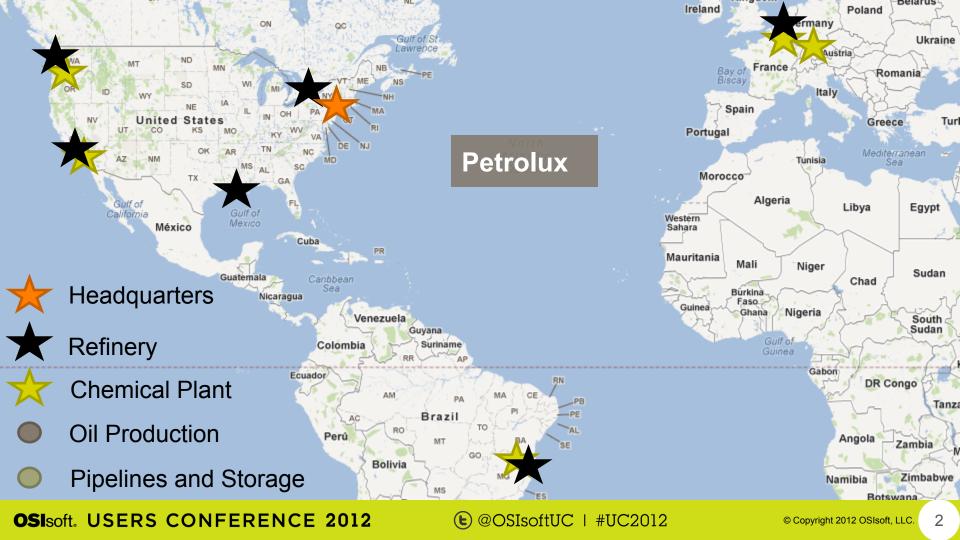


### The PI System in 2012

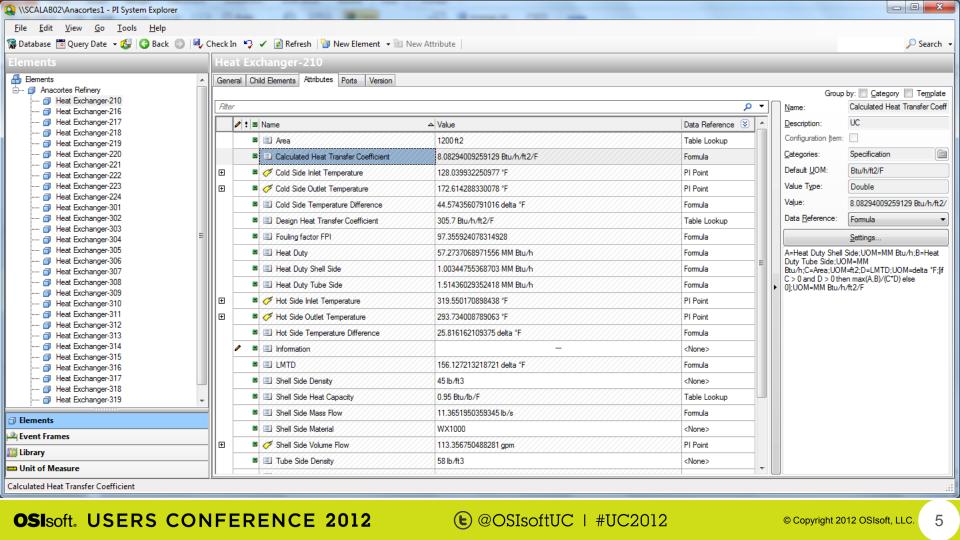
Presented by **Brian Bostwick and Ray Hall** 

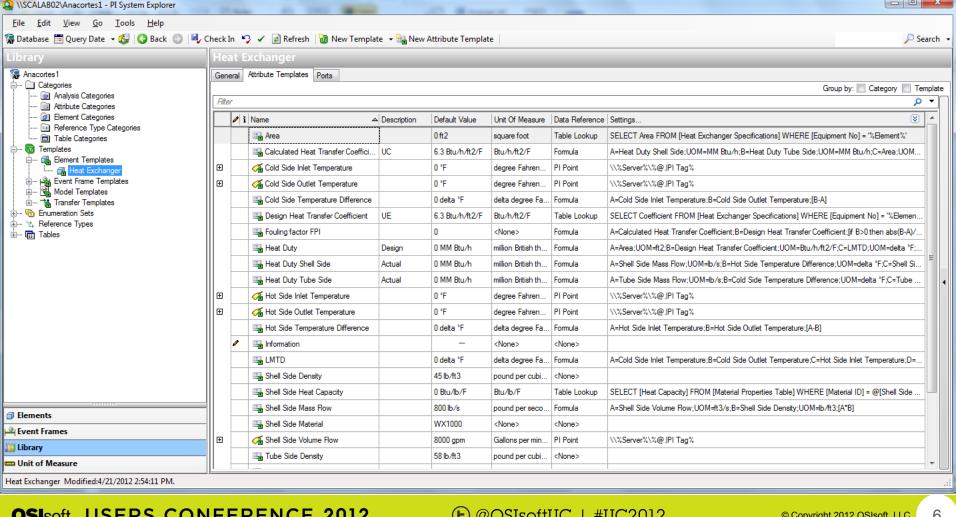




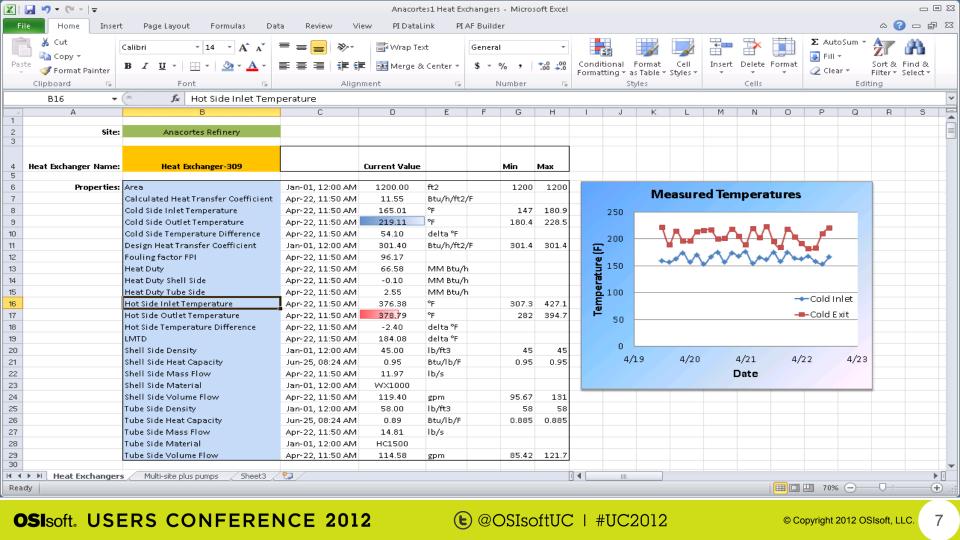


PSE DataLink - Exchanger





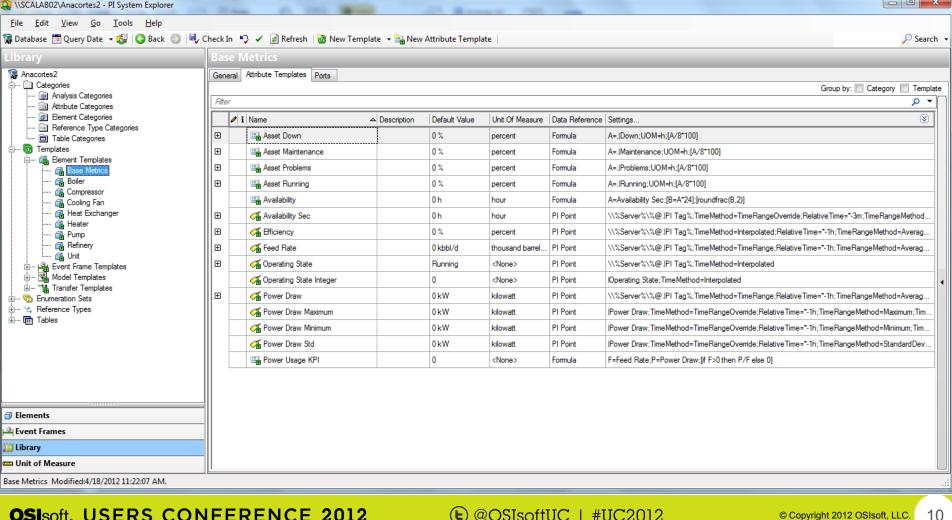
\_ 0 X



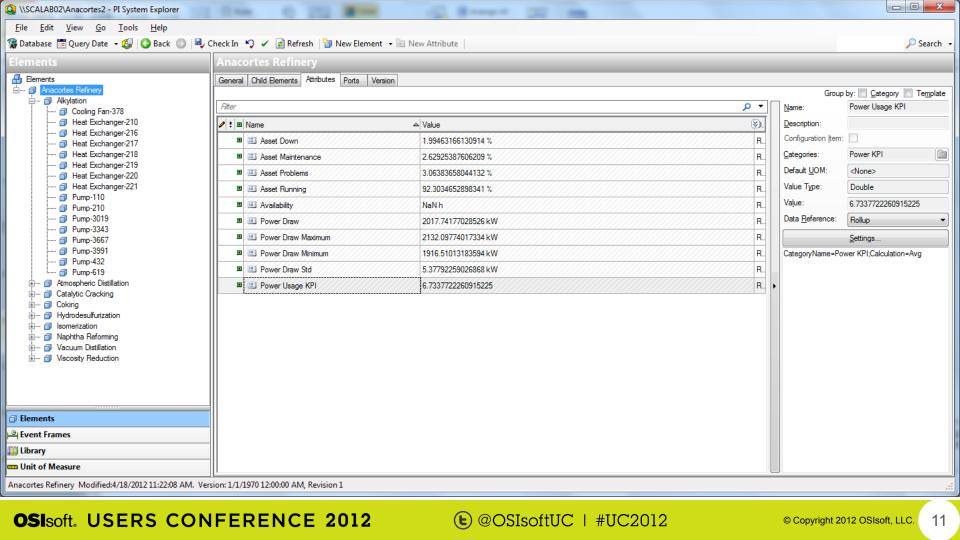


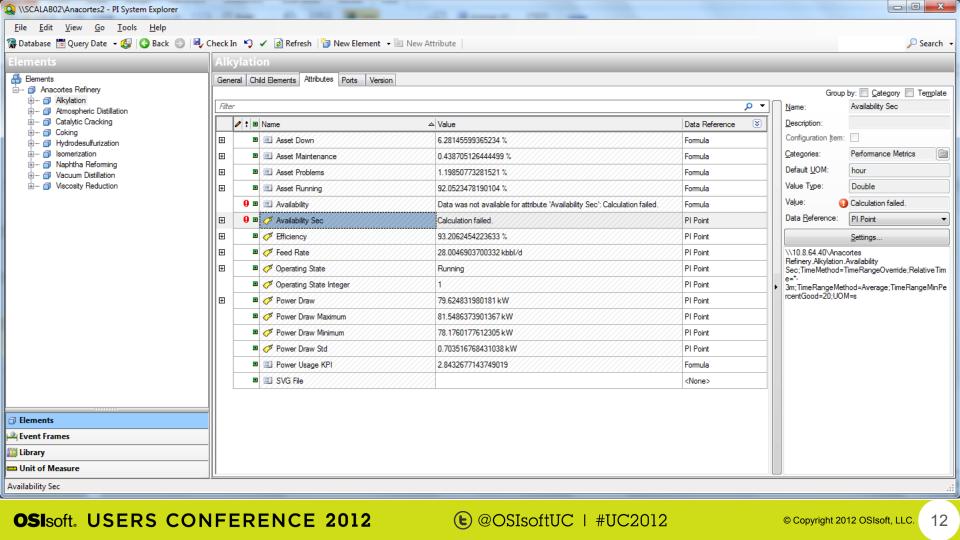


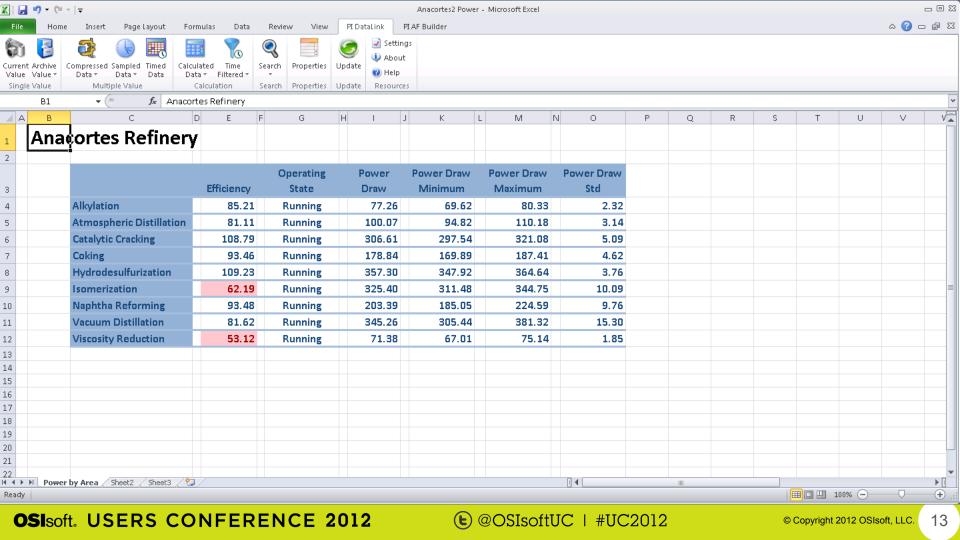
PSE DataLink - Energy



\_ 0 X



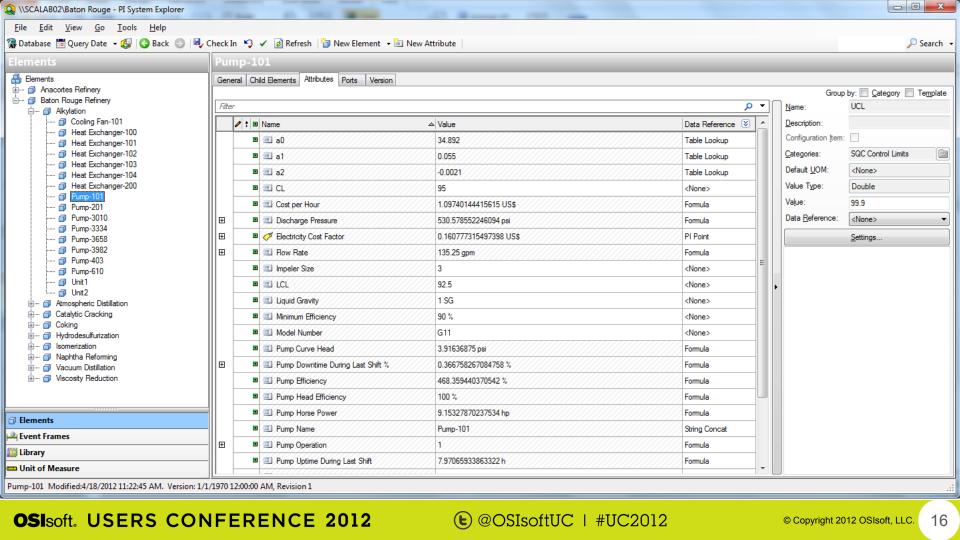


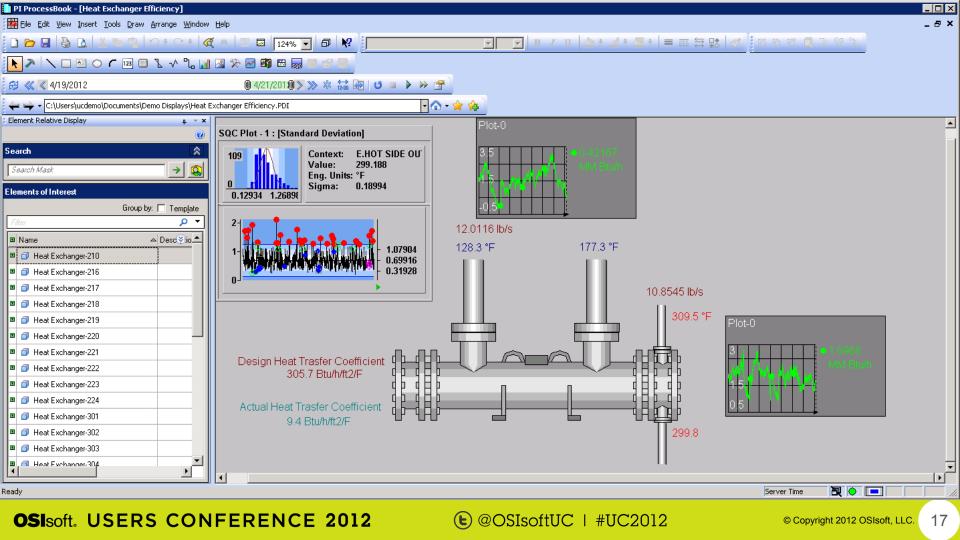






PSE ProcessBook ERD



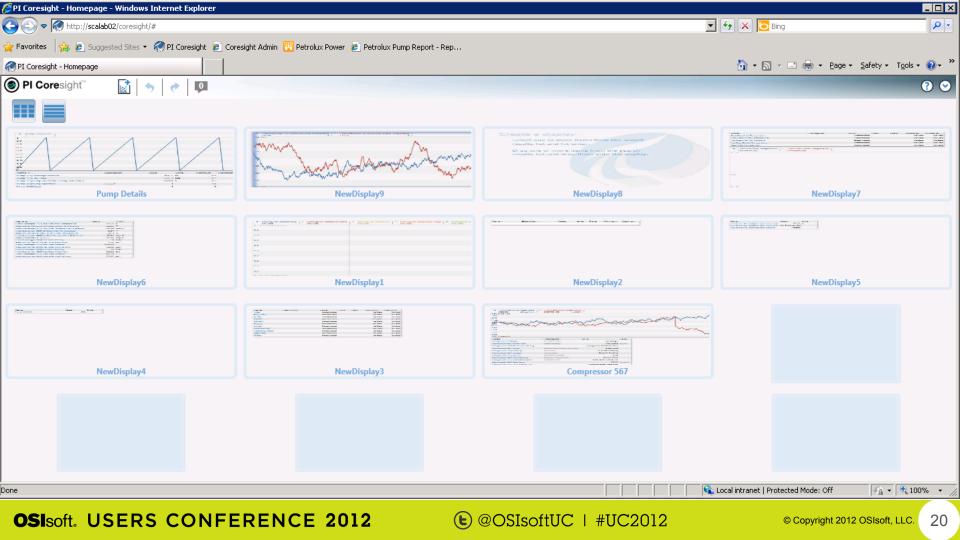


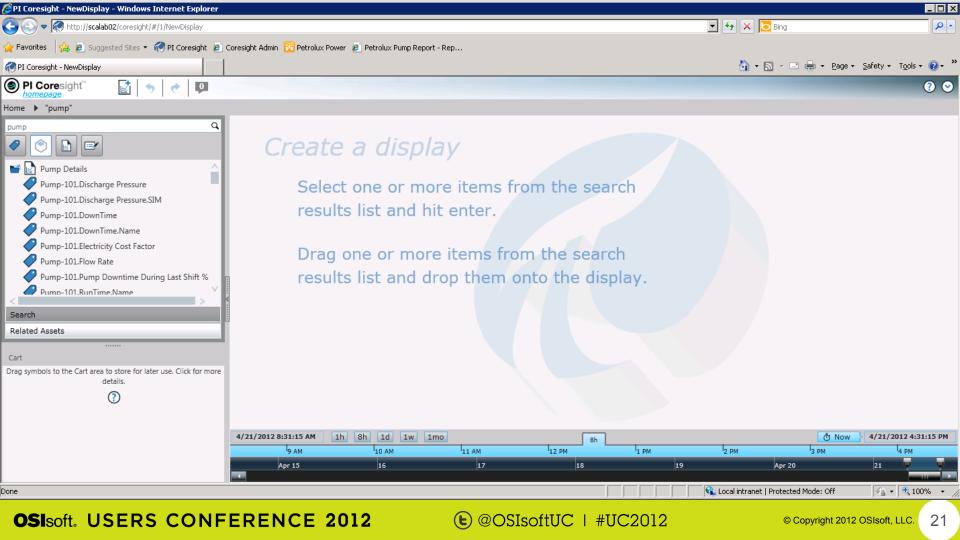


#### **Exploration**

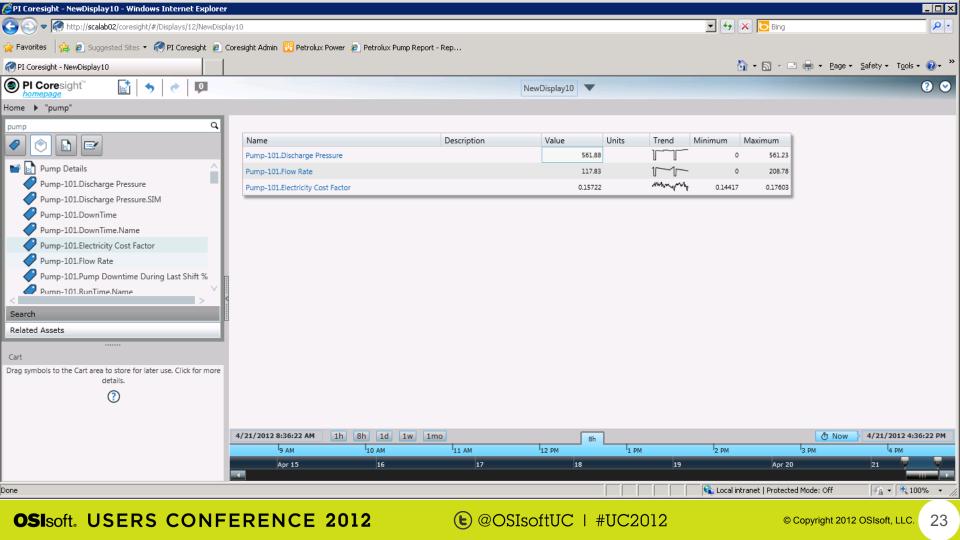


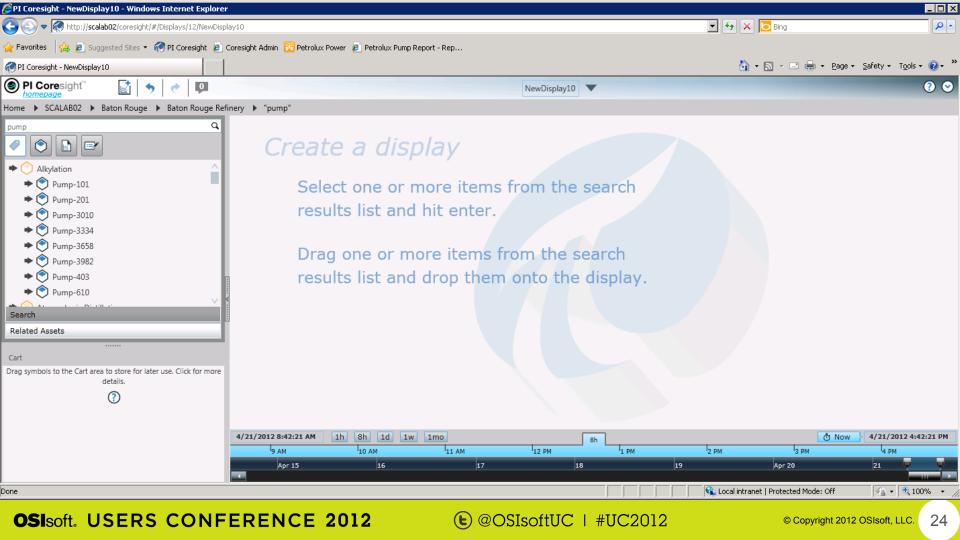
Coresight 1.0 Features Coresight 1.1 Compare

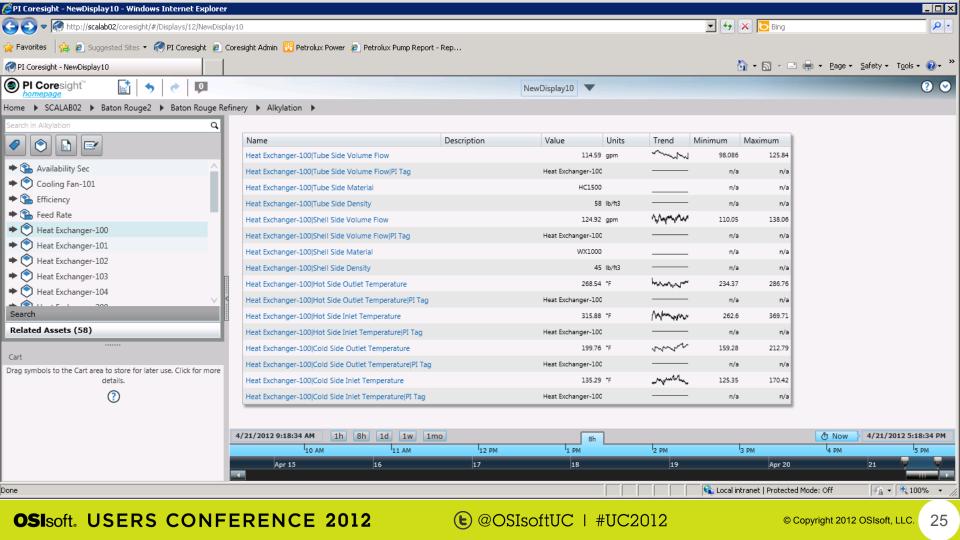










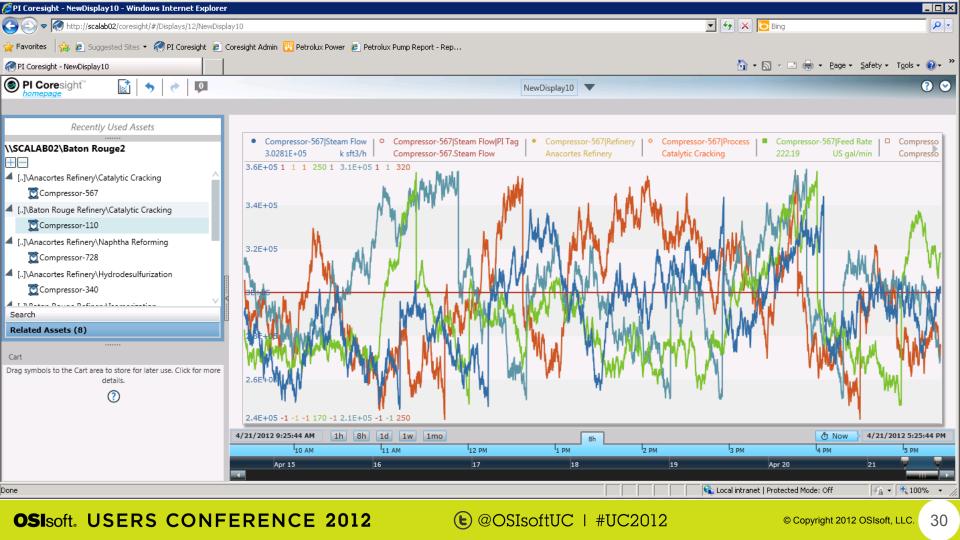


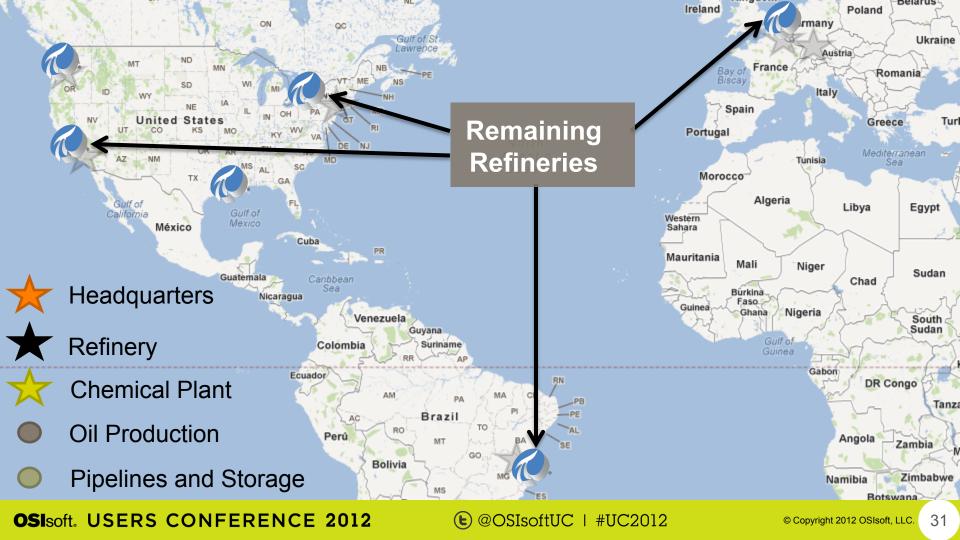




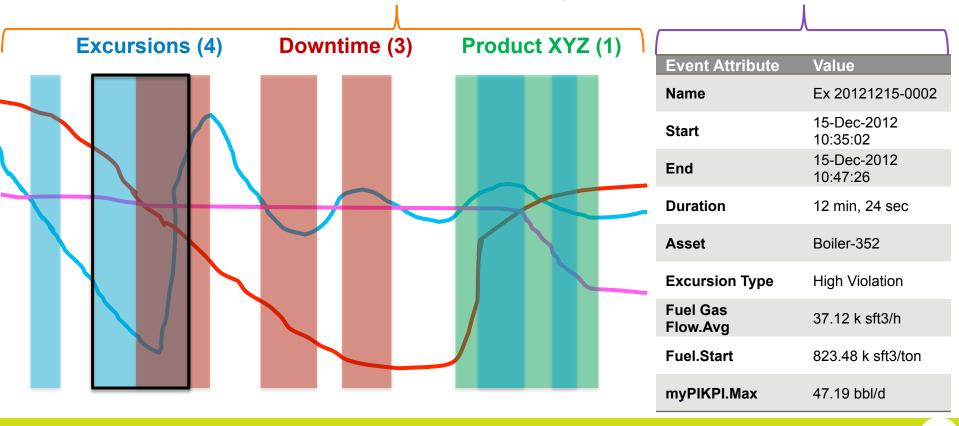








### PI Event Frames is a core capability of the PI Server to record important process or business events and help you find the related data.



#### PI Notifications

- Define key events
- Customize message content



Send to people and systems





Acknowledge and escalate



Simplify deployment with templates

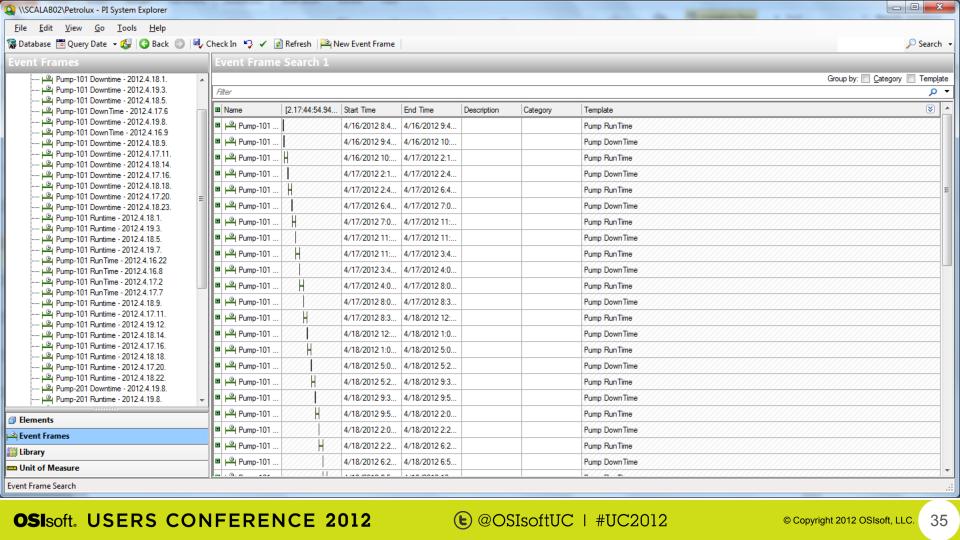


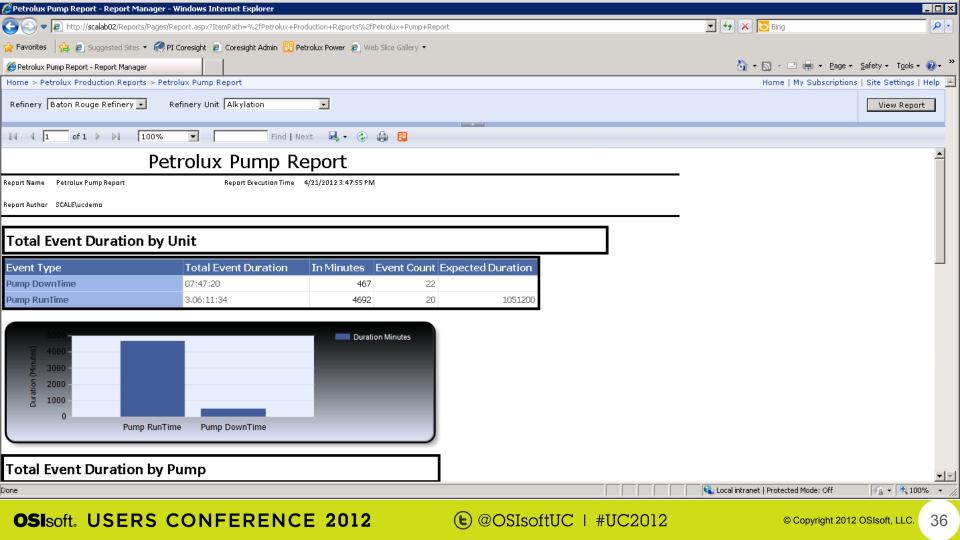


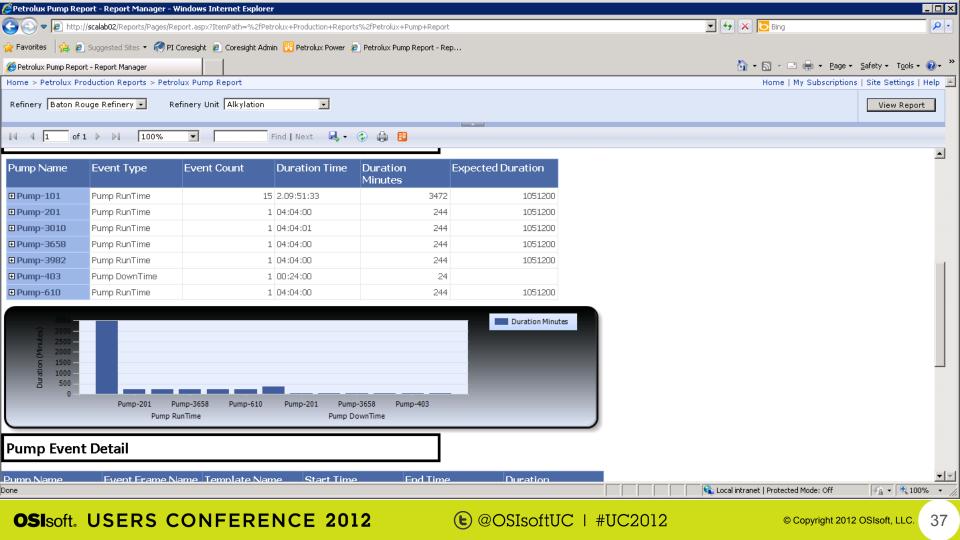


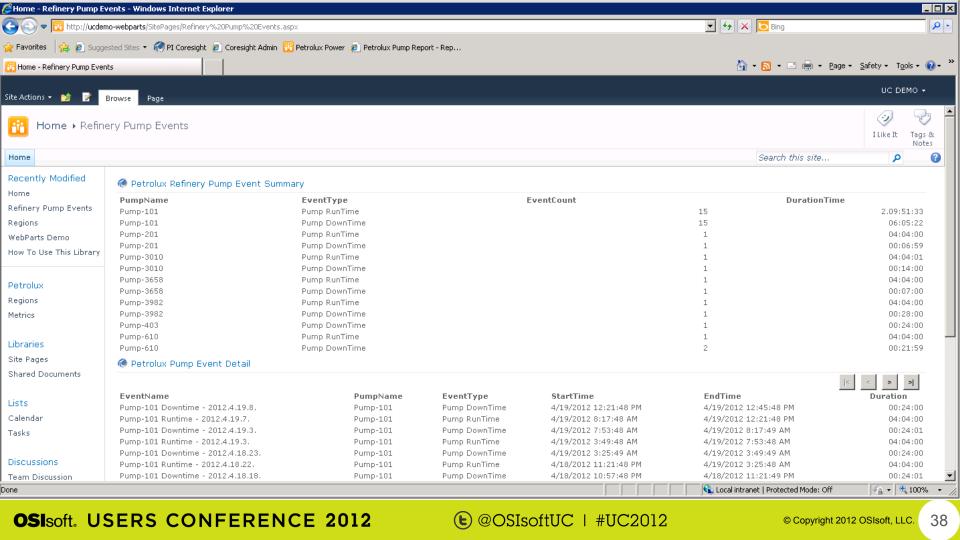


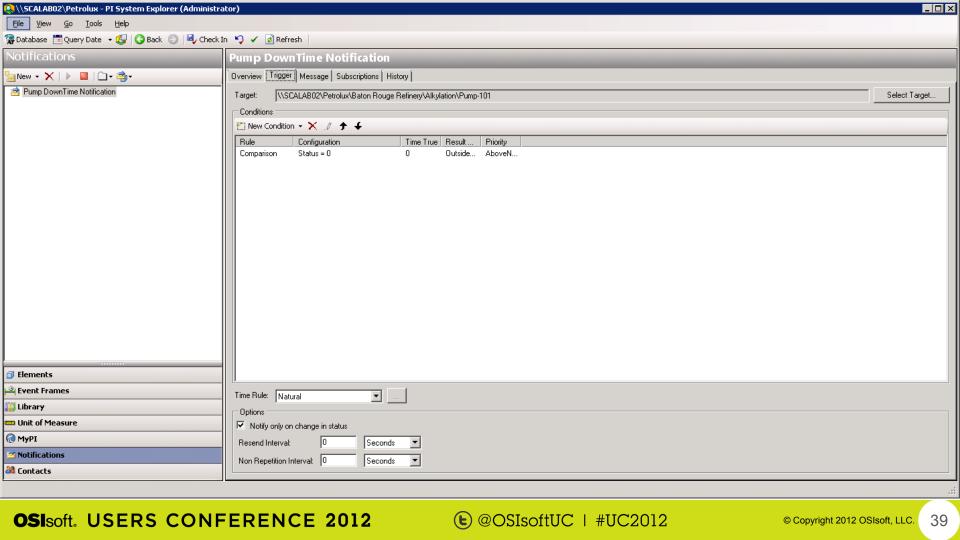
EF (PSE, SQL Report, Web Parts)
Notifications (Config, email, Coresight)

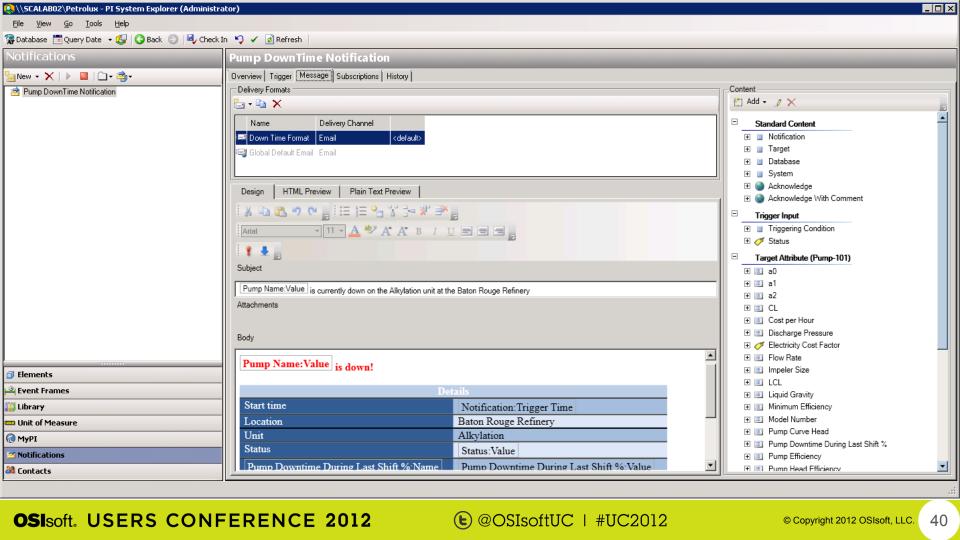


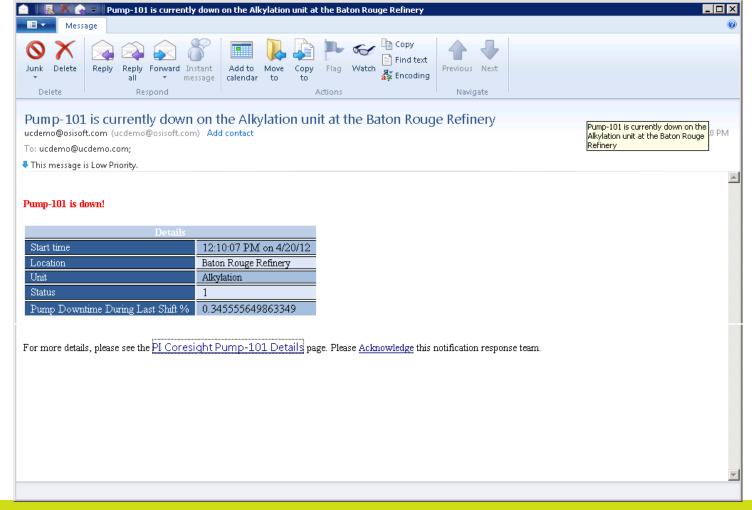


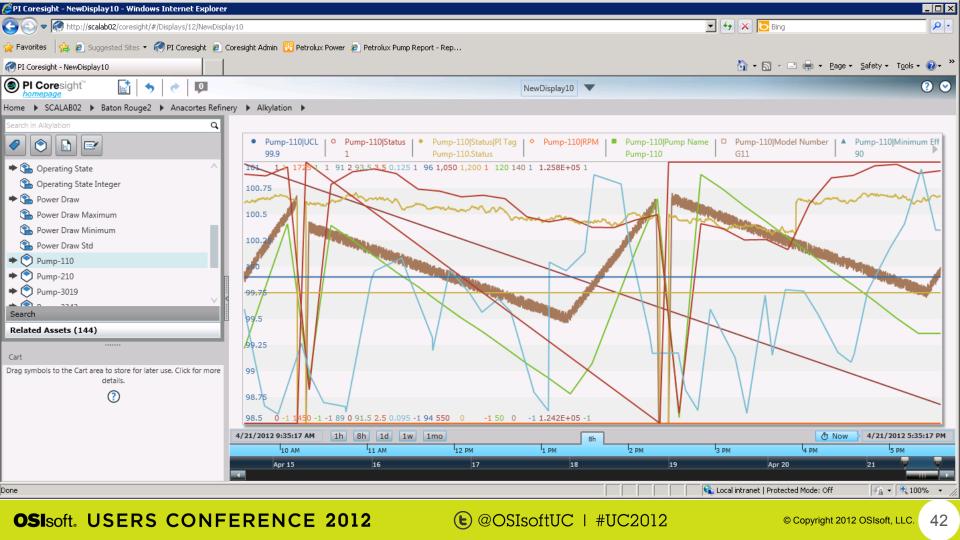


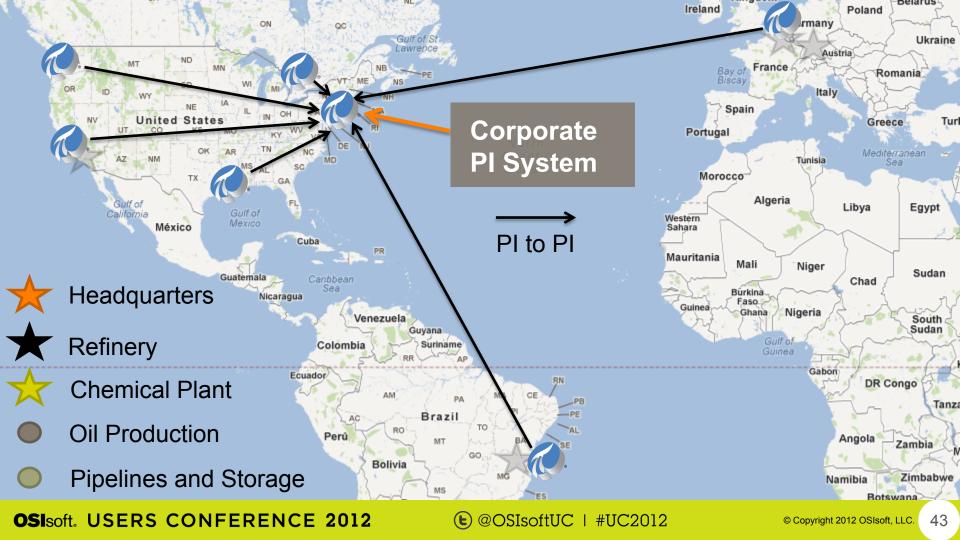








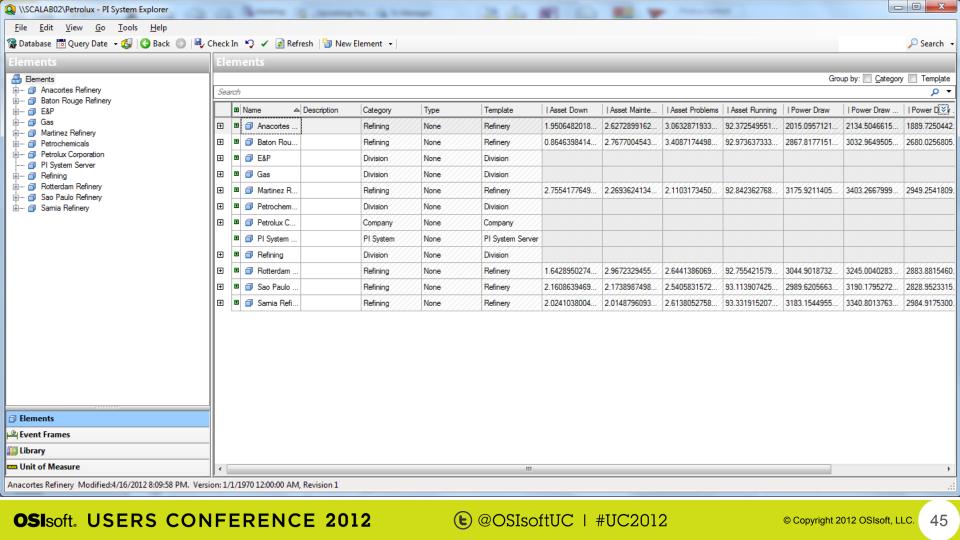


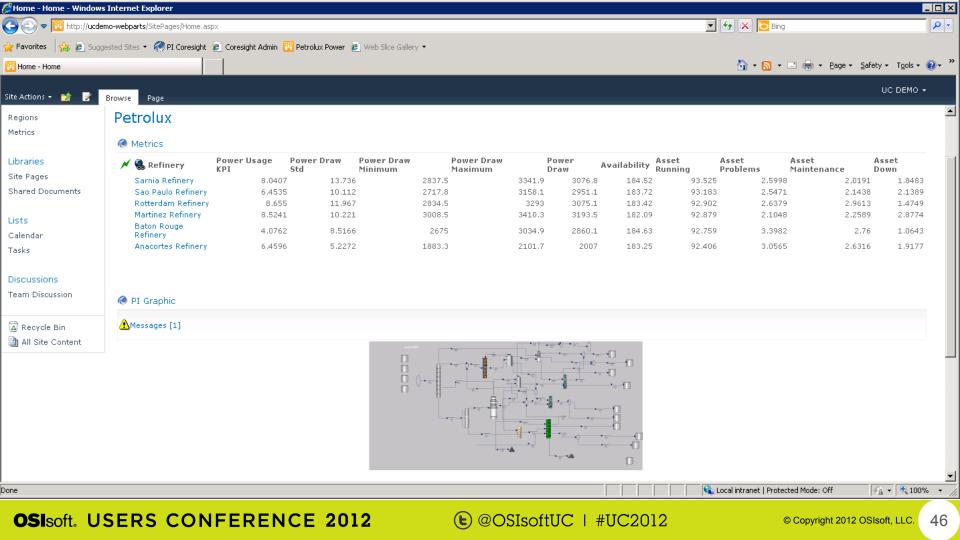


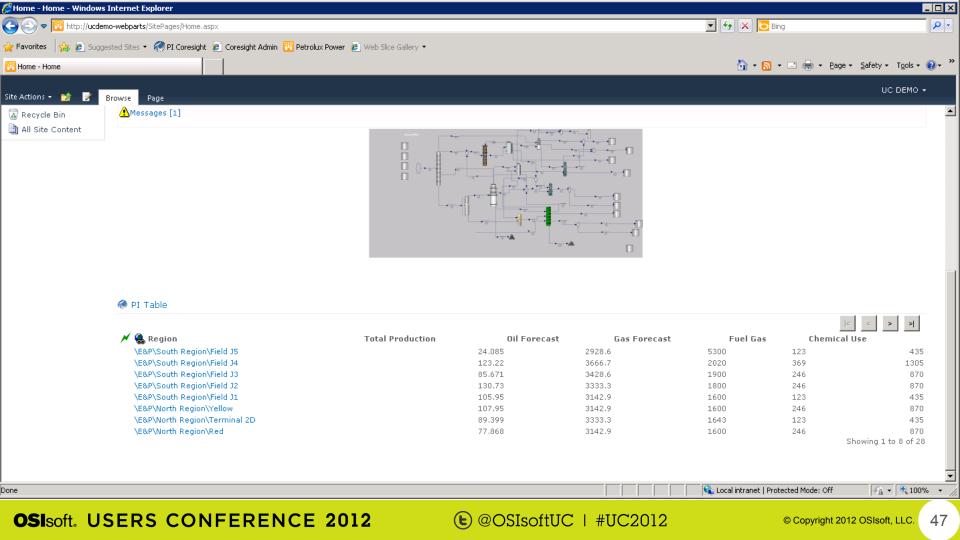


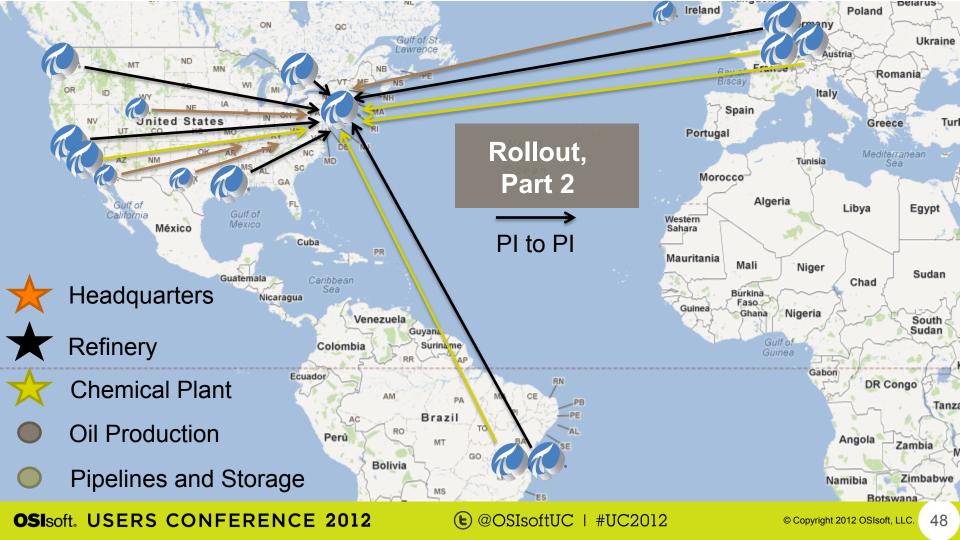
# PLEASE PAUSE FOR DEMO

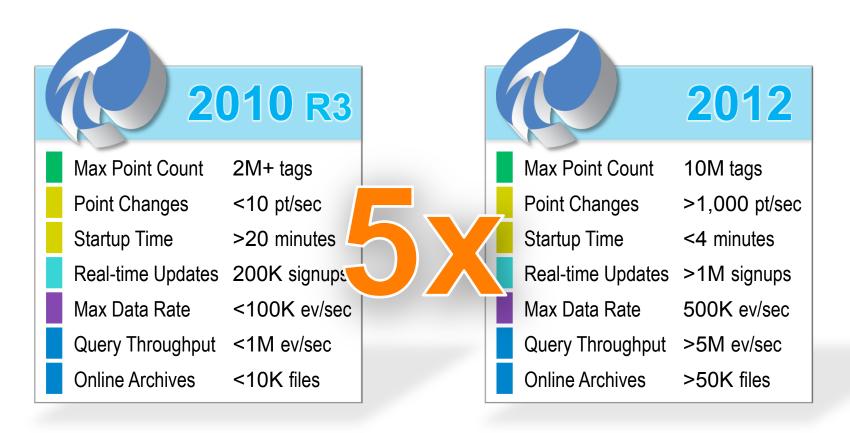
PSE Web Parts









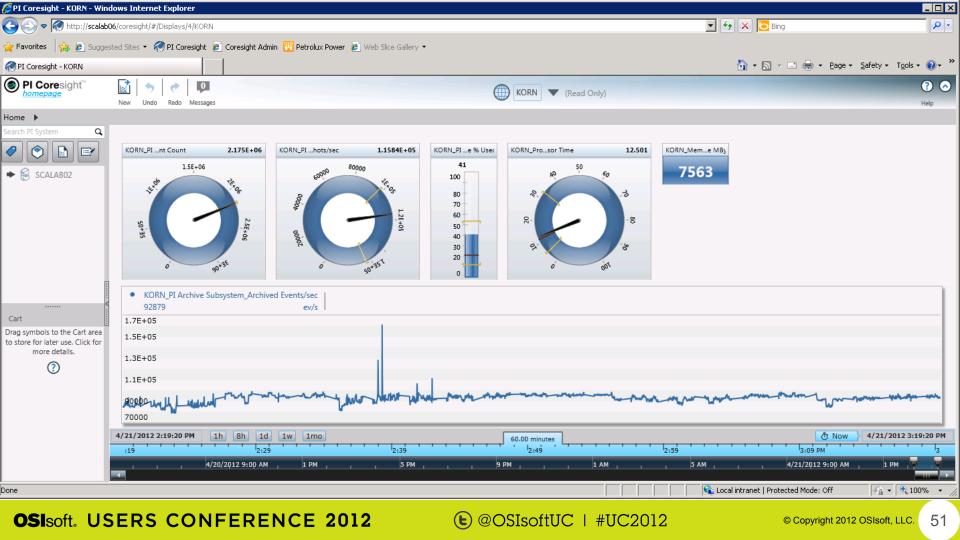


Be sure to see: Do. More. Faster. Now! PI Server 2012

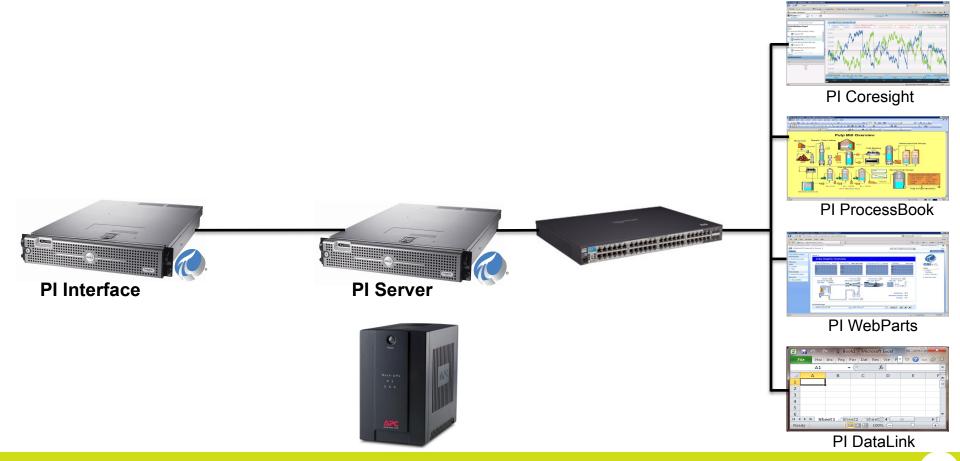


# PLEASE PAUSE F()R DEMO

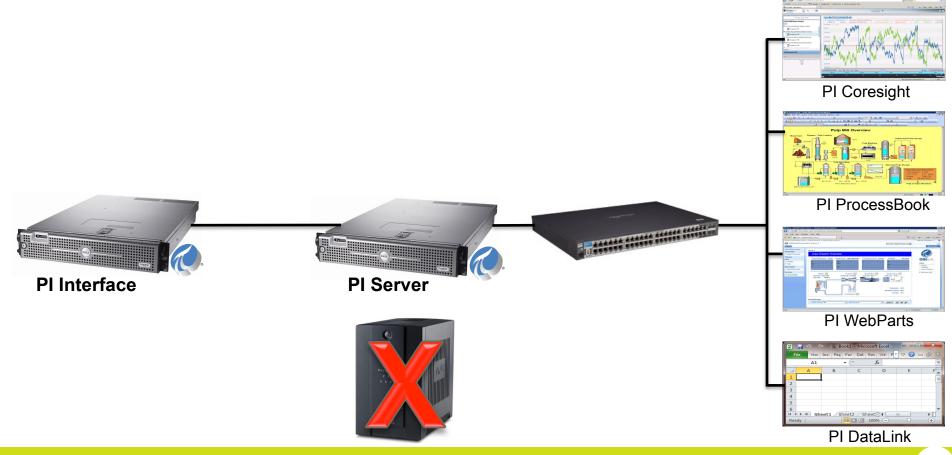
Coresight Display: Scale Lab



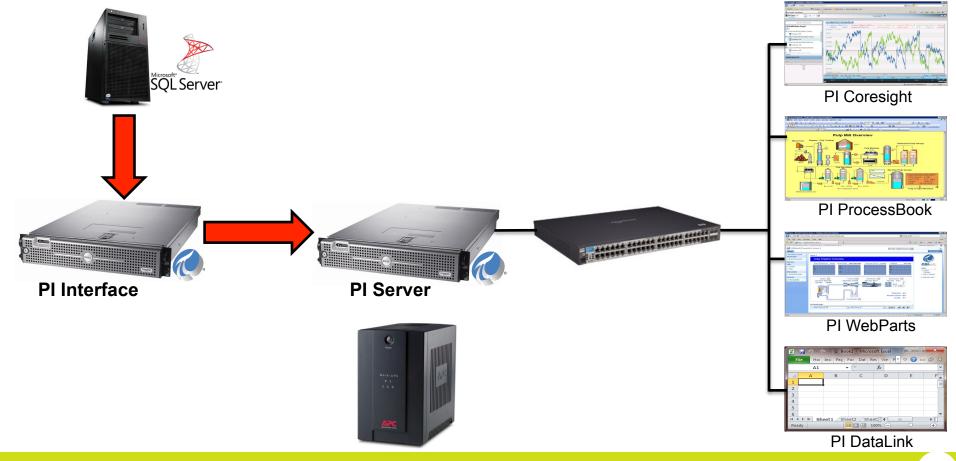
#### PI Server 2012 is More Resilient



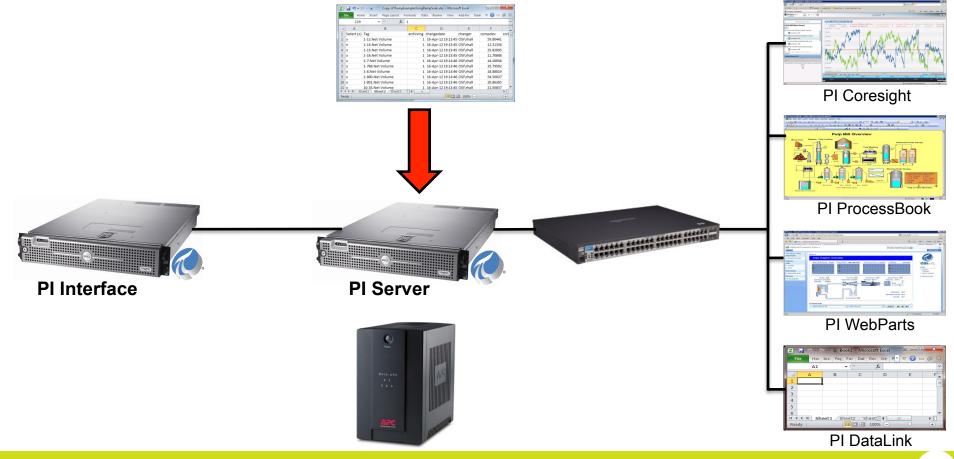
### Resilient During: Restarting from Hard Power Stop



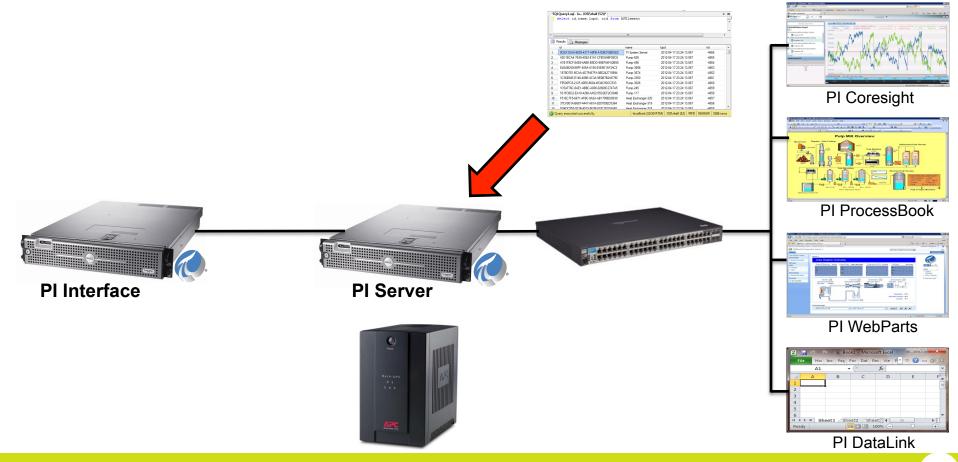
## Resilient During: Heavy Backfilling



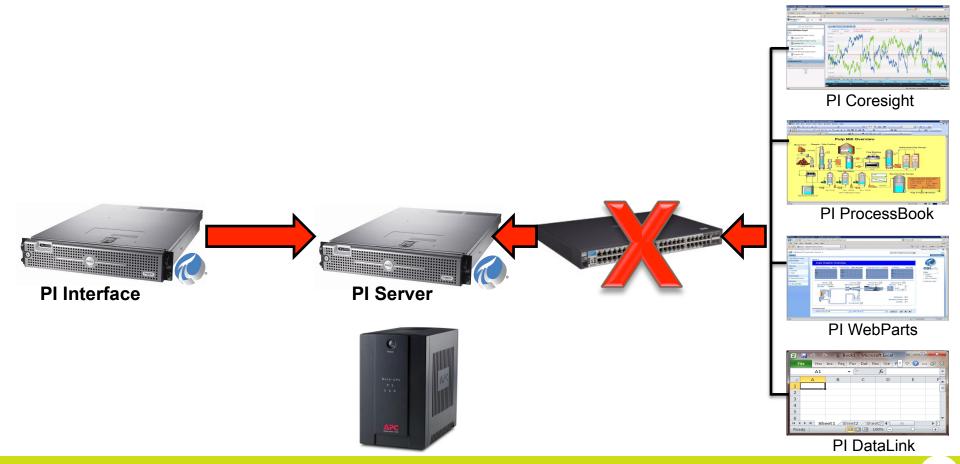
## Resilient During: Large Point Building Operations



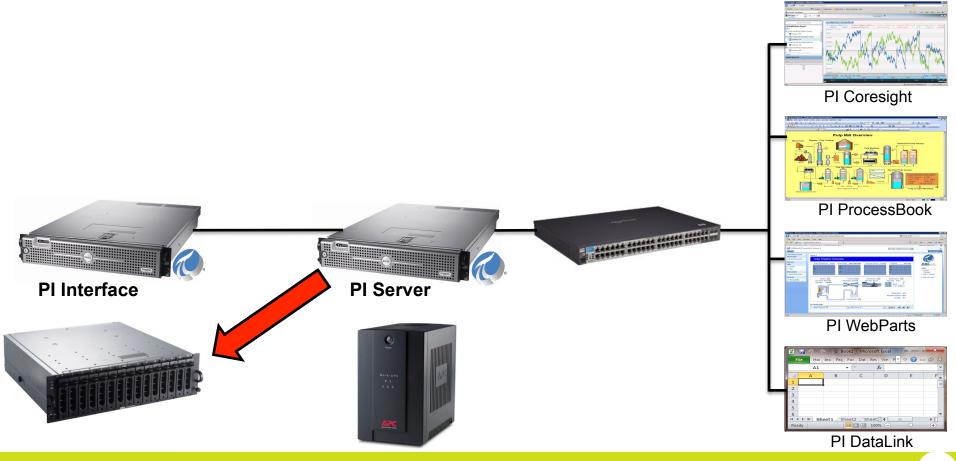
## Resilient During: Large PI OLEDB Queries



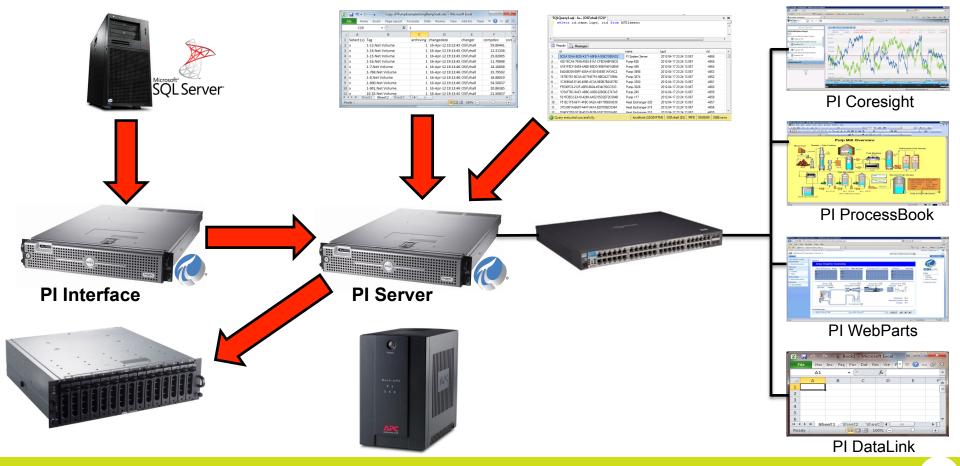
### Resilient During: Network Disruption, Reconnection



### **Resilient During: Backup Operations**



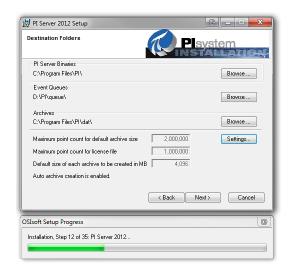
## Resilient During: Several Events at the Same Time



## PI Server 2012 Setup









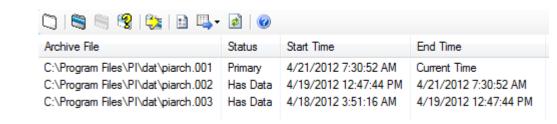




## DATA BACKFILLING



Historical Data in Legacy System



## DATA BACKFILLING



1 Create PI Points	minutes
--------------------	---------

- Property Pro
- 3 Check Disk Space minutes
- 4 Reprocess Archives weeks
- 5 Create New Archives hours
- 6 Backfill Data days

Total weeks

		2012
1	Create PI Points	minutes
2	Check Disk Space	minutes
3 4	Create New Archives Backfill Data	hour hours
	Total	hours

## Petrolux Value from PI Server 2012

• Simplified Installation, Automatic Backfilling

Very high <u>Scale</u> for growth

• Faster queries and response

More <u>Resilient</u> during atypical scenarios

## Mission Critical and Strategic

- · Resource Scheduling
- Environmental Reporting
- Energy and Oil trading
- Crude Accounting
- Real Time Response to Markets
- Constraint Management
- Batch Release

- Prediction Scheduling
- Power Up Sequencing
- Quality Management
- Responding to Faults
- Production Planning and Forecasting
- Unit Oversight
- Crisis Management and Diagnosis

## **Conversation with Rachel**

- How many PI System components do you monitor?
- What are typical problems you see?
- How do you address them, and customer exper?
- How important is PI Server uptime to you?
- How did your upgrade to PI Server 2012 Beta go?

#### **Our Demonstrations**



- PI Server 2012
- PI Asset Framework 2012 Beta
- PI Notifications 2010 Released

Beta

- PI OLEDB Enterprise 2012 Alpha
- Event Frame Gen Interface Alpha
- PI ProcessBook 2012 Released
- PI Coresight 2012 Beta
- PI DataLink 2012 Beta
- PI Web Parts 2010 Released

#### **Our Demonstrations**



- PI Server 2012
- PI Asset Framework 2012 Release in Q3
- PI Notifications 2010 Released
- PI OLEDB Enterprise 2012 Release in Q3
- Event Frame Gen Interface Release in Q3
- PI ProcessBook 2012 Released
- PI Coresight 2012 Release in Q2
- PI DataLink 2012 Release in Q3
- PI Web Parts 2010 Released

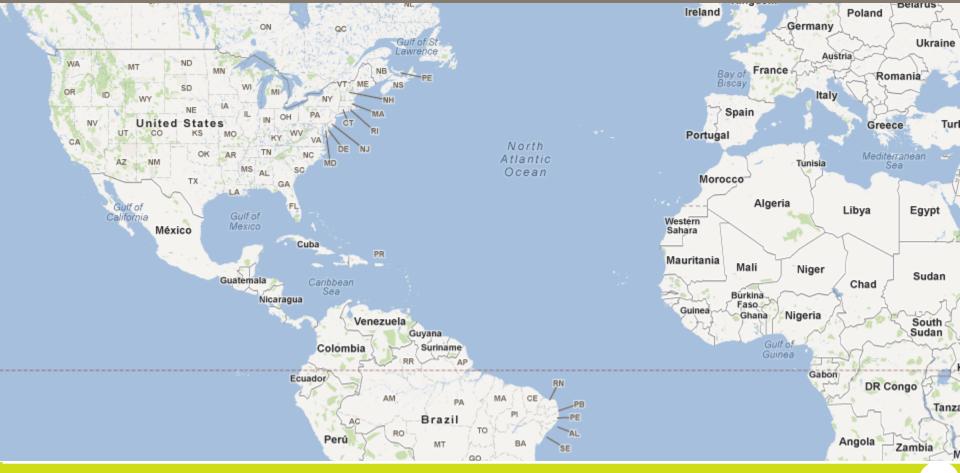
Release in Q3



# PLEASE PAUSE FOR DEMO

Coresight on iPad

#### As You Go Through **Your** Pl Journey....





# THANK

