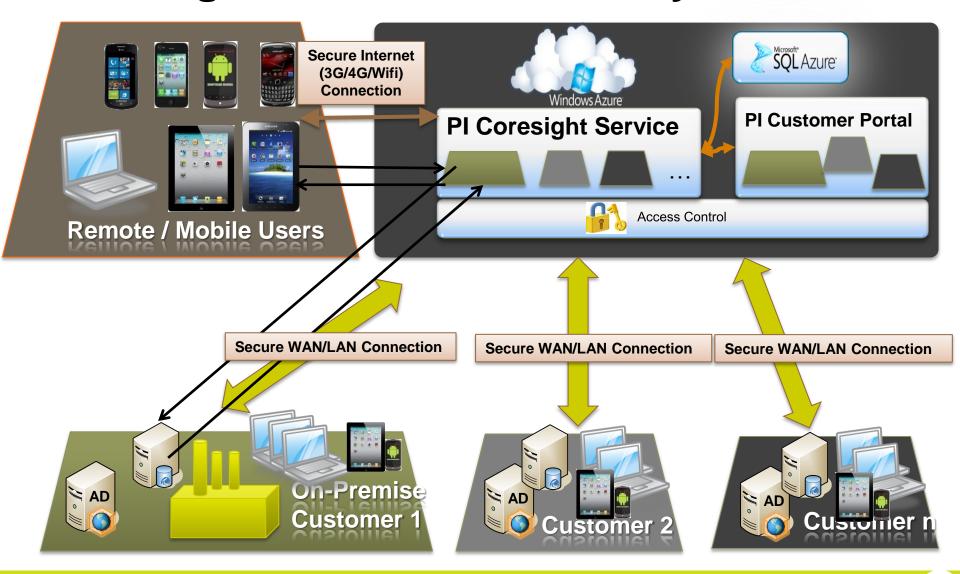
#### Full PI System Deployment in the Cloud

- 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



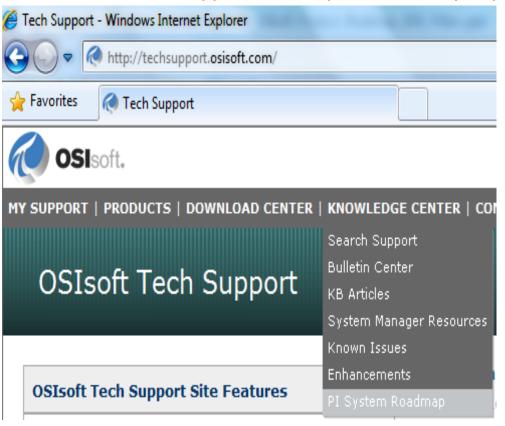
#### PI Coresight Service with Mobility



#### 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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## THANK

