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EMEA USERS CONFERENCE

BERLIN, GERMANY • SEPT 26-29, 2016



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PI Coresight 2016: New Vision, New Display Editor, New Look & Feel

Presented by **Chris Nelson**
Tom LeBay
Rene Thomassen



Customer Driven Research & Design

+150 interviews averaging +90 minutes each



What we heard from you about visualization...

“People want their data **where they are**, not where the system is”

“I have a tough time selling ProcessBook internally because it's **powerful** but to the end users **it looks heavy and old** and other tools have **5% of the functionality but look better and work over the web** and they win.”

“... that ability for an **end user** to be able to go in and configure it and get an **integrated experience** has **not been there**”



Modern visualization infrastructure



Modern visualization infrastructure

Making these capabilities available for

- Extensibility
- Office productivity
- Portal integration



A truly extensible visualization infrastructure

Who benefits from extensions?



OSIsoft Teams



Partners



Customers

A **single tool** for your visualization needs

Today



PI ProcessBook

Display Editor
Process Monitoring



PI Coresight

Ad Hoc Analysis
PB Display Viewer



PI WebParts

Dashboards

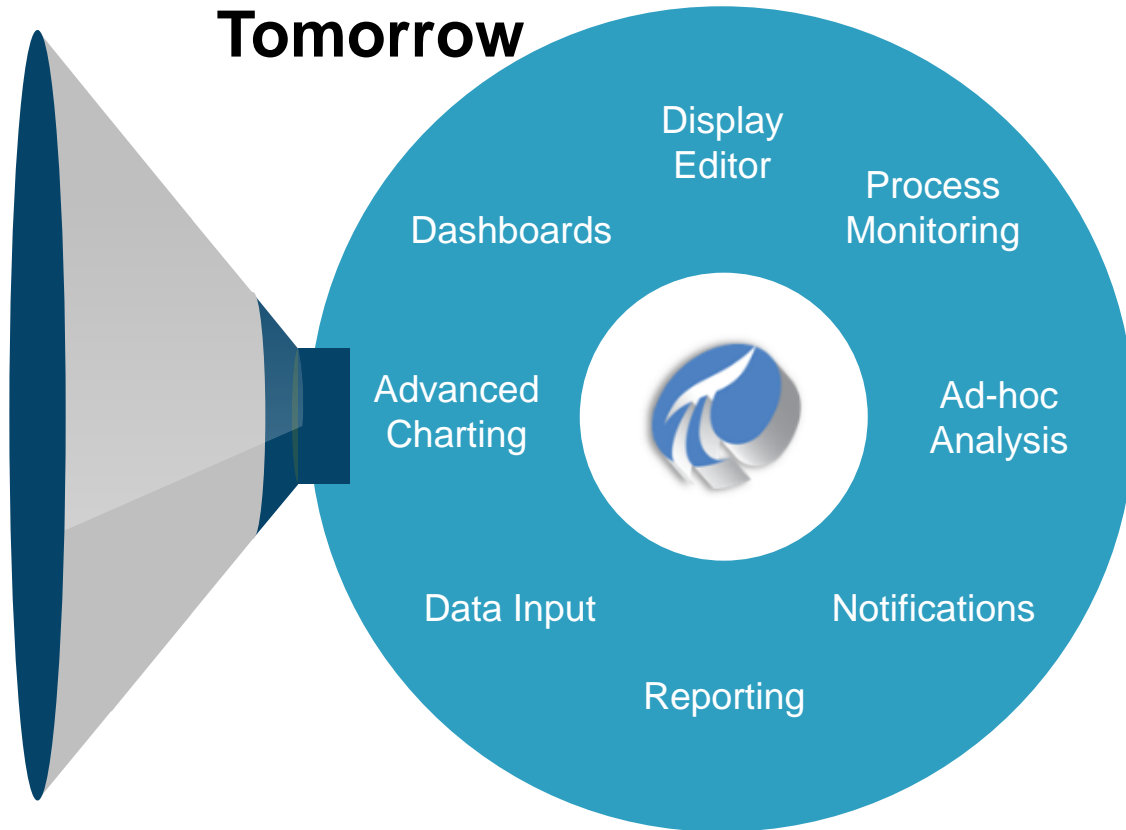


PI Manual Logger

Manual Data Entry



Tomorrow



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There are changing landscapes in the marketplace

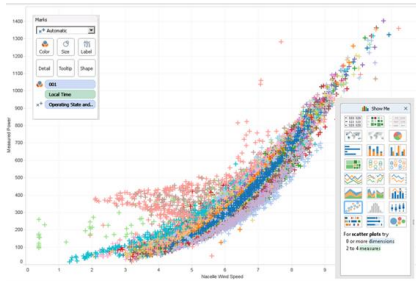
Mobile



“People want their data where they are; not where the system is.”

~ PI Customer ~

Business Analytics



“Without big data, you are blind and deaf in the middle of a freeway.”

~ Geoffrey Moore ~

Industrial IoT



“As the next evolution of computing, the Internet of Things market will be bigger than all previous computing markets.”

~ Unknown ~

Community



“I’m not interested in your data; I’m interested in merging your data with other data. Your data will never be as exciting as what I can merge it with.”

~ Tim Berners-Lee ~



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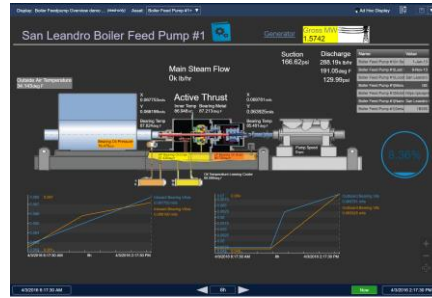
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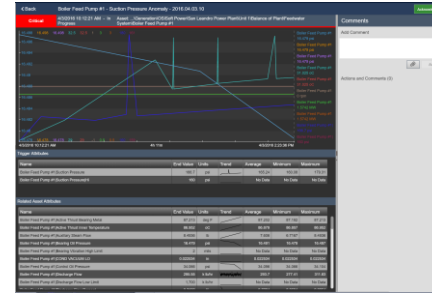
Modern Visualization for the Modern PI System



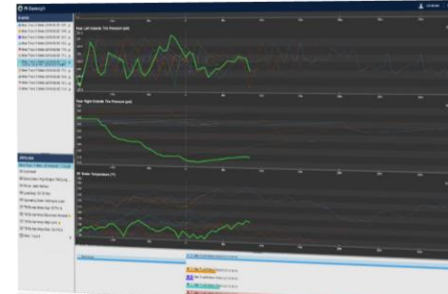
Authoring



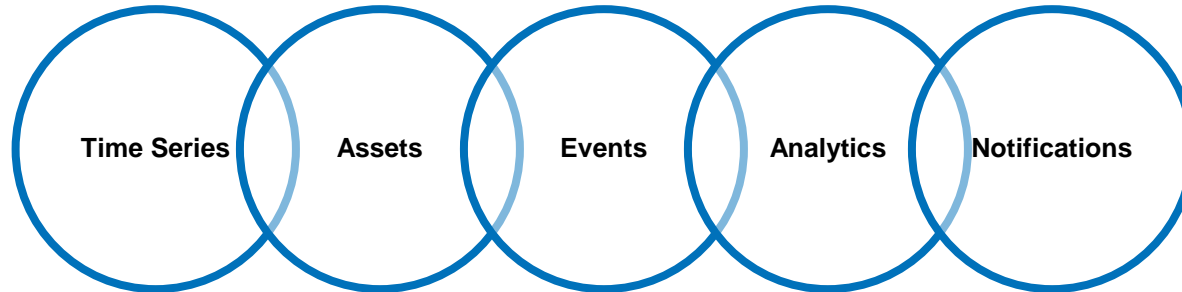
Monitoring



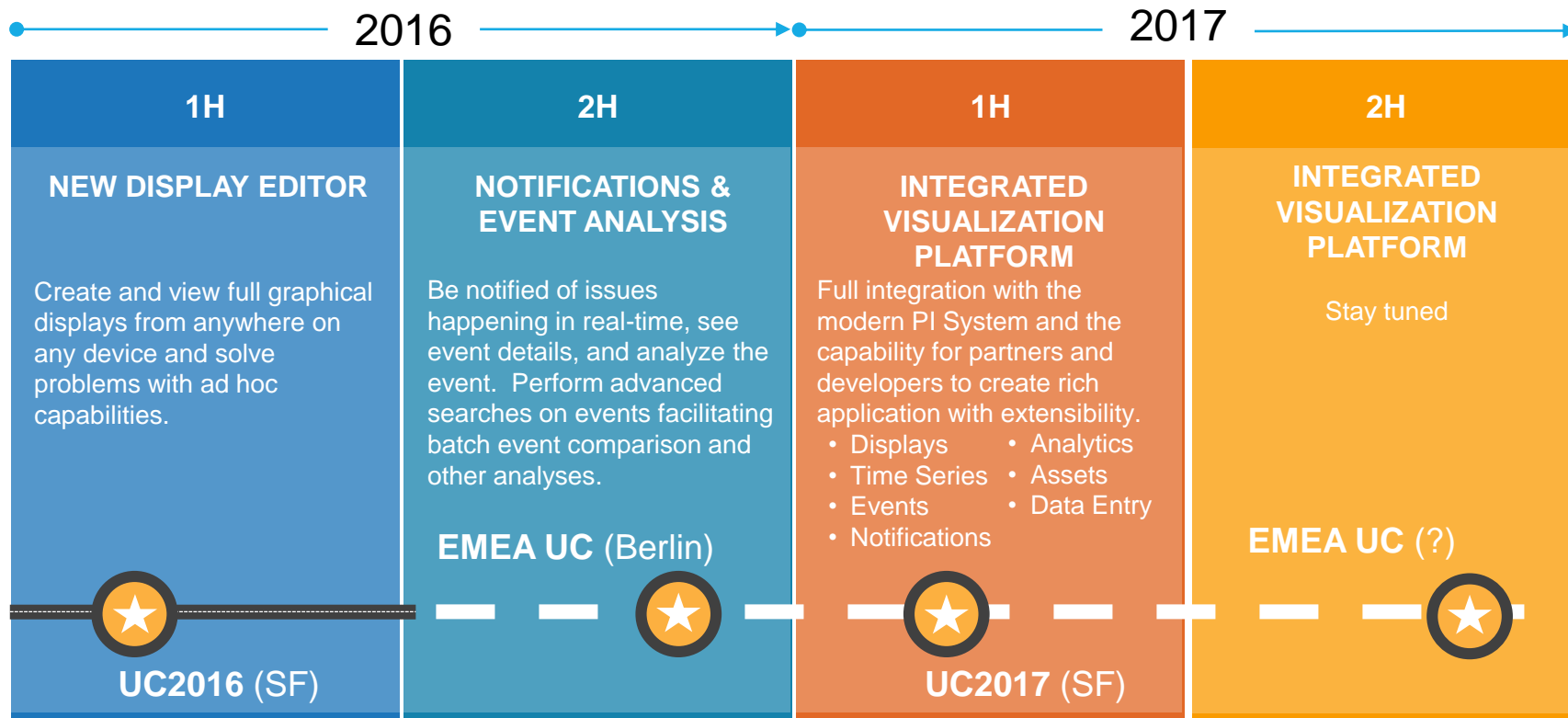
Manual Entry



Ad Hoc Analysis



PI Coresight Roadmap



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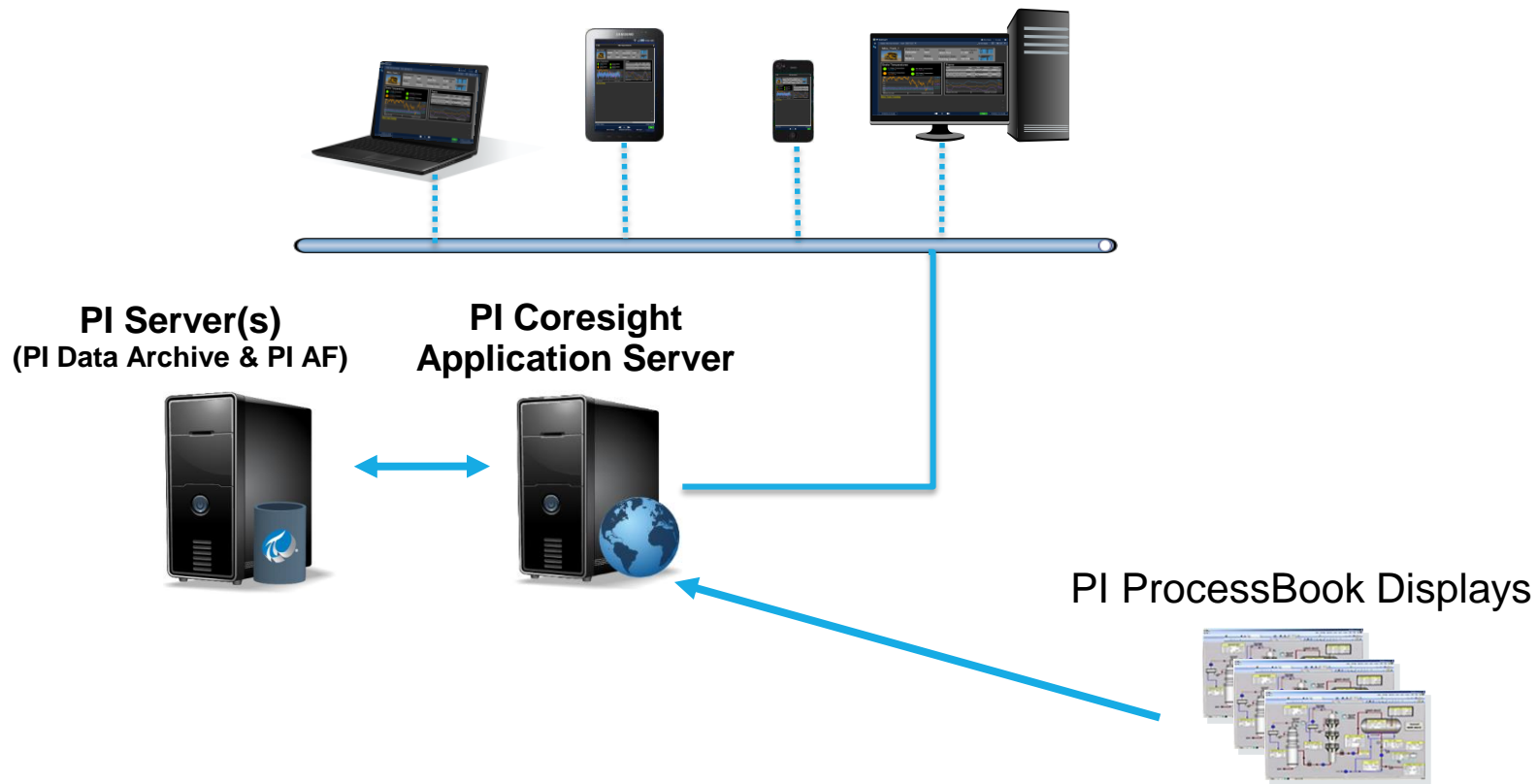
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What is PI Coresight?

- The fastest, easiest way to visualize PI System data
- Thin client application delivered through any modern browser
- Rapid deployment
- Supports collaboration and information sharing
- Easily integrated into other web applications

PI Coresight Architecture - Access your data everywhere



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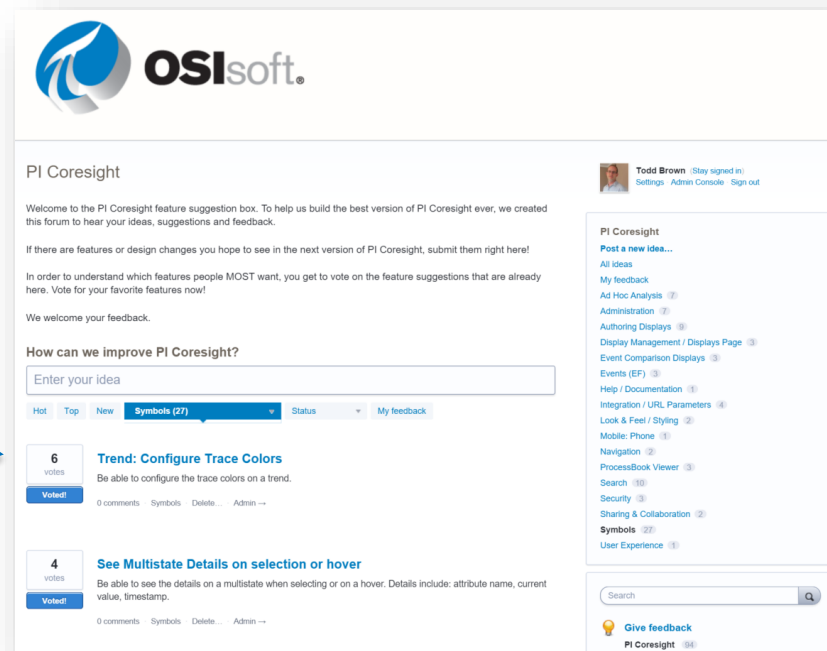
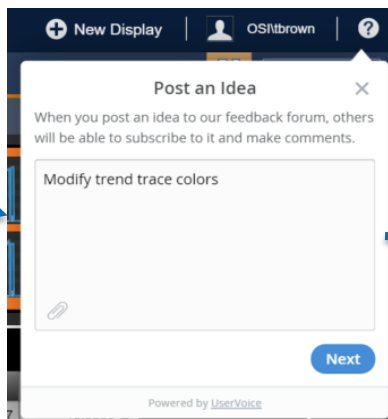
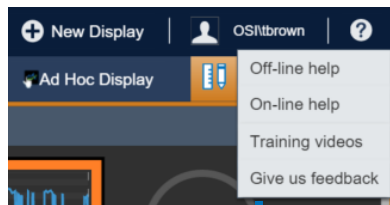
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Your ideas matter



Integrating Customer Feedback into the Product



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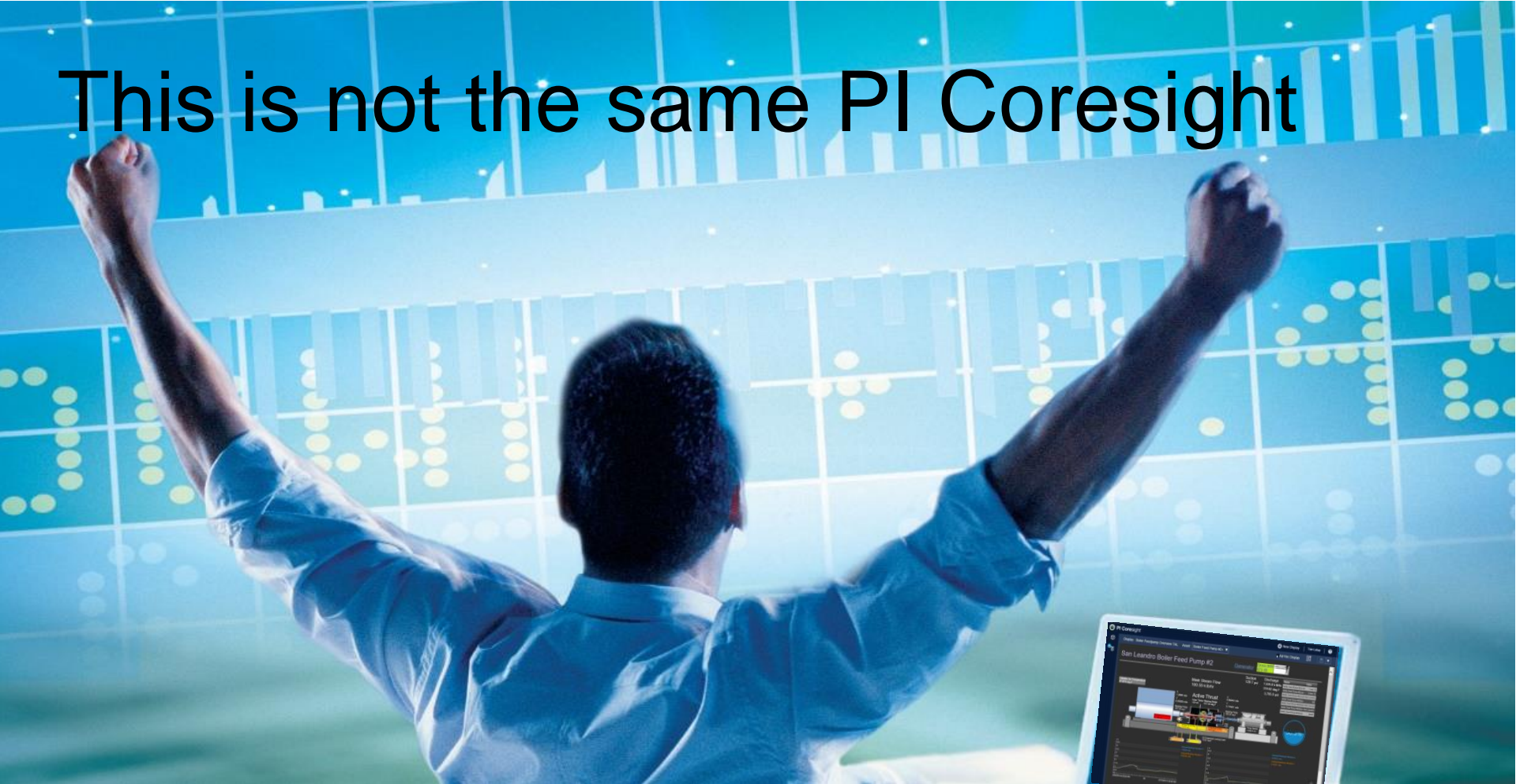
Direct user input is making a more valuable product

- 266 Ideas Submitted
- 11 complete in 2016 R2 (9 of the top 20)
 - Migrate displays between systems
 - Advanced Event Search
 - Export Data
 - Symbol switching
 - Gauge Symbol
 - Need one
 - Need it to be configurable
 - Multi-state
 - Trend
 - Control trace color
 - Scale configuration

Title	Votes
Trend: Configure Multiple Scales	76
Library of standard graphical symbols	47
XY Plot	39
Create Display Folders & Manage User Access with Folders	38
Gauge: Radial Gauge	36
Copy or migrate displays between systems & reassign data items	33
Configure the Display Canvas Background Color	31
Specify the font size for a symbol	31
Trend: Configure Trace Colors	29
Dashboard or watchlist (in a table)	25
Event Frame Advanced Search	23
Exporting Data	21
SQC (Statistical Quality Control) Symbol	21
Support multiple time ranges for trends on a display	20
Symbol Changer: Change symbol type from one symbol to another	19
Assign Displays to Groups of Users	18
Multistate gauge driven by other attribute than visible value	17
Navigation: Link to a Display with Asset Context	17
Print a display as a report	17
Events Table / Events Dashboard	16



This is not the same PI Coresight



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See more, Know more, Do more



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Demo

- Full graphical display
- Compare similar events
- Event details



Recap- Problem Solving with PI Coresight

- **Full graphical display**

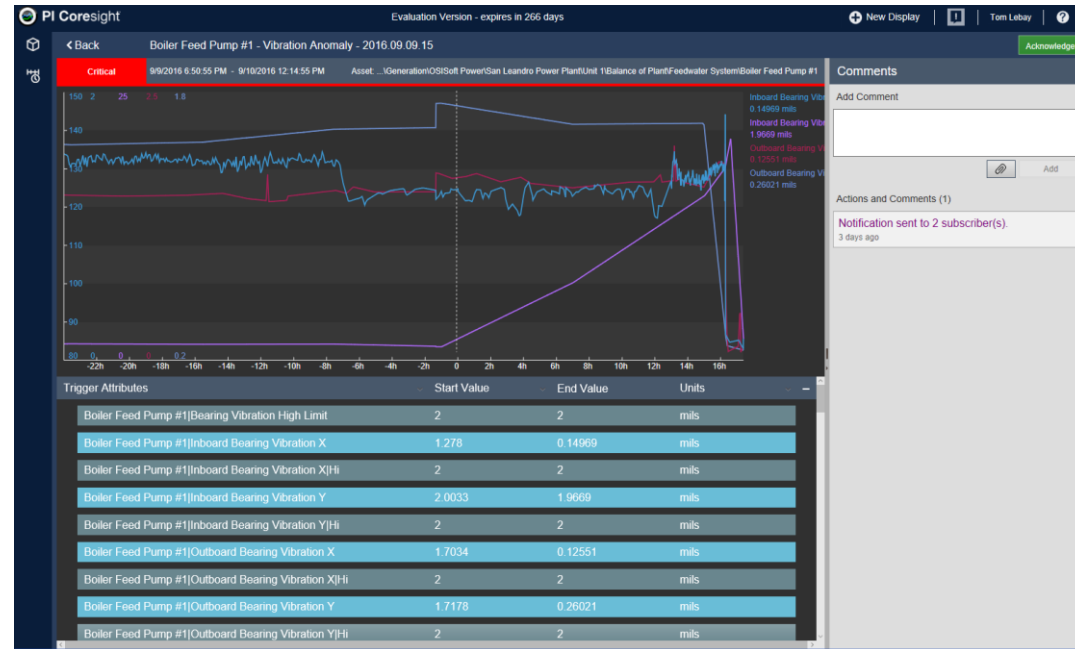
Use graphics and size and position to communicate

- **Compare similar events**

Easily spot similarities or differences

- **Event details**

Acknowledge and comment to collaborate with others



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Build it and they will come



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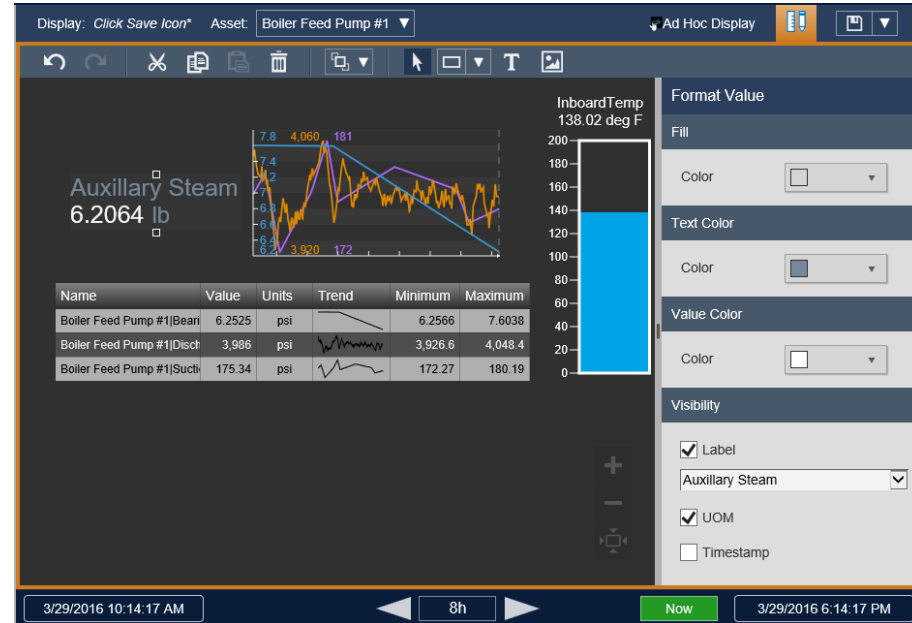
Demo

- Multi-state symbols
- PI AF traits
- More Event Comparison
- Share with a group
- Extensibility



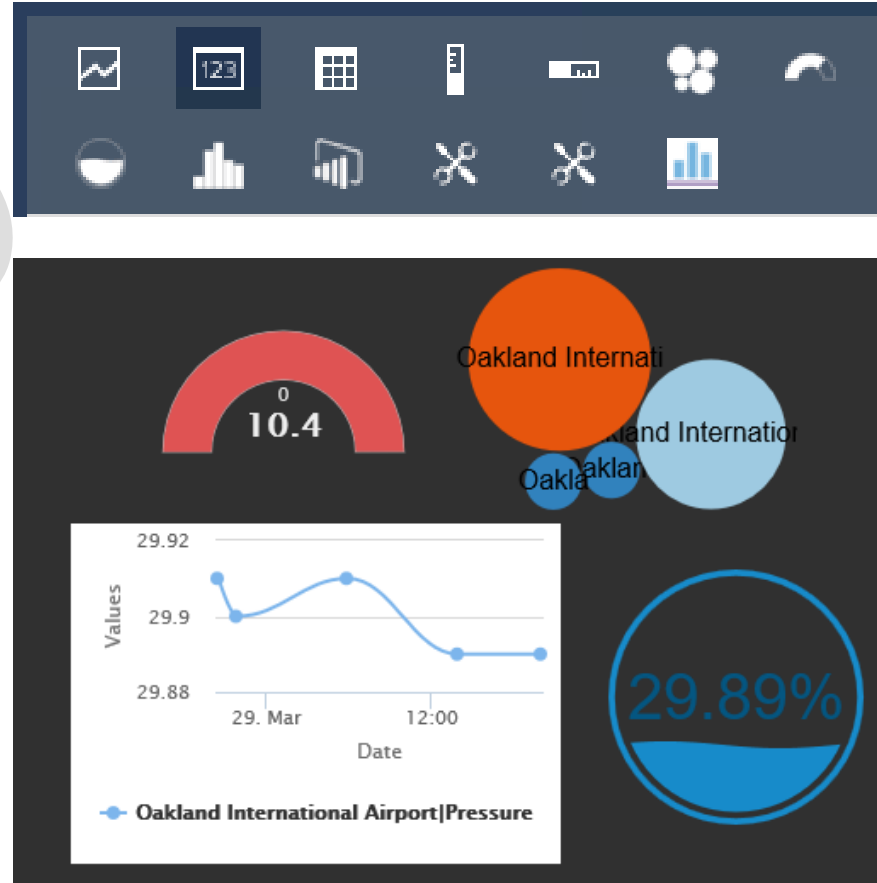
Recap- Editing a Display

- **Graphic display editing**
Build rich displays
- **Multi-state**
Draw attention to what's important
- **Use PI-AF traits**
Make limits consistent and sustainable
- **More Event Comparison**
Align and zoom to analyze
- **Share with a group**
Share with a specific group of users
- **Extensibility Framework (CTP)...**



Extensibility Framework (CTP)

- Use like any other symbol
- Data Access
- Persistence
- Undo/Redo
- Configuration



Your Data, Your Device



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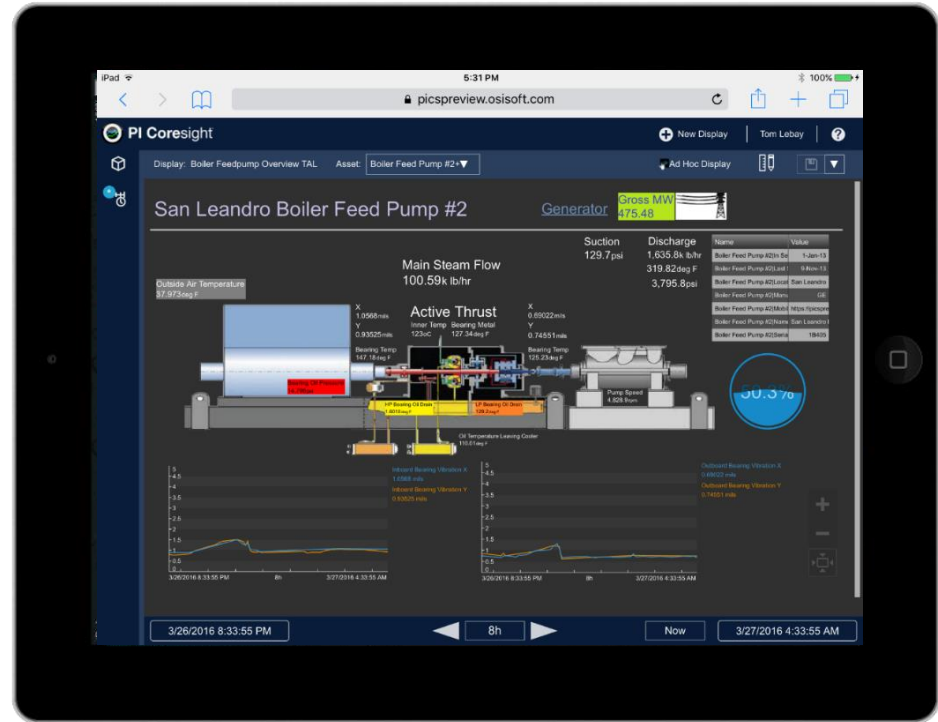
Demo

- Consistent views
- Context switching
- Event & comments



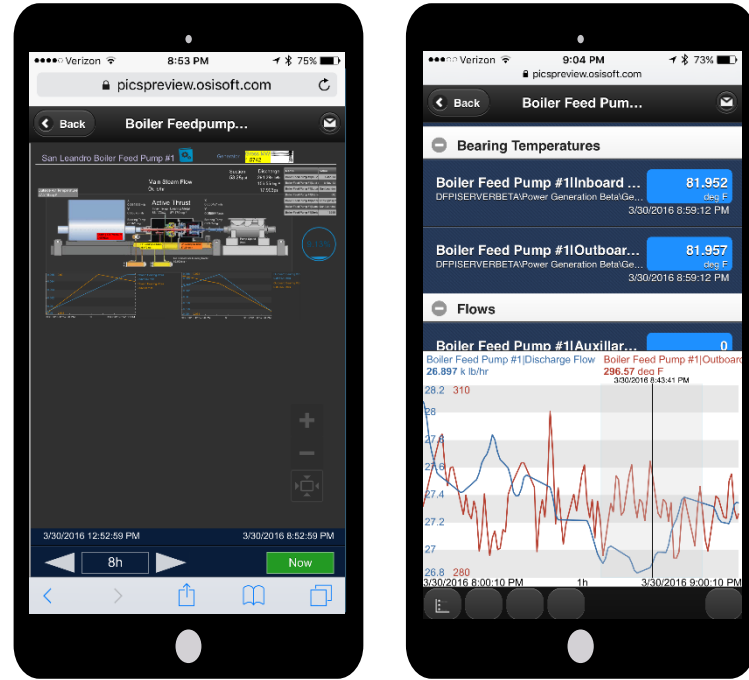
Recap- Tablet experience

- **Full graphical view**
See the same view no matter what device
- **Context switching**
Reuse the same displays to view similar asset
 - User specific search root
- **Events**
View event comparison or event details
 - View and add comments



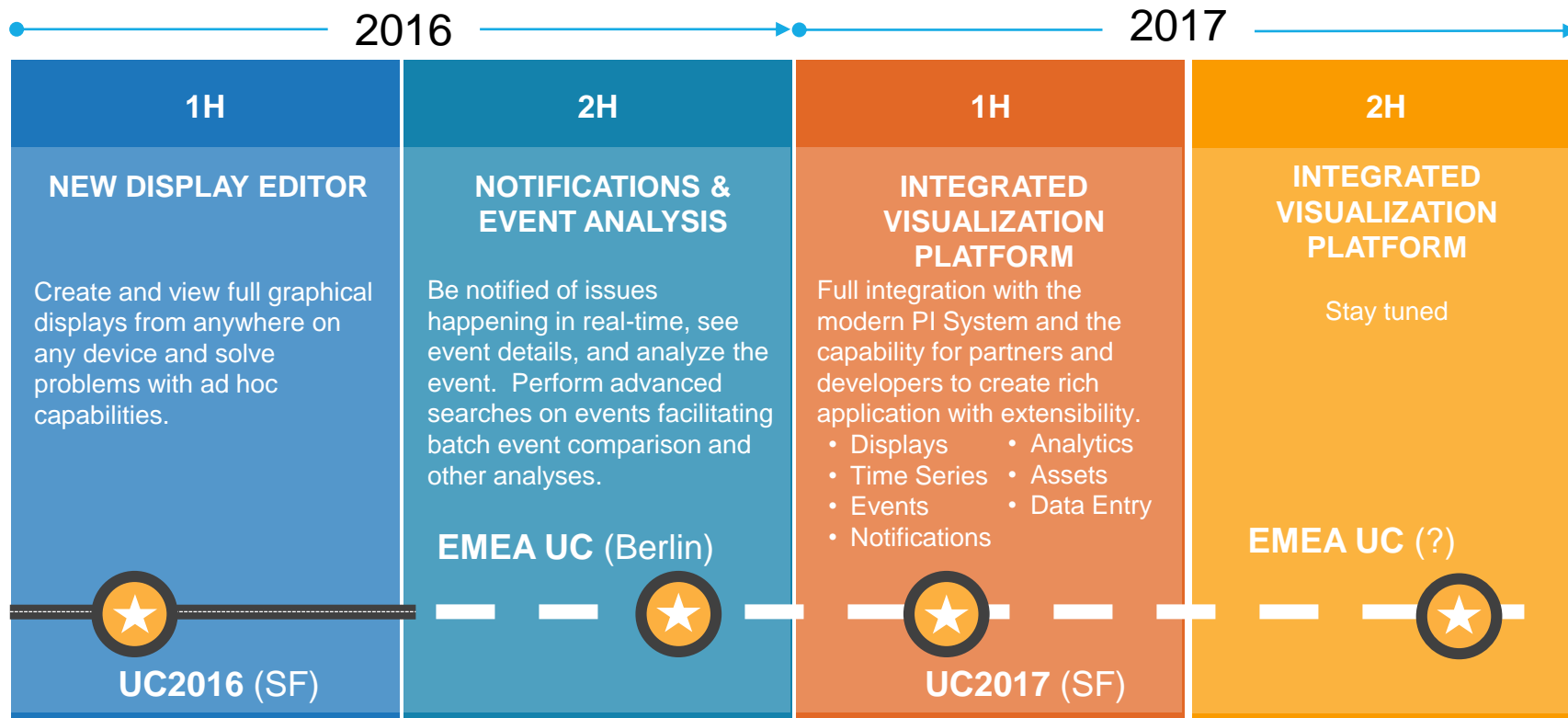
Phone experience

- Full graphical view of displays
- Compact view of Assets
- Time manipulation
- Share link via email



PI Coresight display viewed on a Phone

PI Coresight Roadmap



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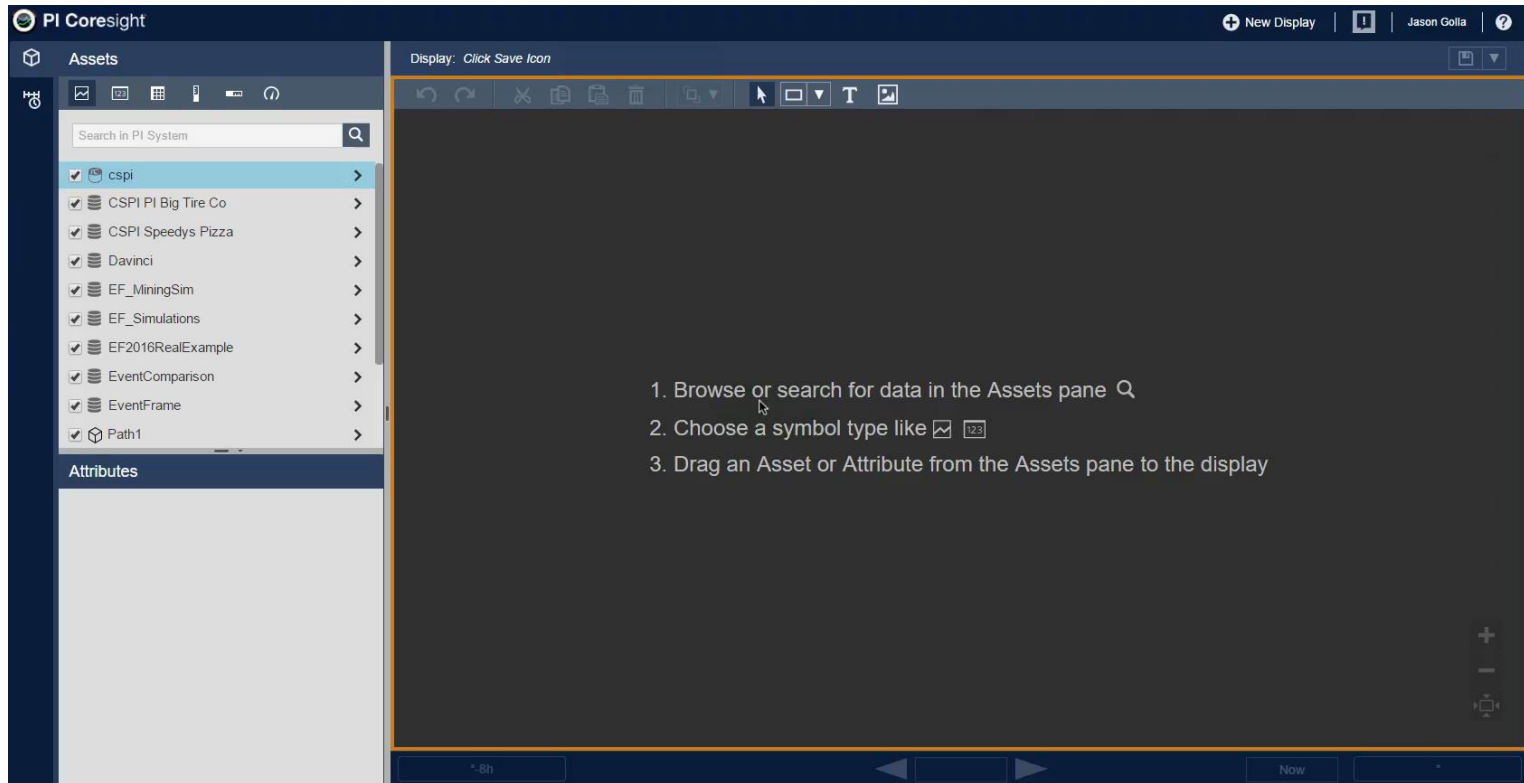
Some of the exciting things we have planned for 2017...

- XY Plot
- Multi Select and Grouping of objects
- Asset Comparison Table
- Reference Events
- Events Table

And...something we are calling collections

Dynamic display content based on asset context

Prototype demo, expected functionality in 2017



Questions

Please wait for the **microphone** before asking your questions

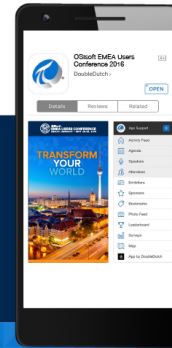


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감사합니다

谢谢

Danke

Merci

Gracias

Thank You

ありがとう

Спасибо

Obrigado



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