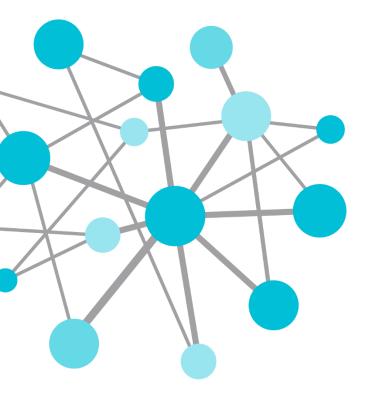


**OSI**soft®

### **REGIONAL**8 **SEMINAR** The **Power** of **Data**

**DECISION READY IN REAL-TIME** 



# Information on the Spot

Presented by Isabelle Lacaille, Customer Support Engineer ilacaille@osisoft.com



#### Different People Need Different Tools at Different Times

Engineers and Operators

Some need tools for detailed **analysis**, process **monitoring**, and ad hoc **exploration** 

Others need tools to build heads up displays, dashboards, and KPIs



Maintenance and Asset Management Teams

Executive and Management Teams

Executives need data in the office and on the go

While everyone needs to **build**, **share**, or **view** reports... many want a **custom view** and the ability to **drill down** 

#### **Unlimited Access to Your Data**

The PI Visualization Suite puts every PI System visualization tool

at your fingertips



- Allows everyone to collaborate with data to drive innovation and for data-driven decision making
- The PI Visualization Suite unlocks PI System data sharing across your business to empower your enterprise



### PetroLux

#### I need to:

Provide self service BI for my users









I need to: Enter data from my mobile device











Report against process and event data



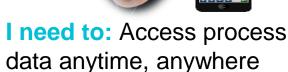






I need to:

Respond to notifications and identify problems





#### I need to:



### Enter data from my mobile device



PI Manual Logger using a smart phone





### PI Manual Logger 2014

Tour-based manual input data collection

- PI Manual Logger PC
  - Configure tours
  - Enter, review, edit, or approve the data
- PI Manual Logger Web











- Collect data from equipment with a mobile device
- Barcode/RFID to identify tags and/or enter data



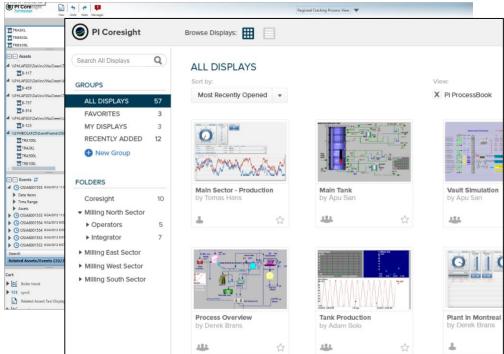
#### I need to:

PetroLux

Respond to notifications and identify problems



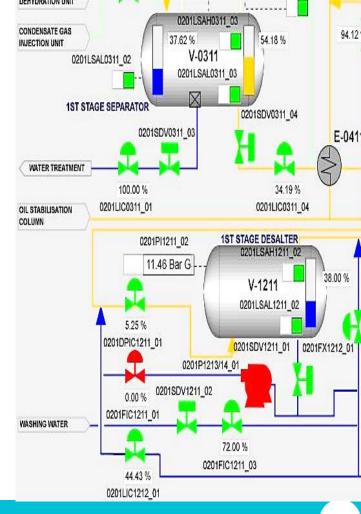
Notification-driven investigation using PI ProcessBook and PI Coresight





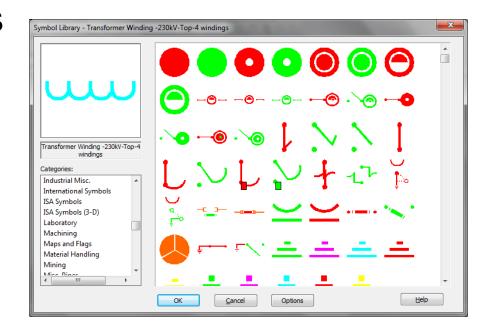
#### PI ProcessBook

- Display real-time and historical data
  - Process representation
  - Trend with traces
  - Context management with PI AF
  - Replay problematic events
  - Drill-down capabilities

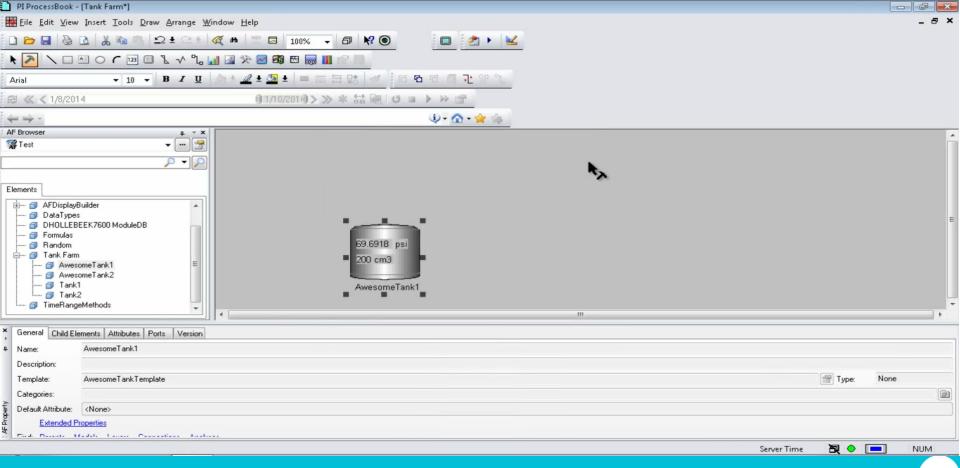


#### PI ProcessBook 2014

- Launch ad hoc analysis in Pl Coresight
- New Transmission and Distribution Symbols
- Assign displays to PI AF Elements and Templates



#### **Demo: Assign Displays to PI AF Elements**



### What Can I Do with PI Coresight?

- Not sure exactly what I am looking for...
- I found an interesting event, now I want to compare it to other time ranges or equipment
- I have an interesting display that I want to share with others

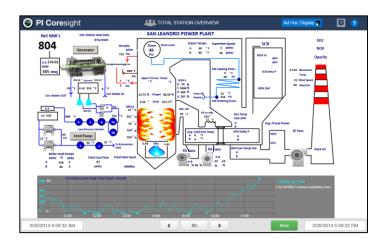


### **Introducing PI Coresight 2014**

Ad hoc analysis + authored displays







#### I need to:

Access operational data anytime, anywhere



Real-time data on your tablet using PI Coresight







### PI Coresight on Mobile Devices

 Fast and easy access to PI System data

View PI ProcessBook displays

Designed for small screens

Viewable on any device









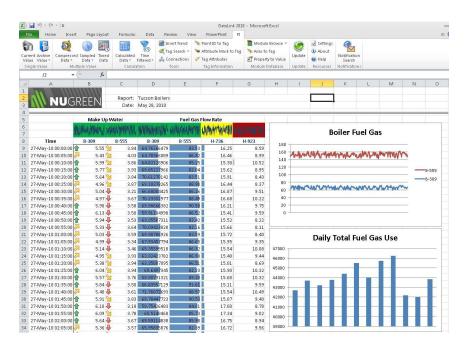
#### I need to:



#### Report against process and event data



Events reporting in Excel using PI DataLink



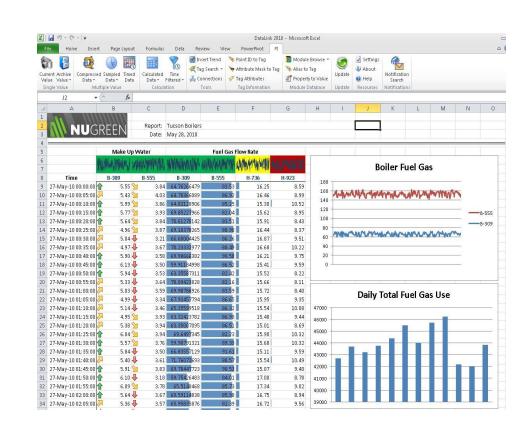


#### PI DataLink

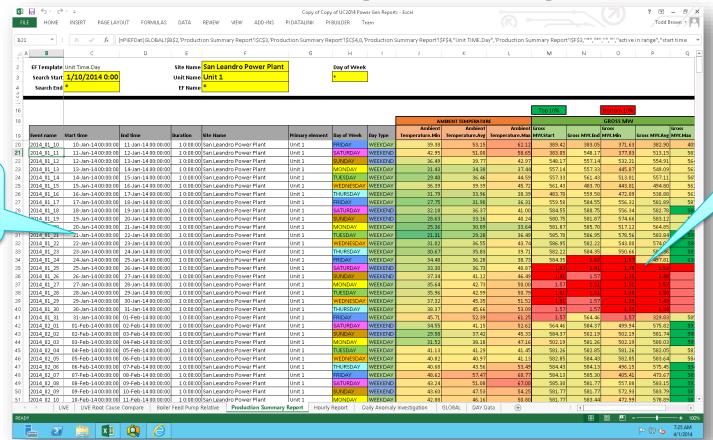
#### Add-in to Microsoft Excel

- Create reports
- Apply calculations
- Retrieve data

OSIsoft's most popular product by installations



#### PI DataLink – Events Report Example



Unit Trip!

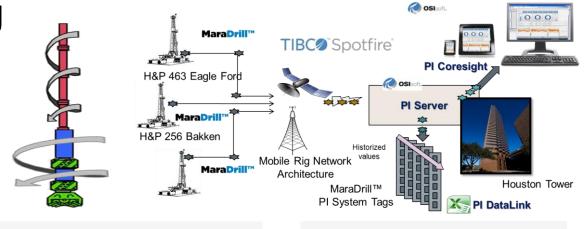
Daily

**Events** 

## Real-Time Drilling Optimization



From stick-slip identification to stick-slip mitigation.



#### **CHALLENGES**

Lack of real-time drilling analytics and guidance capability at the drill site

Extended drill time and down hole tool damage

Increased use of resources

#### **SOLUTION**

Installation of the PI System realtime integration and applications infrastructure

Creation of drilling process high fidelity real-time analytics and visualization capabilities at the drill site

#### **RESULTS**

Drilling time and capital well cost savings due to reduction in resources

Reduced vibration and damage to downhole tools

Continuous optimization onsite and retrospective **post-well analysis** 

#### Update on Marathon Oil's MaraDrill™ PI-Based Optimization Solution





Update on Marathon Oil's MaraDrill(TM) PI-based Optimization Solution

Ken Startz Marathon Oil

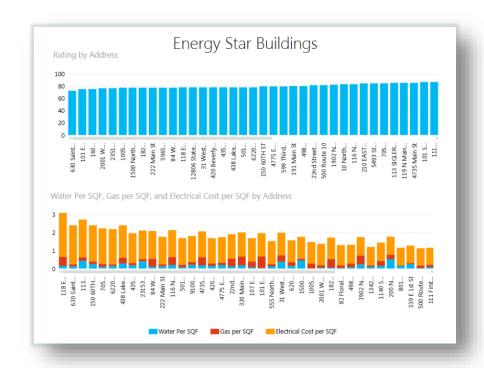
#### I need to:

## Provide self-service BI for my users

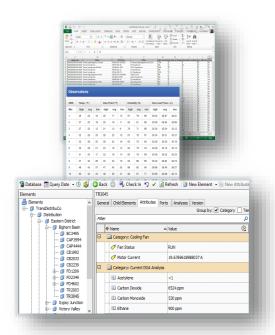


Rich reports in Microsoft Power BI





### From Data to Decision-Ready Data



Access to analytical tools

Power Power Query Pivot

er Power ot View







Access to data

PI Web API



Data



"Decision Ready" Data

### Microsoft Power BI for Office 365



- Analysis anywhere with Power BI Sites and the **Power BI App**
- Ask and answer with Power Q&A
- Scheduled data refresh
- Benefit from the latest updates

"Show generation by site by wind direction as column chart"



#### Making Decision-Ready Accessible

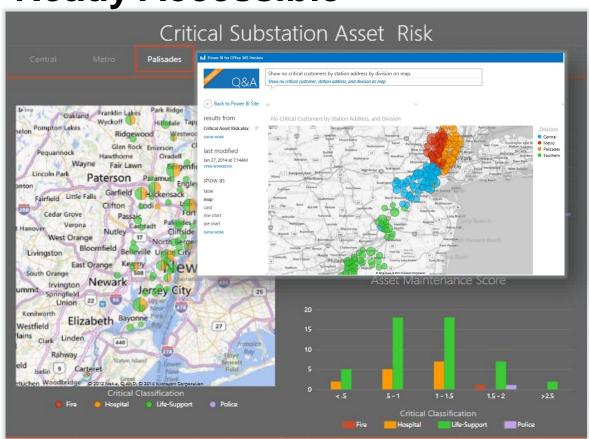


#### Objective

 Share a vision of making substation asset health analysis available to domain experts

#### Outcome

Provision Office
 365 users with
 Power BI and Excel



### PetroLux

#### I need to:

Provide self service BI for my users









#### I need to: Enter data from my mobile device













Report against process and event data









I need to:

Respond to notifications and identify problems



data anytime, anywhere



#### What do Your Users Need?

The PI Visualization Suite and PI System

**Access** gives you the optimal

user experience









so PI System data can be accessible throughout your entire business, at all times.

### **Optimize Client License Management**

The PI Visualization Suite and PI System Access

optimize the management of your client licenses

One license providing access to all PI System visualization tools across the organization



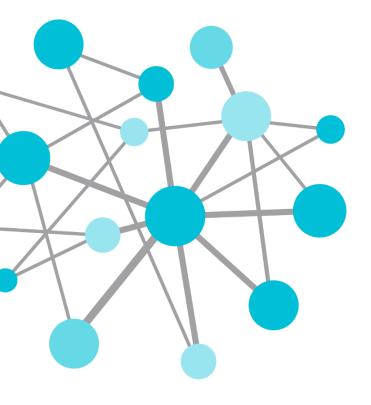
### **Key Points to Take Home**



Experience the value of the information on the spot with unlimited access to the PI System

- Tools to answer all your users needs
- Access information anywhere, anytime, from any device
- Simplifies compliance and license management



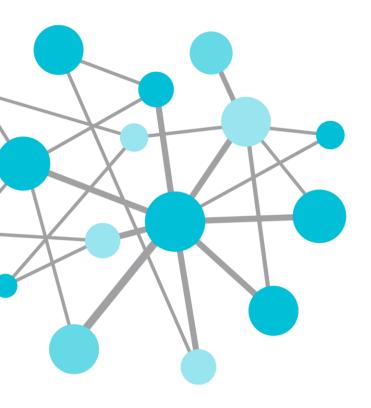


### Questions

Please wait for the microphone before asking your question



Please state your name and your company



THANK
YOU



#### **Isabelle Lacaille**

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OSIsoft, LLC