



Information on the Spot- My data on my device

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What is PI Coresight?

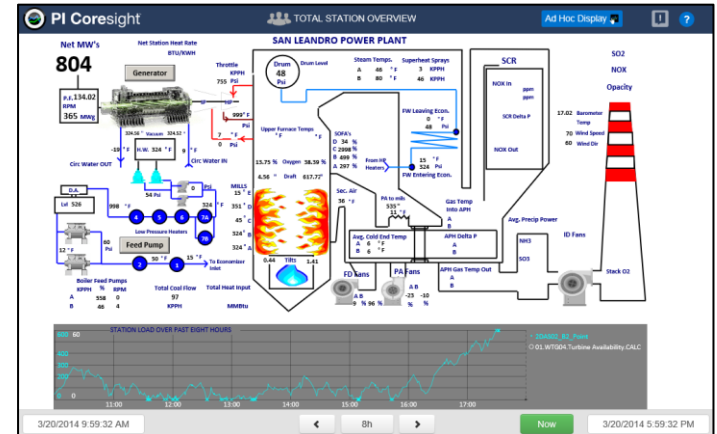
A web-based product for:

- Ad-hoc analysis
- Quick investigation
- Collaboration
- Rapid deployment



PI Coresight 2014

Ad hoc analysis + authored displays



PI Coresight 2014

Transitional release with Big New Features

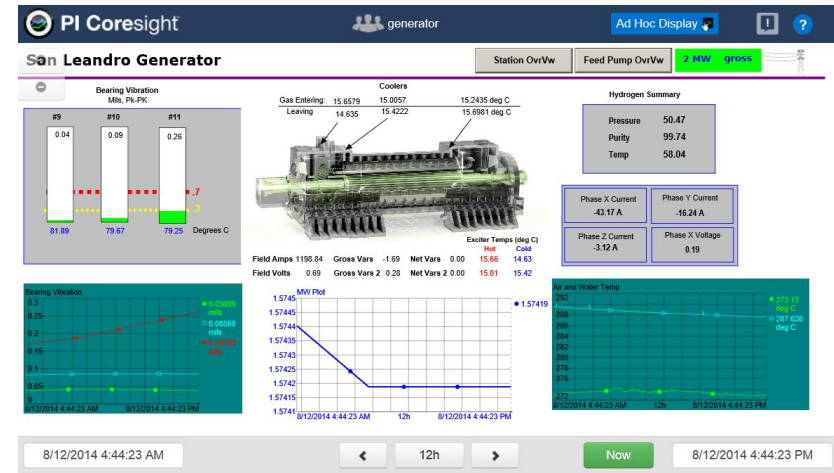
- Moving from desktop browser only to phone, tablet, and desktop
- Making PI ProcessBook displays available on new devices and combine them with new visualization tools
- Improving performance and scalability

PI Coresight 2014

I need to access my graphic displays and real-time data using any modern browser so that I can trouble shoot problems without special software installed.

PI ProcessBook Display Viewing

- Viewable on any modern browser
- Displays organized by import folder
- No special software needed on the client machine



DEMO

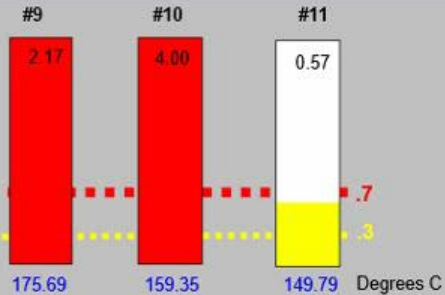


San Leandro Generator

Station OvrVw

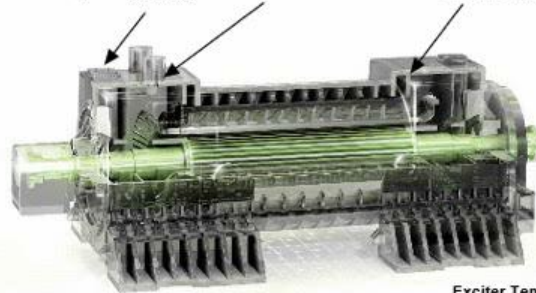
Feed Pump OvrVw

415 MW gross

Bearing Vibration
Mils, Pk-PK

Coolers

Gas Entering:	41.0442	43.2864	47.163 deg C
Leaving	33.1197	30.7904	30.815 deg C



Hydrogen Summary

Pressure	58.45
Purity	99.74
Temp	100.25

Phase X Current	10004.75 A
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Phase Y Current	10120.26 A
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Phase Z Current	9837.21 A
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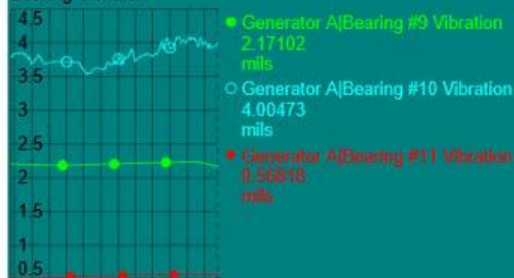
Phase X Voltage	114.22
-----------------	--------

Exciter Temps (deg C)

Hot Cold

Field Amps	2927.26	Gross Vars	89.45	Net Vars	84.24	41.04	33.12
Field Volts	225.75	Gross Vars 2	89.77	Net Vars 2	82.82	43.29	30.79

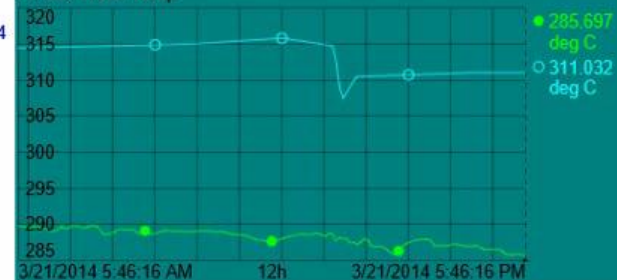
Bearing Vibration



MW Plot



Air and Water Temp



3/21/2014 5:46:16 AM



12h



Now

3/21/2014 5:46:16 PM

Difference between web and native viewing

Not supportable on the web:

- VBA script
- ActiveX Controls

Different interaction:

- One time range
- Element Relative Displays with URL

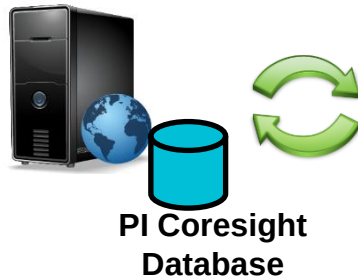
Not in PI Coresight 2014:

- Trend Cursor, Trend Zoom
- Unsupported Symbols
 - Batch View
 - SQC Chart
 - XY Plot
 - Logarithmic scale
 - Regression line on a trend
- ODBC datasets

Easily Make Displays Available

- Save PI ProcessBook file in PDI or SVG format
- Automatically organized by folder structure
- Displays are automatically imported and/or updated

PI Coresight 2014



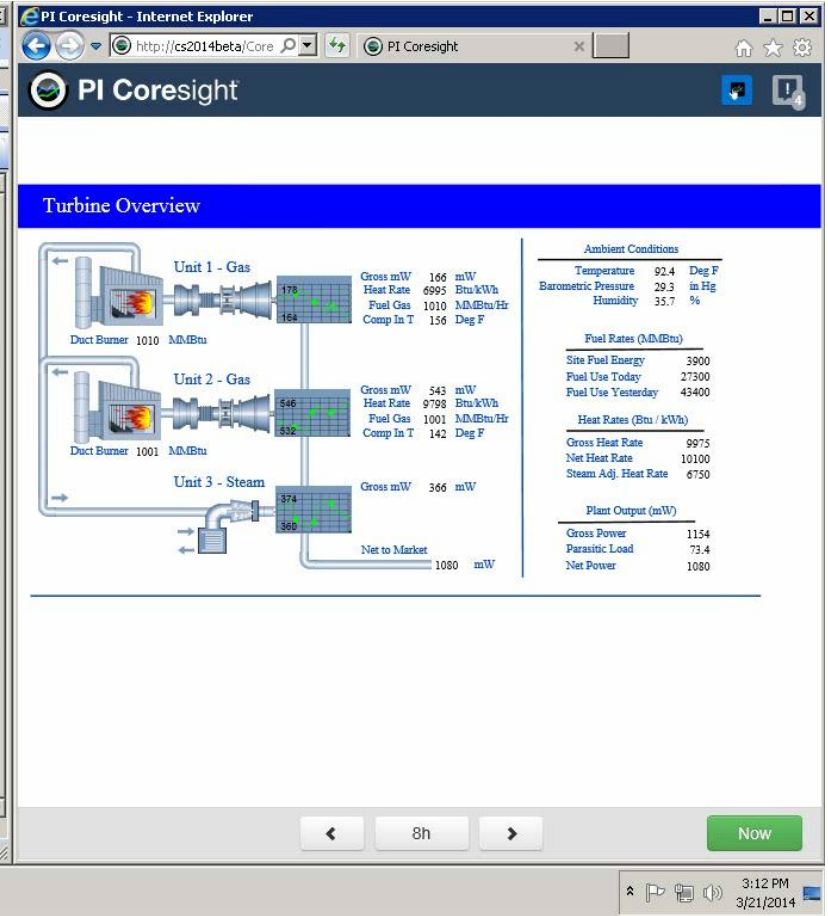
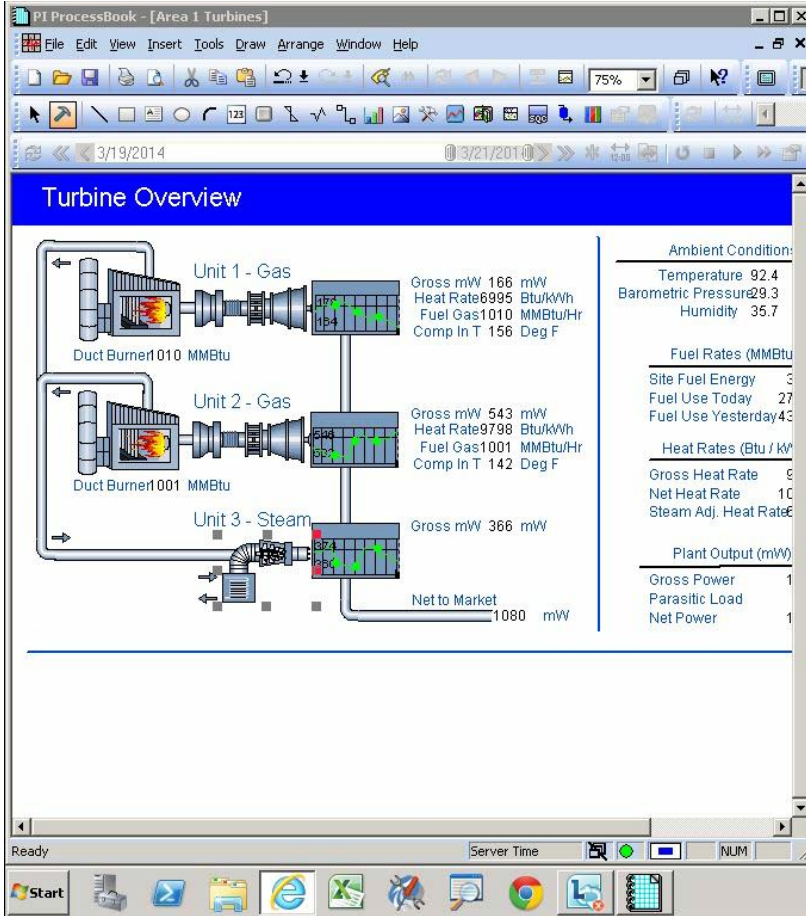
Import
Folder



PI ProcessBook Displays



DEMO

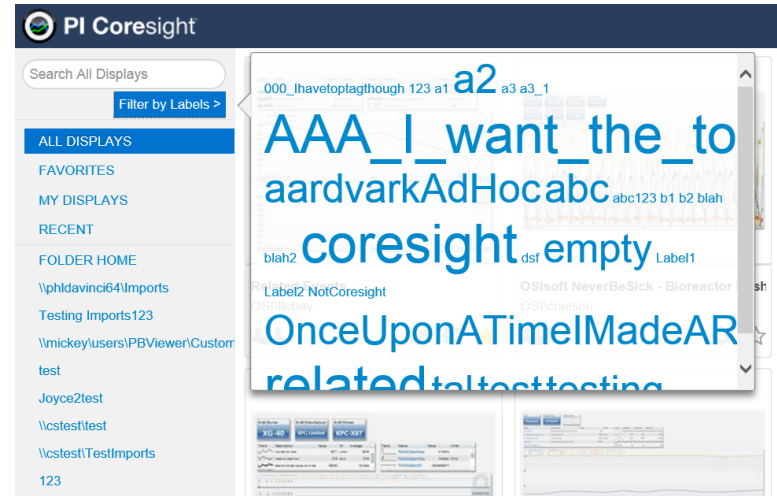


PI Coresight 2014

I need to quickly filter the list of displays to see only the ones I am interested in so I don't waste time hunting for what I want.

New Home Page

- Available using any modern browser
- Find and open native Coresight or PB displays
- Organize displays with folders or labels
- Administrator can manage any display

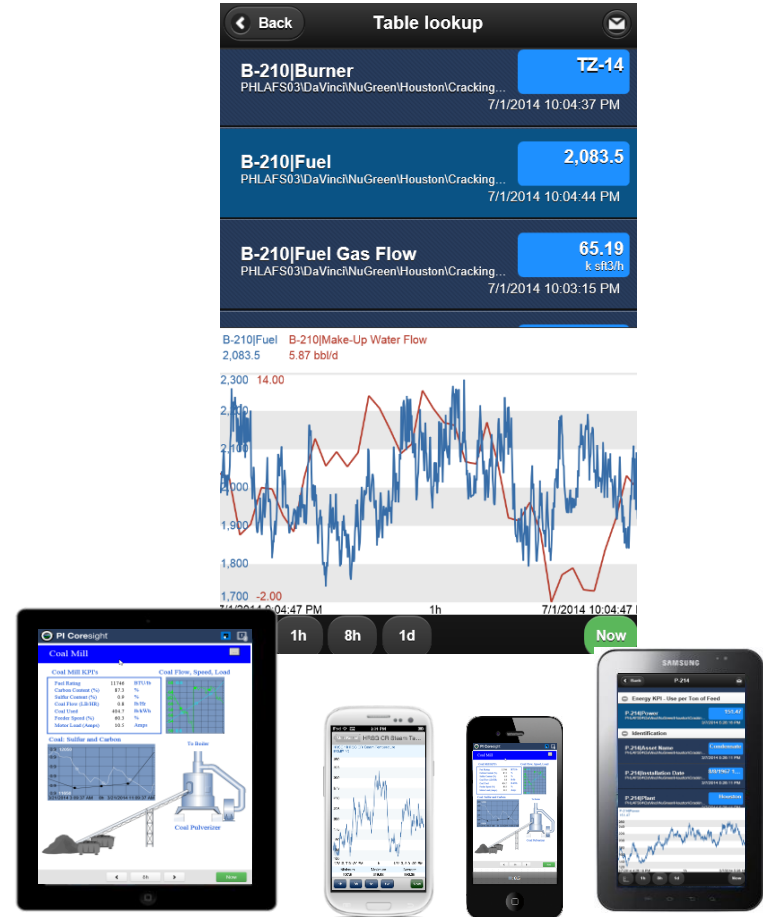


PI Coresight 2014

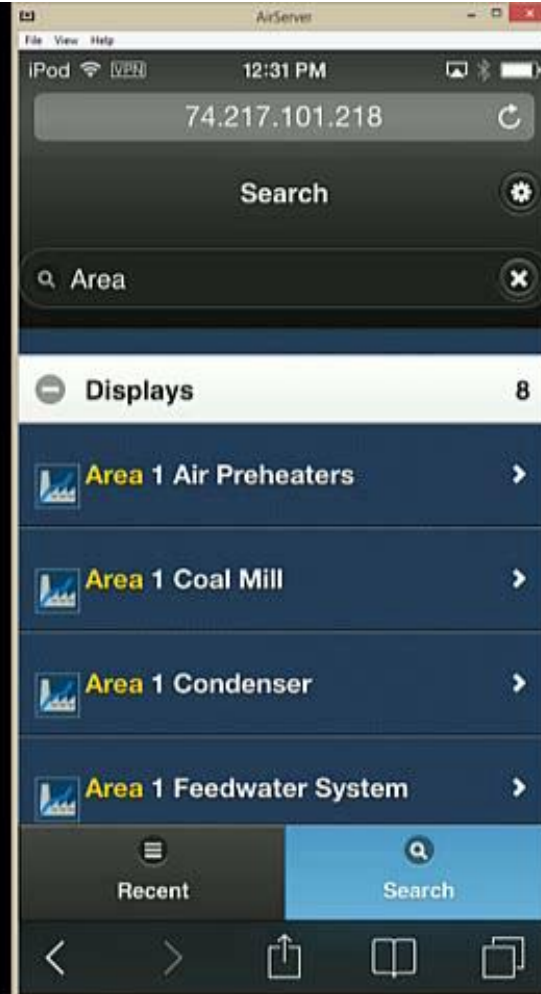
I need access to my data and displays from anywhere and with any device, so I can solve problems even before I get there.

Mobile site

- Automatically displayed on small screen devices
- Find and display native Coresight and PB displays
- Full display, data item, and asset search



DEMO

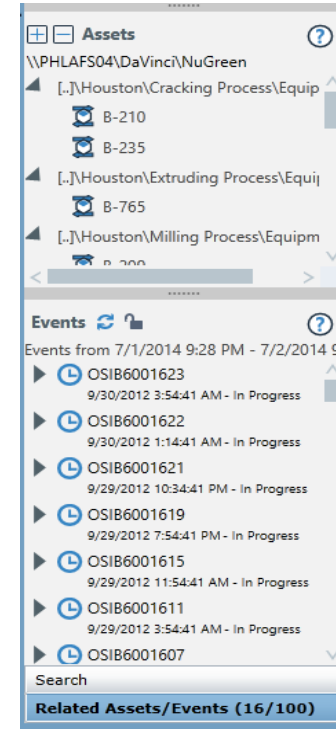


PI Coresight 2014

I need to search against millions of assets or events and return search results within seconds so I can solve problems in a timely manner.

Search service

- Returns search results in a fraction of the time compared to previous versions
- Functional with larger AF and EF databases
- Infrastructure to deliver new abilities

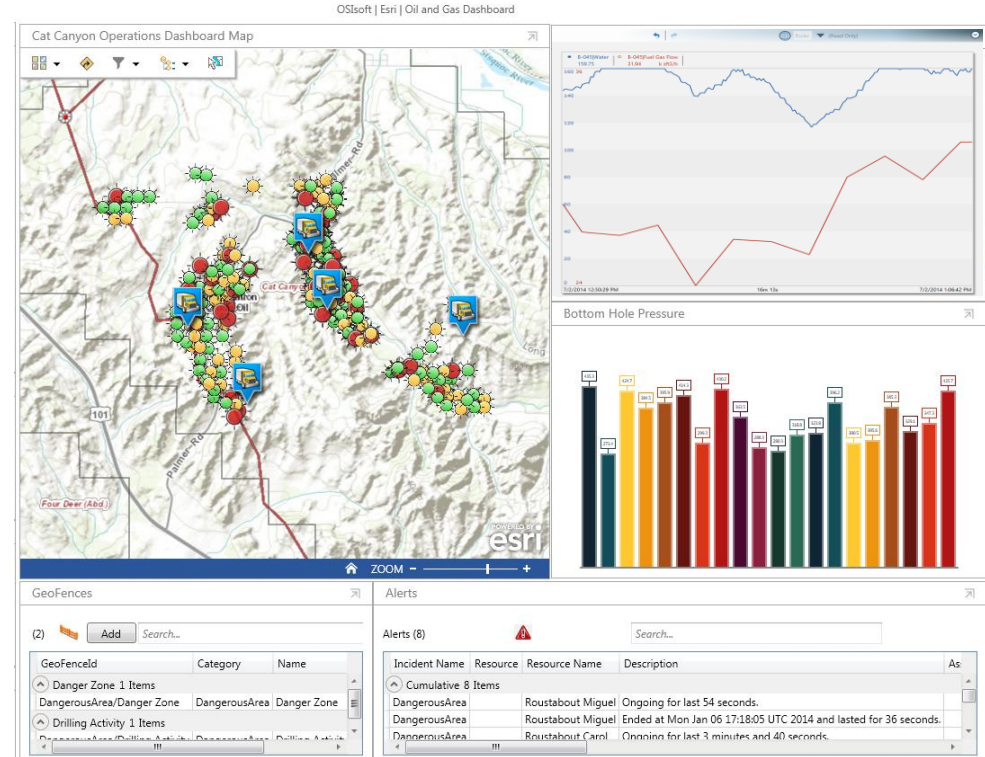


PI Coresight 2014

I need to integrating PI Coresight with business applications and portal sites to get a complete view of operations.

New URI parameters

- Hide Toolbar, Time bar
- Set element of interest for PB displays
- Set time zone for the current display



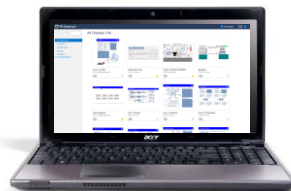
What works where?

Desktop browser
only



Displays built
in PI Coresight

Any modern browser



Homepage



Mobile site



PB Displays

Native Apps



iPad
iPhone

What's next?

PI Coresight 2015

and beyond

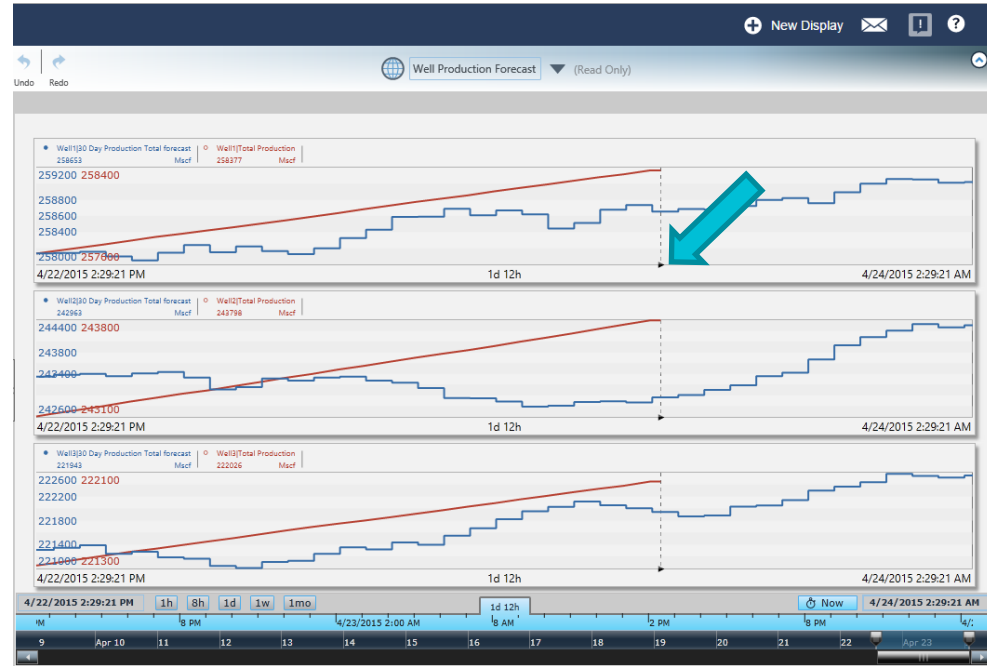
Future Data in PI Coresight 2015



1. Current Time indicator



2. Actual vs. Forecast-everything updates!



Just Future Data?

- Ad hoc display- all visible data items moved to a table
- Related Events- based on data items and time range
-  • Email link- using local mail client

Ad Hoc Display 

Events   

Events from 4/23/2015 3:17 PM - 4/24/2015 3:17 PM

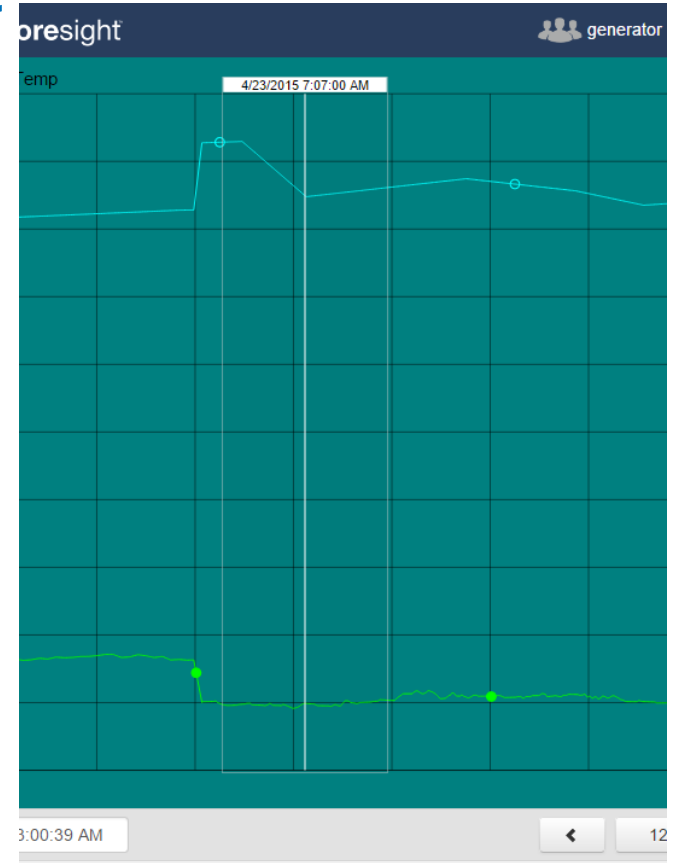
-    Well1 Casing Temp 201
4/24/2015 1:40:25 AM - 4/24/2015 1:40:25 AM
-    Well1 Casing Temp 201
4/23/2015 6:44:40 PM - 4/23/2015 6:44:40 PM
-    Well1 Well Running 201
4/10/2015 6:23:00 AM - In Progress



PB Trend Cursor in PI Coresight



- PI ProcessBook trend cursor
 - Available on pop-up trend
 - Click/tap to place
 - Drag to move or delete



Show only important data items – PI AF 2015



- Hidden property
 - Not returned by PI Coresight search
 - Still returns a value if already on a display



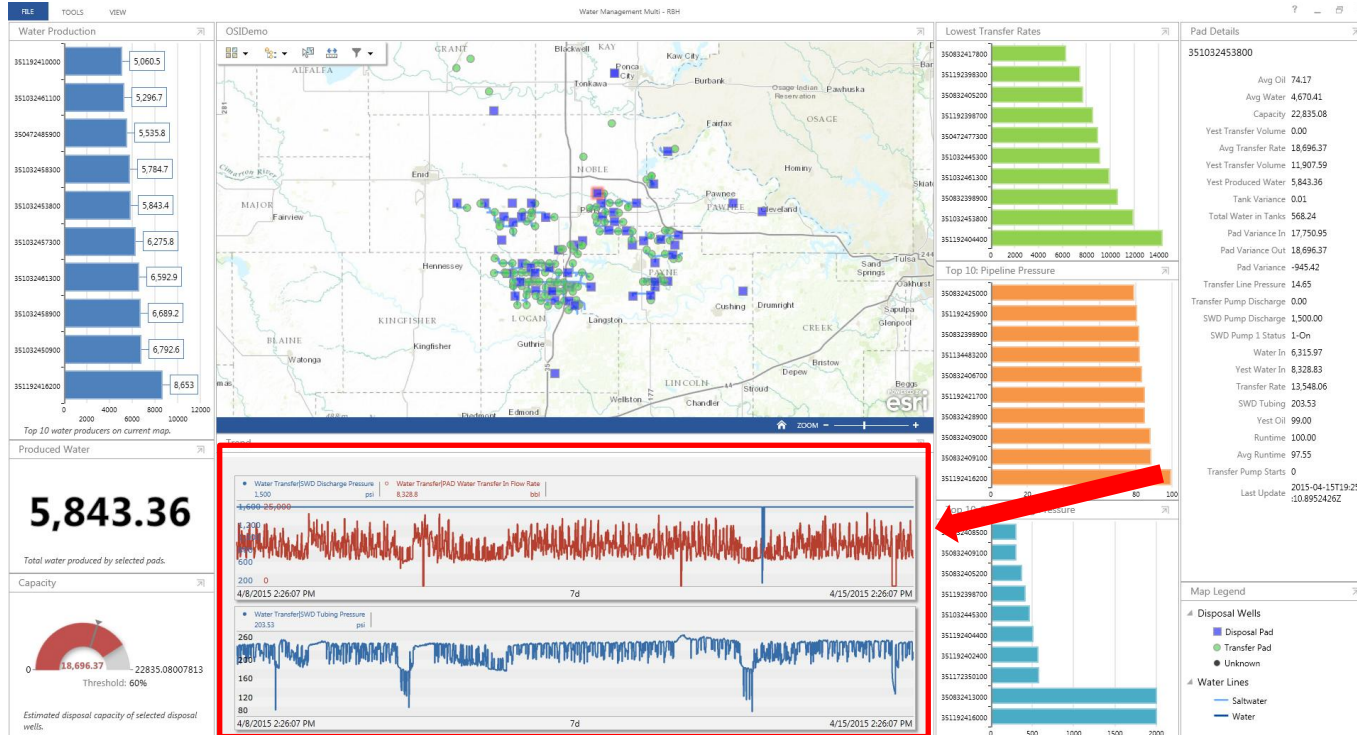
- Excluded property
 - Not returned by PI Coresight search
 - Does not return a value if already on a display

Group by: ☒ Category

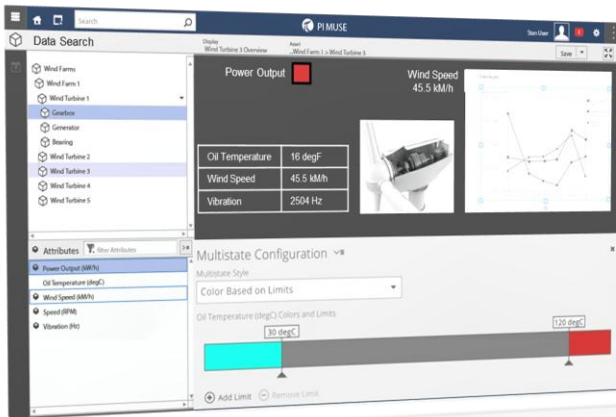
Name:	Production target
Description:	
Properties:	Hidden
Categories:	☐ Configuration Item
	☐ Excluded
Default UOM:	☒ Hidden
	☐ Indexed
Value Type:	
Default Value:	0 mscfd
Data Reference:	<None>

The power of integration

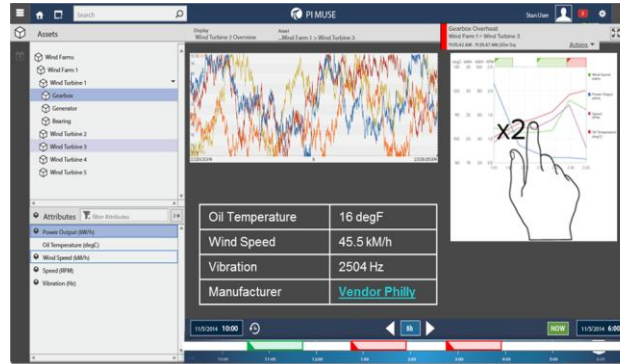
Esri Operations dashboard at Devon Energy



Visualization for today's PI System



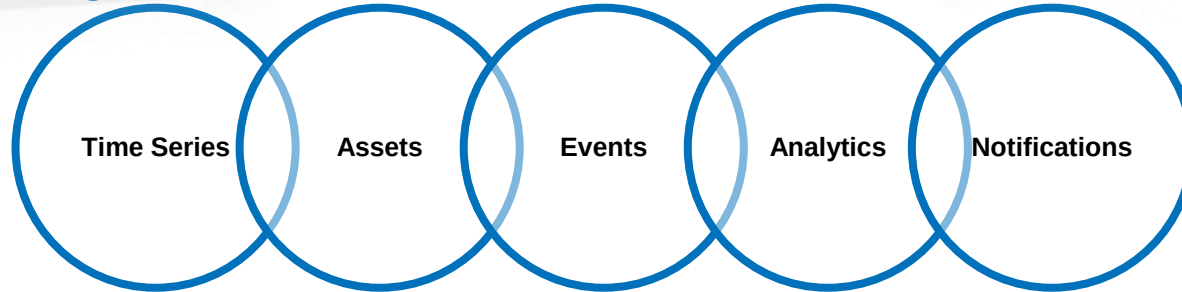
Authoring

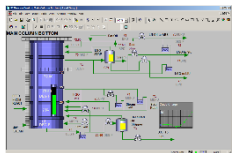


Monitoring



Ad Hoc Analysis





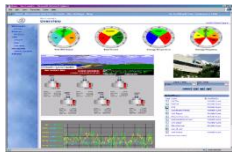
PI ProcessBook

Display Editor
Process Monitoring



PI Coresight™ 2.x

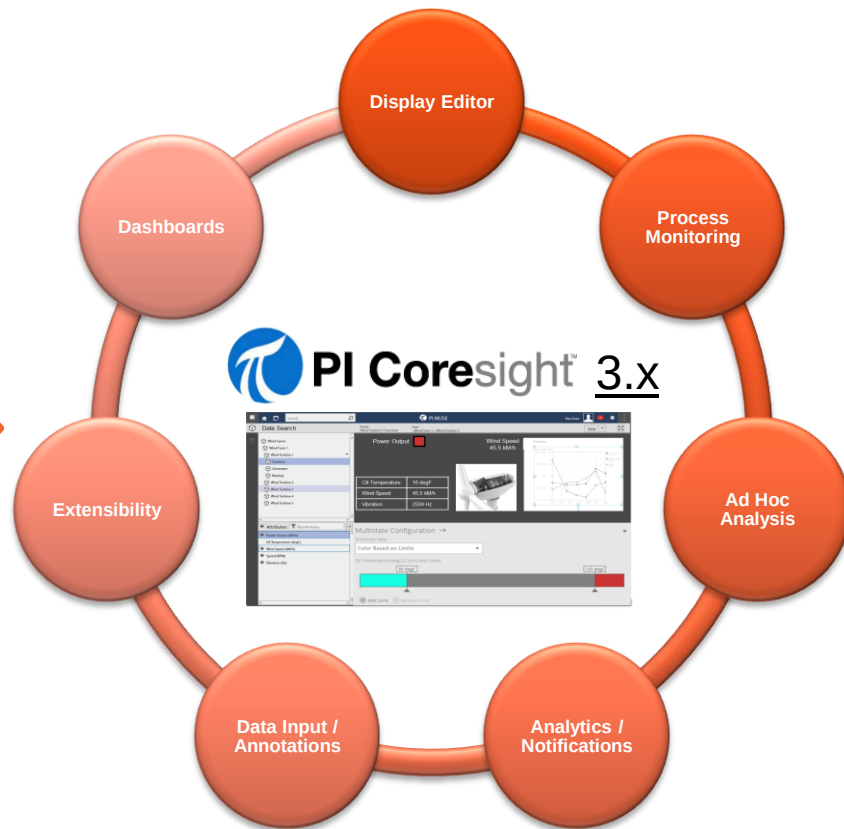
Ad Hoc Analysis
PB Display Viewer



PI WebParts

Dashboards

TODAY (2015)



FUTURE (2016+)

 PI Coresight™ 3.x

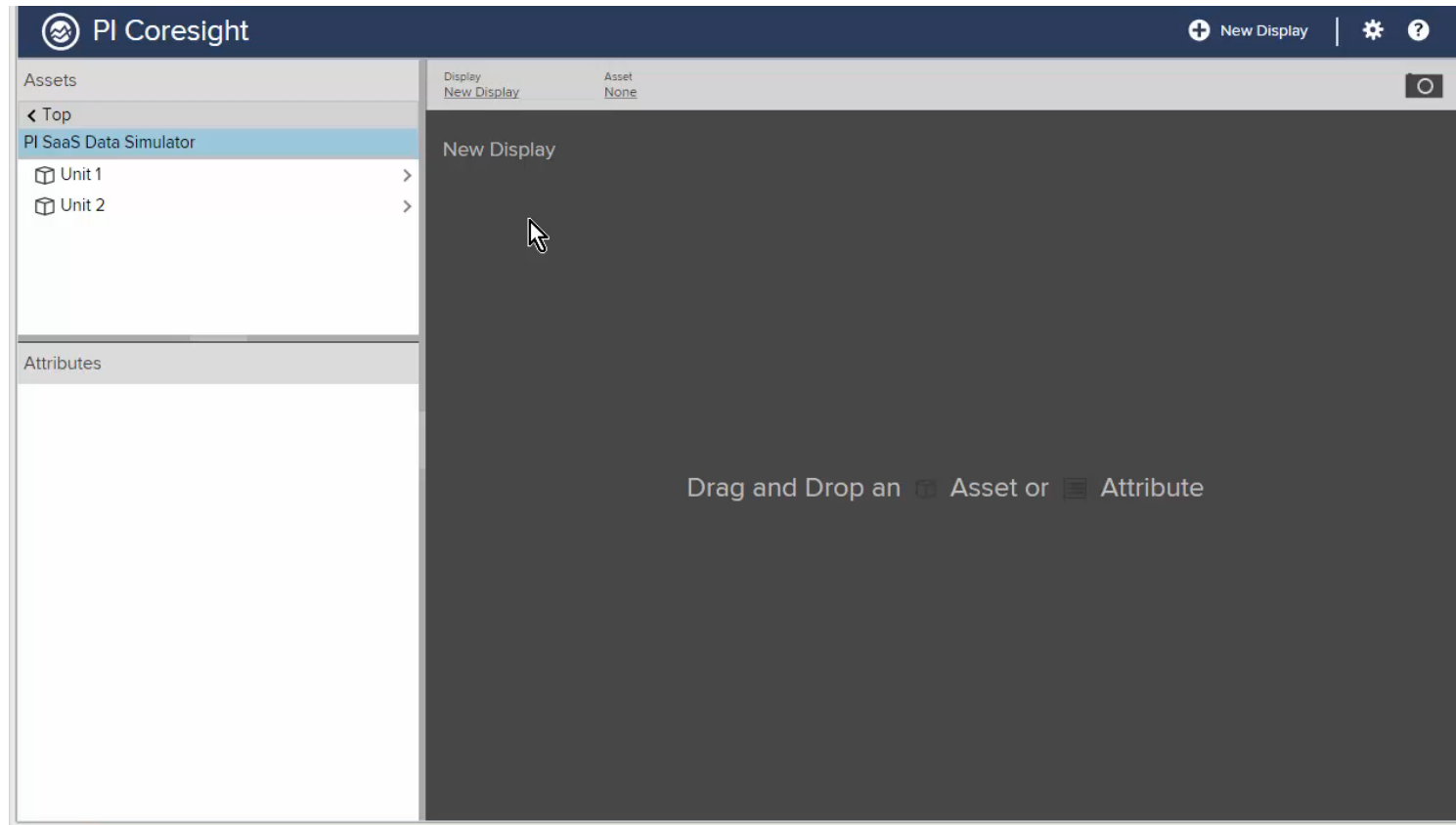
The following is a glimpse of what the development team is working on in support of the PI Coresight 3.x vision.

The functionality displayed is subject to change.

Draw me a picture



Prototype
Development



Questions?

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