



Presented by Stephen Kwan, Product Manager

Themes

- 1. Asset-based PI System
- 2. Event Frames
- 3. Future Data
- 4. Mobility/Visualization
- 5. Downstream Systems
- 6. Cloud Services

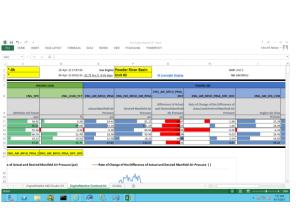
Theme 1: Asset-based PI System

An easier way to manage a PI System

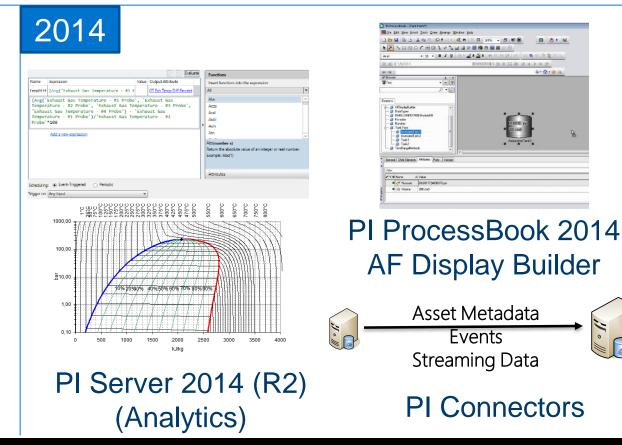
2013



PI Coresight 2013



PI DataLink 2013



Interface

Data Source

- Data
- Tags

Data Source

- Data
- Tags
- Assets
- Events

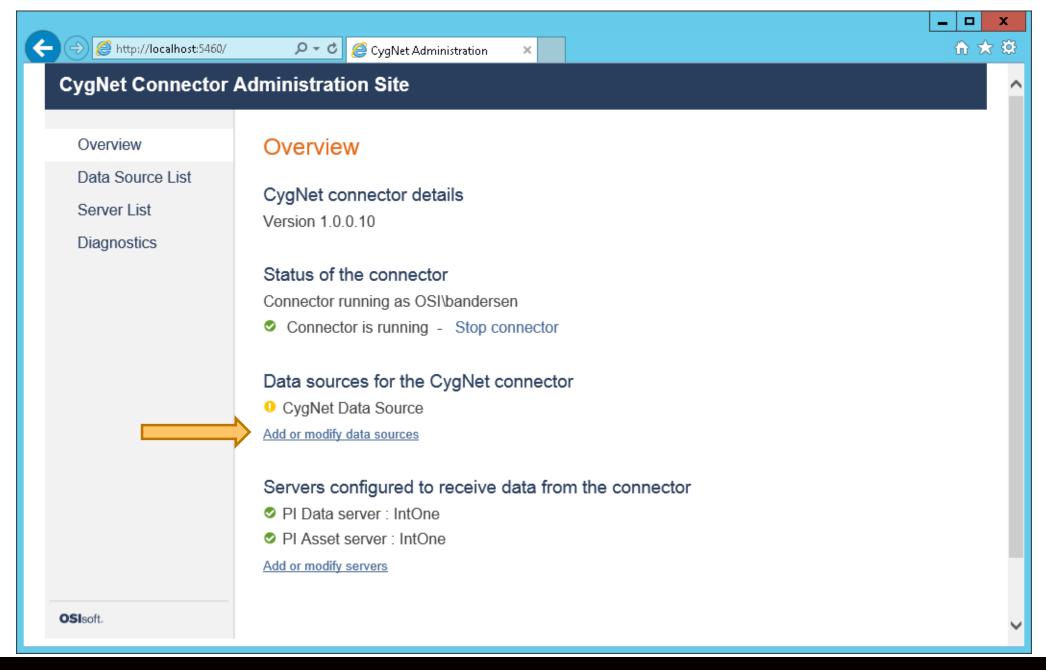
Connector

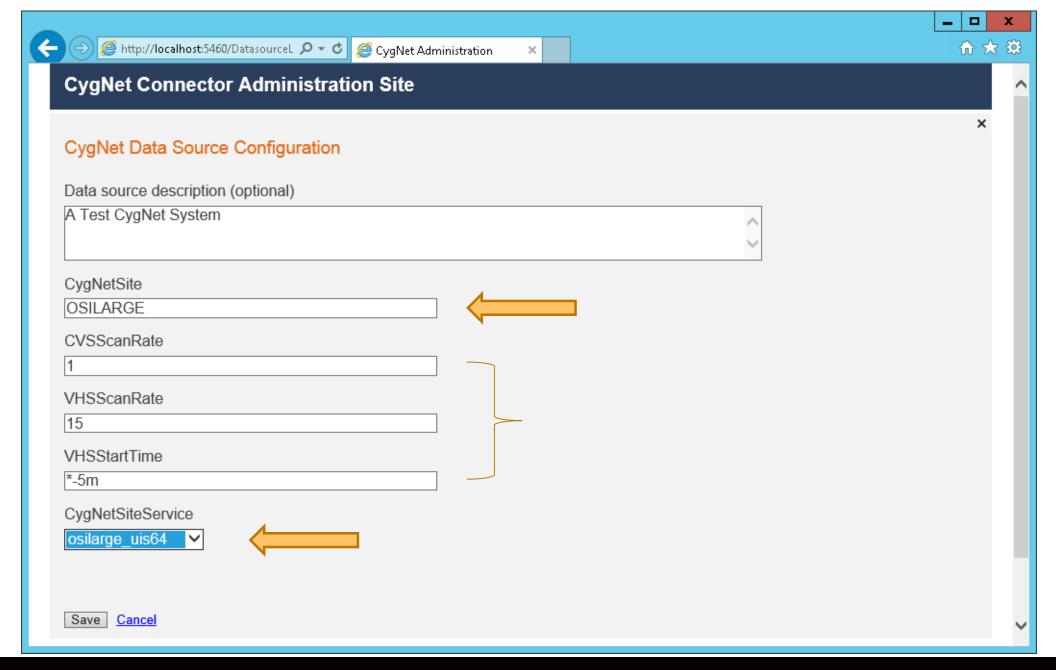
PI System

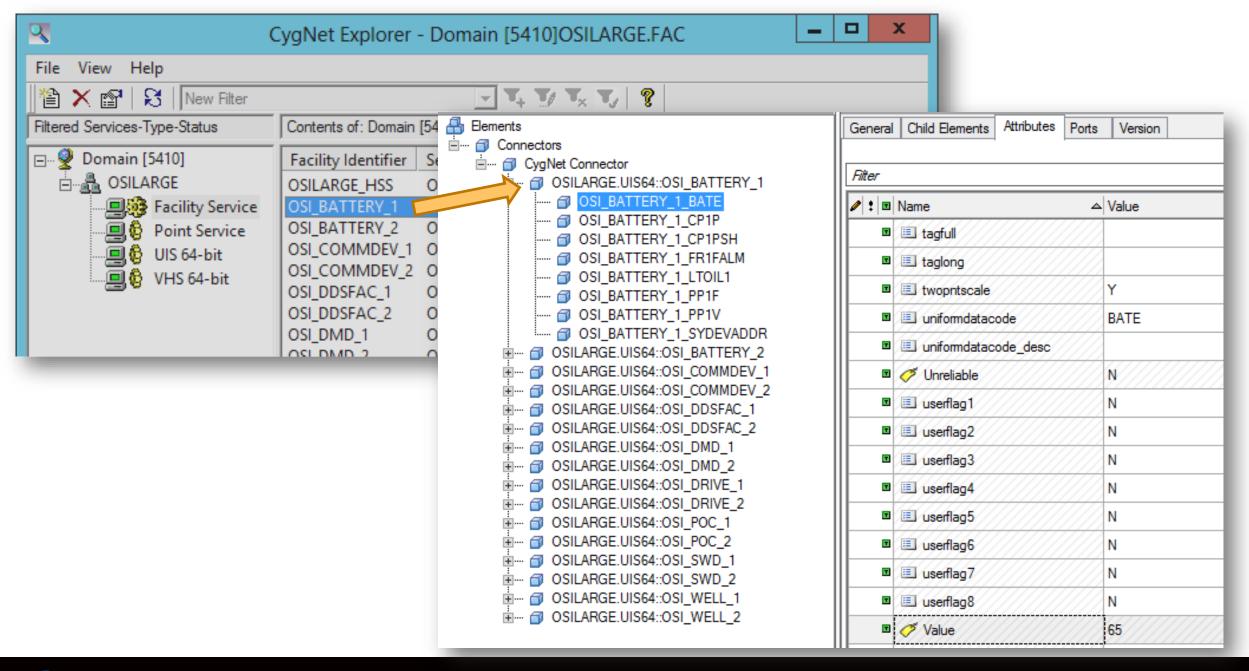
- Data
- Assets
- Events

Downstream System

Integrator







PI Connector for IPMI

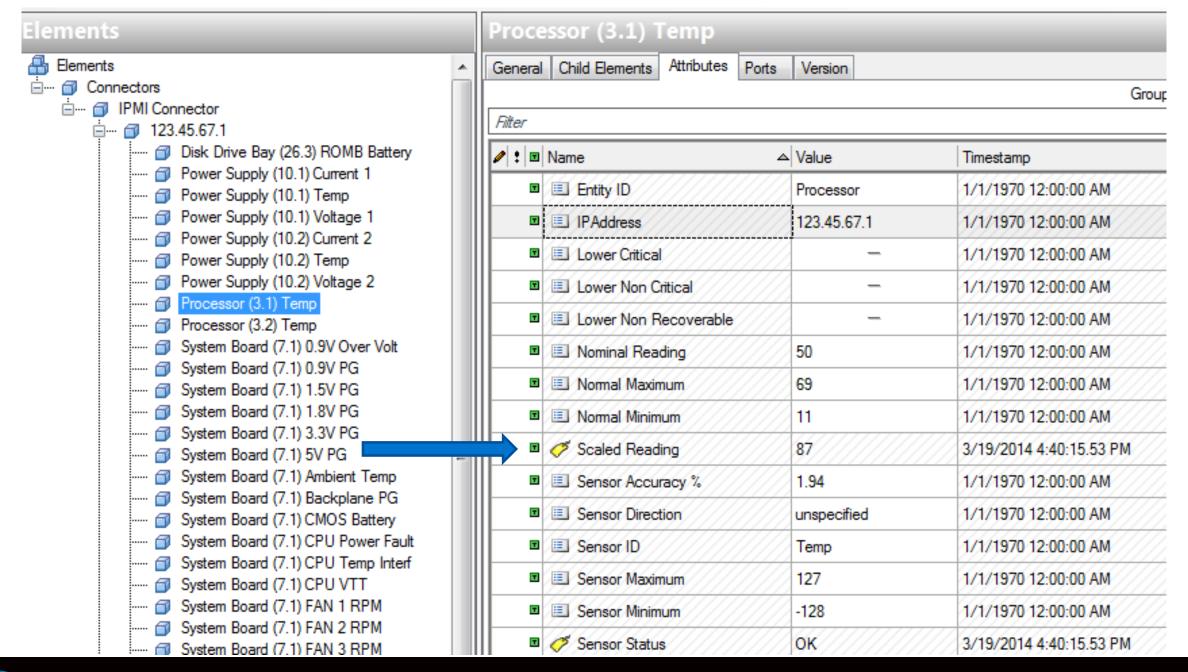
Intelligent Platform Management Interface (IPMI)

Monitors the health of the system hardware

Independent of main processors, BIOS, and OS

Available when the system is powered down







Programmatic Access for Asset-based Pl

- PI ODBC client
- PI Web API
- Programmable Analytics

Theme 2: Event Frames

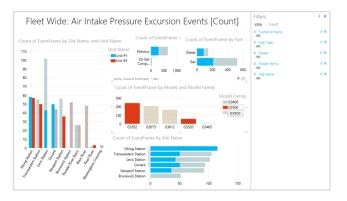
Capability of the PI System to record and analyze important process or business events

Industry	Event Frames	Value
Power & Utilities	Turbine Startups & Shutdowns	Respond to MW dispatch requests
Power & Utilities	Equipment failures	Increase grid reliability
Oil & Gas	Truck offloads into facility storage	Inventory Tracking
Oil & Gas	Pump vibrations, downtime, ramp ups	Safety, optimization, asset reliability
Pulp & Paper	Paper runs, grade changes	Reduce grade change time
Metals & Mining	Rolls of Aluminum	Quality, roll comparisons
Chemicals	Batches, processing steps	Equipment effectiveness
Life Sciences	Batches, unit procedures, phases	Product quality, regulatory



Event Frames

2013

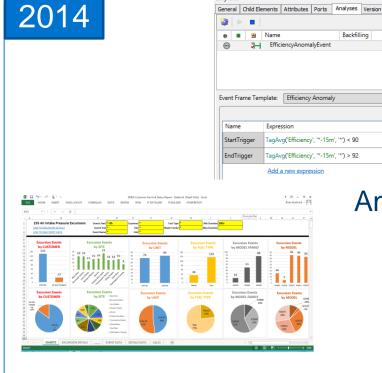


OLEDB Enterprise 2012



Coresight 2013

- PI Web Services
- BES/MES Interfaces
- > EF Generator



PI DataLink 2014

Analytics in PI Server 2014 (R2)

False

EfficiencyAnomalyEvent

Evaluate

Rollup

Event Frame Generation

For Batch Customers



Frame Migration in PI Server 2015

PI DataLink

- PI DataLink 2014
 - Event Frames functions
 - New filter function based on AF templates
 - Tag search enhancements
- PI DataLink Server 2014
 - Included with PI DataLink 2014 license
 - Will support Microsoft SharePoint 2010 and 2013
 - Release Q4/2014

Coming Soon for Event Frames

- PI DataLink Server 2014
- Overlay trend in PI Coresight
- RtReports
- PI Notifications
- Batch to Event Frame migration in PI Server 2015

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Theme 3: Future Data



Theme 4: Mobility/Visualization

- Web-based technologies
- Multiple devices for each user
- Notify you of exceptions instead of relying on monitoring

PI Coresight 2014

- Fast and easy access to PI System data
- PI ProcessBook display viewing in any browser
- New mobile web site designed for small screens and accessible on any device



Visualization Releases

- PI Coresight 2014
- Manual Logger 2014
- PI ProcessBook 2014
- PI WebParts 2013 SP1

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connector

PI System

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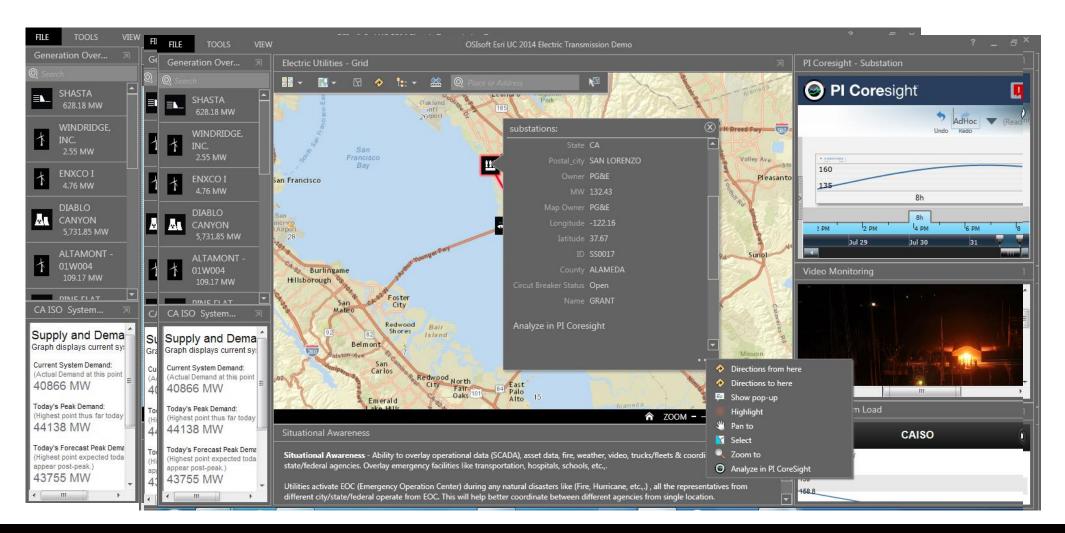
Downstream System

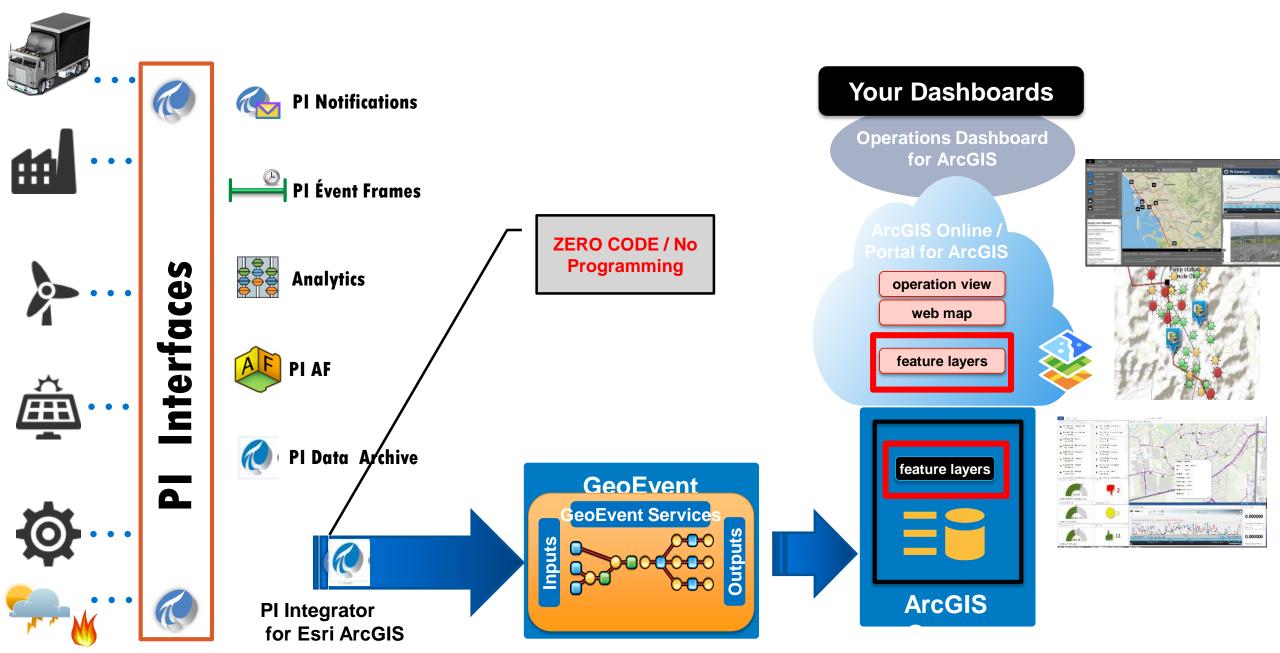
Integrator

Downstream Systems

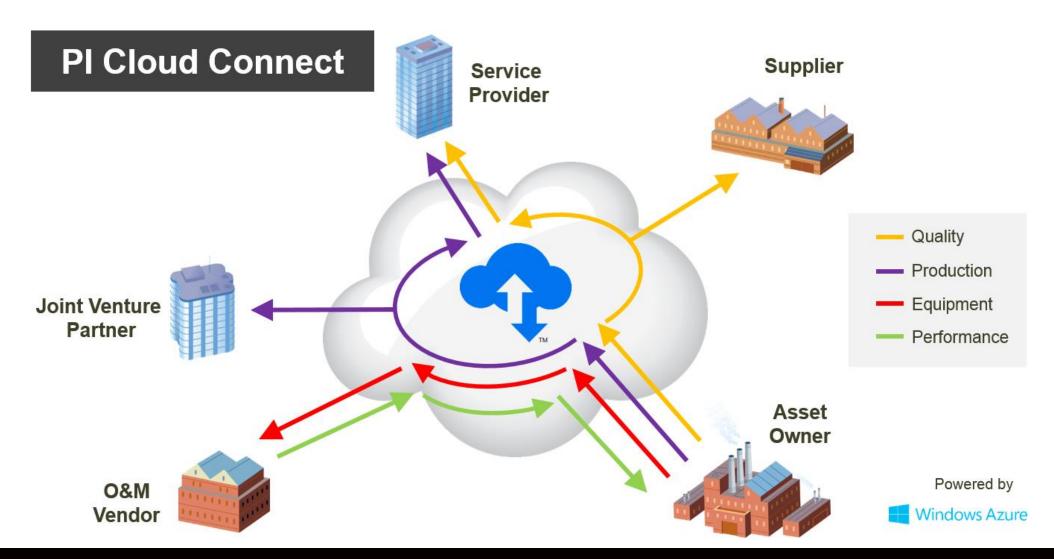
- PI Integrator for Esri ArcGIS
 - Beta now
- Integrators for Platforms like Hadoop, Microsoft BI, SAP Hana in development

Situational Awareness





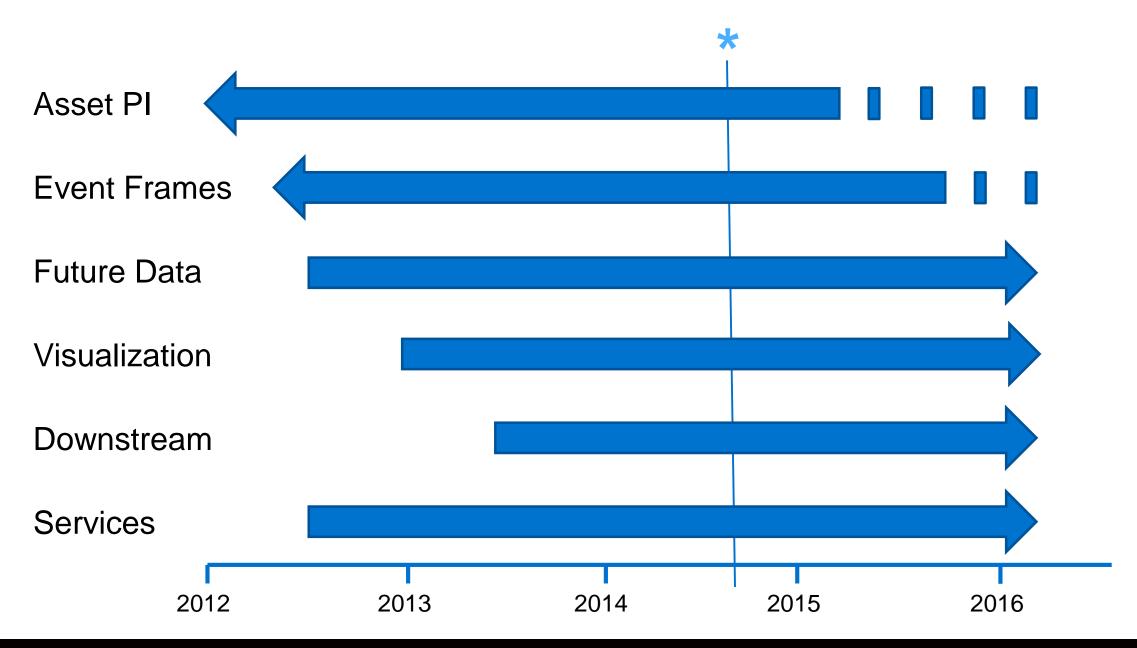
Theme 6: Cloud Services



Cloud Services growing month by month

- PI Cloud Integrator for Esri ArcGIS (in Beta)
- PI Cloud Access







Conclusions

- Go use Asset Analytics
- Start small with AF, but start
- Event Frames are ready for use
- PI ProcessBook display viewer and mobile device support make
 PI Coresight much more useful
- What are you going to do with Future Data?