

PI Vision 2017

Presented by

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Our commitment to YOUR needs

You told us...

Control center, Desktop, Mobile

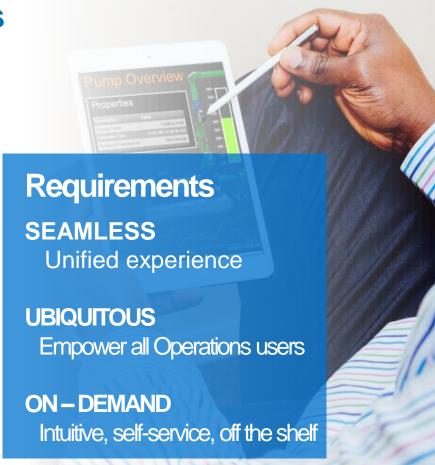
When Real-time: Past, Present, Future

How Operational Intelligence

Advanced Analytics

Business Intelligence

Enterprise Reporting





PI Vision

We are embarking on a unified visualization infrastructure to deliver a seamless, powerful, extensible experience.

Create
Beautiful
Information
Displays &
Dashboards

Monitor and Optimize Complex Processes

Analyze and Compare Important Events

Input Critical Data in Context

Your window into operational intelligence

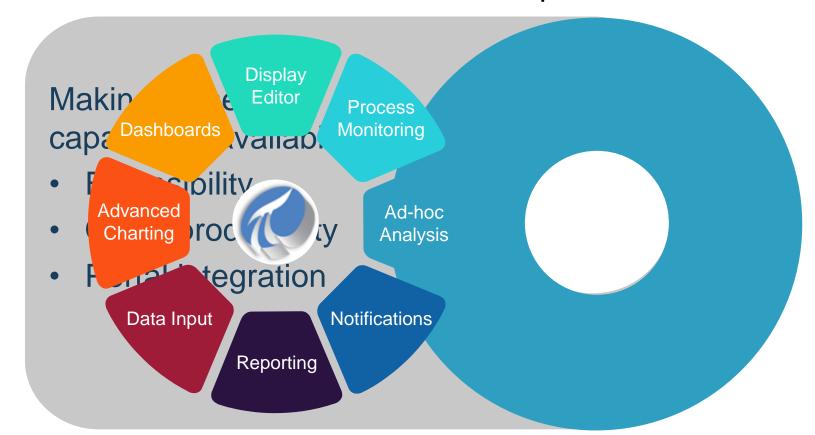








Unified visualization infrastructure: core capabilities







Visualization Execution Strategy – Focus & Goals

Modern architecture

Leverage latest technology to stay relevant



Value-add features

Enable customers to solve new problems and derive more value



Process Graphics

Provide PI ProcessBook customers a path forward





Partner enablement

Actively support partners to develop solutions on our platform



Extensibility

Enable the community-at-large to build customizations & extensions



Superior data access

Ensure PI Web API is focused to meet the service layer needs







Visualization Roadmap

2018 2017 -2016 **1H** 2H **1H** 2H **1H Editor Refinements** Integrated **New Display Notifications & Asset aware displays Visualization Platform Editor Event Analysis** Situational Awareness Greater control over New architecture allows Display objects Be notified of issues Create and view full formatting and new delivery options and automatically reflect the happening in real-time, graphical displays alignment. Full release asset structure. Use see event details, and from anywhere on of XY Plot and Event new capabilities reference events to analyze the event. any device and solve compare events to a Perform advanced problems with ad hoc standard. Drill in searches on events. capabilities. **EMEA UC EMEAUC** (Berlin) (London) **UC2016 (SF) UC2018** (SF) **UC2017** (SF)











PI Vision 2017

Collections

 New Asset and Event table

- New User Types
 - Publisher
 - Explorer

XY Plot Symbol

Pinned Events

Graphic Library

 Drill-in Display Navigation

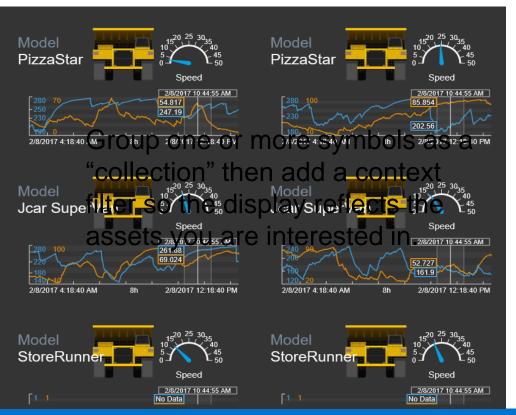






Collection – Spend less time manually updating displays









Asset and Events Table



Asset Table- Easily view and compare asset performance in a table format.

Asset	CIP Acid Tank Level	CIP Caustic Tank Level	CIP Supply Tank Level	recirculation EPWash State
CIP_123_SKID	31.82	63.221	0	non recirc
CIP_124_SKID	88.382	36.977	0.013409	non recirc
CIP_422_SKID	39.44	22.573	-0.0062218	non recirc
CIP_432_SKID	No Data	No Data	-0.0081825	non recirc

Event Table- Always see the most important and relevant events.

 Use search criteria to show events based on asset type, severity, hierarchy, and more.

Event Name	Asset	Y Start Time ▲ Y	End Time	Acknowledgement T
Engine Temperature High 2017-01-07 03:56:21.000	Sp6	1/7/2017 3:56:21 AM	In Progress	Acknowledge
Engine Temperature High 2017-01-07 10:45:51.000	Sp5	1/7/2017 10:45:51 AM	In Progress	Acknowledge
Gas Tank Level Low 2017- 03-09 06:49:13.000	Sp4	3/9/2017 6:49:13 AM	3/9/2017 9:24:13 AM	Acknowledge
Gas Tank Level Low 2017- 03-09 06:49:13.000	Sp4	3/9/2017 6:49:13 AM	3/9/2017 9:24:13 AM	Acknowledged

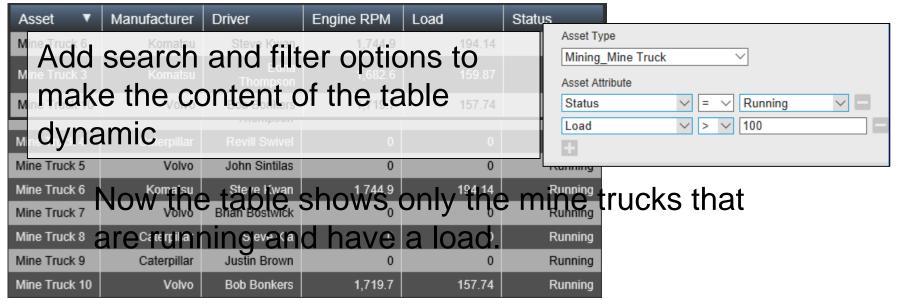






Asset Table- Easily view and compare asset performance







User Types- Assign varying levels of capabilites



Publisher

- Targeted for content creators who need the ability to create and save new dashboards and analysis views.
- The Publisher user type is equivalent to the traditional PI Coresight user that has existed in all previous versions of the product.

Explorer

- The Explorer user type can not save any new displays or changes to existing displays.
- An Explorer can use the full power of existing displays to switch context, adjust time and investigate events. Explorers can even create ad-hoc displays but they do not have the ability to save any of this work.

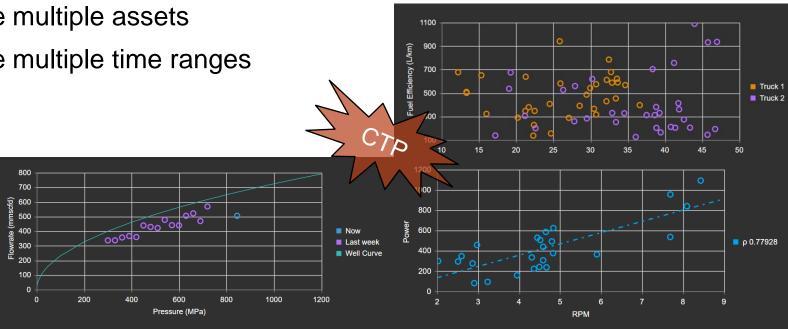




XY Plot – Correlated data



- Correlations between attributes
- Compare multiple assets
- Compare multiple time ranges

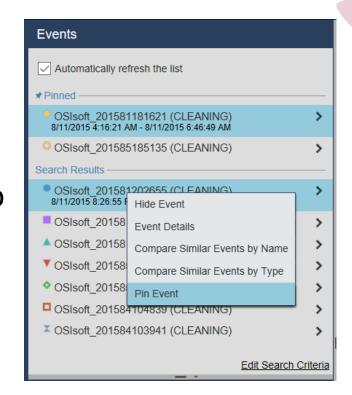






Pinned Events- Reference or "Golden" event

- Identify batch process deviation by comparing to a reference
 - "Pin" one or more events, to be used as a reference
 - Pinned events are saved with the display







Graphics Library- Standard library of industrial graphics



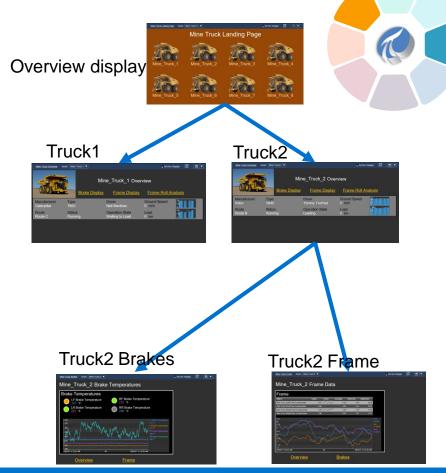
Use an extensive library of graphic symbols to enhance a display





Drill-in Navigation- Dashboarding

- Configure a URL link on any symbol
 - Link to another display or another website.
 - When connecting to another display the context (time and/or selected asset) can be passed as part of the link









Demo





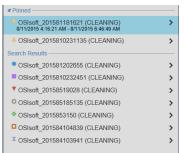


PI Vision 2017

Collection



Pinned Events



Graphic Library



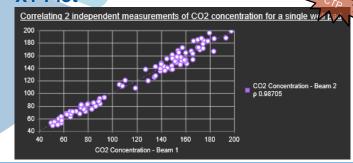
Drill-in Navigation



Asset and Events Tables

7330	tana	LVCIItS	labics	~
Event Name	Asset	Y Start Time ▲	T End Time	Acknowledgemen
Engine Temperatu High 2017-01-26 06:21:43.000		1/26/2017 6:21:43 A	MM 1/26/2017 7:57:43 AM	Acknowledge
Engine Temperatu High 2017-01-26 07:14:43.000		1/26/2017 7:14:43 A	MM 1/26/2017 8:22:43 AM	Acknowledge
Gas Tank Level Lo 2017-01-26 07:23:43.000	W SP8	1/26/2017 7:23:43 A	MM 1/26/2017 7:32:13 AM	Acknowledged
Gas Tank Level Lot 2017-01-26 07:34:13.000	W SP8	1/26/2017 7:34:13 A	MM 1/26/2017 7:36:13 AM	Acknowledged
Engine Temperatu High 2017-01-26 08:25:13.000		1/26/2017 8:25:13 A	MM 1/26/2017 8:25:43 AM	Acknowledged
Engine Temperatu High 2017-01-26 08:29:13.000		1/26/2017 8:29:13 A	MM 1/26/2017 8:57:13 AM	Acknowledge

XY Plot









PI Vision 2017 R2

What's coming next...

- Refinements for XY Plot and Events Table
- Server side enhancements for PI Web API
 - Performance and Scalability
 - Groundwork for client side data access
- Editor improvements
 - Snap to Grid
 - Display printing
 - Improved font size control
 - Display level number format













https://feedback.osisoft.com/











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Questions

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감사합니다

Merci

Danke

谢谢

Gracias

Thank You

ありがとう

Спасибо

Obrigado



