

PI Vision: Real-time monitoring and Analysis for the Enterprise

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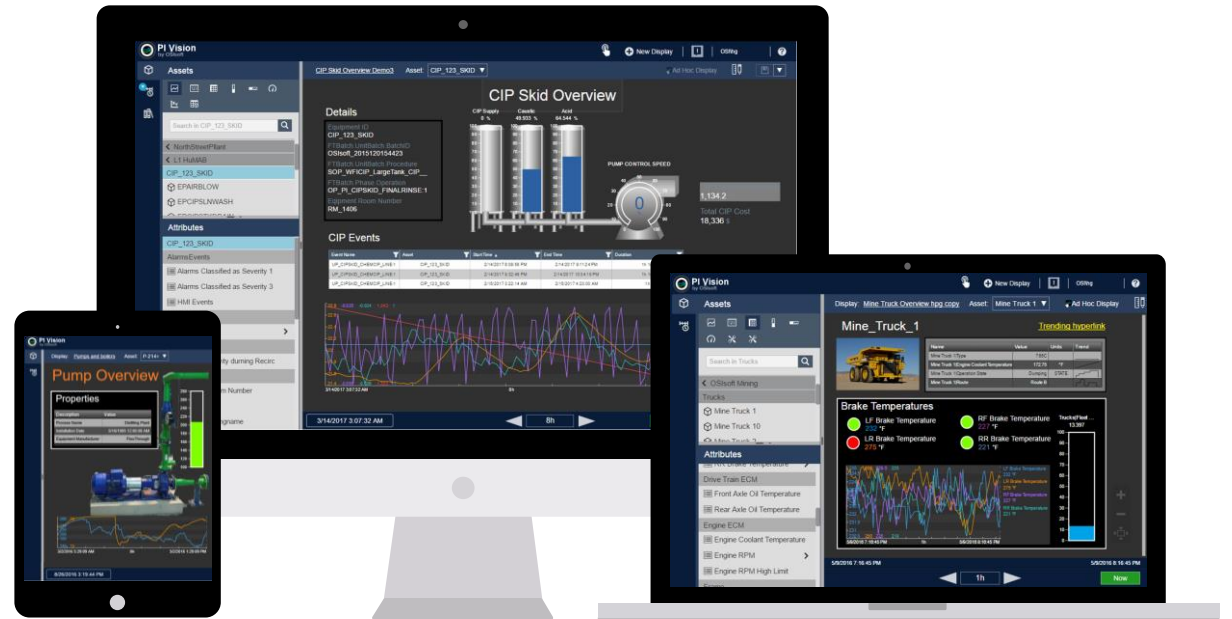
Agenda

- PI Vision and OSIsoft visualization
- What's new in development
- Demo

What is PI Vision?

The fastest, easiest way to visualize PI System data

- Access data from any web browser, including **mobile** device browsers
- Collaborate and **share** comments across the company
- Deploy and **roll-out rapidly**



Driven by Customer Research

+190 interviews averaging +90 minutes each to understand

- How are your visualization needs changing?
- What will help you be more successful in your role?

PI Vision

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

Create
Beautiful
Information
Displays &
Dashboards

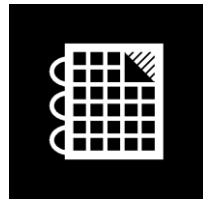
Monitor and
Optimize
Complex
Processes

Analyze and
Compare
Important
Events

Input Critical
Data in
Context

Your window into operational intelligence

PI Vision: A Critical Piece of the Infrastructure



PI ProcessBook
Process Monitoring



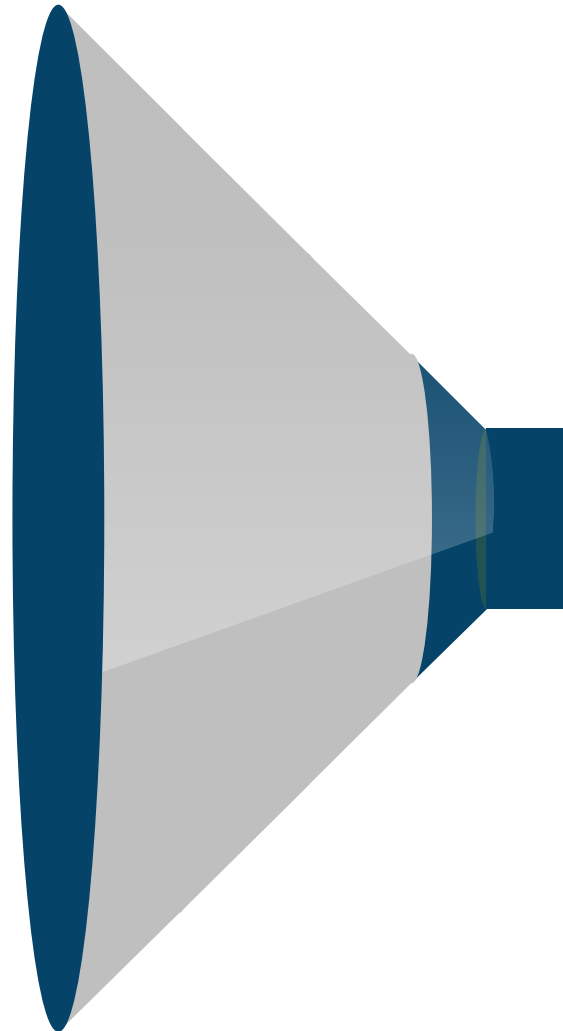
PI Coresight
Ad Hoc Analysis



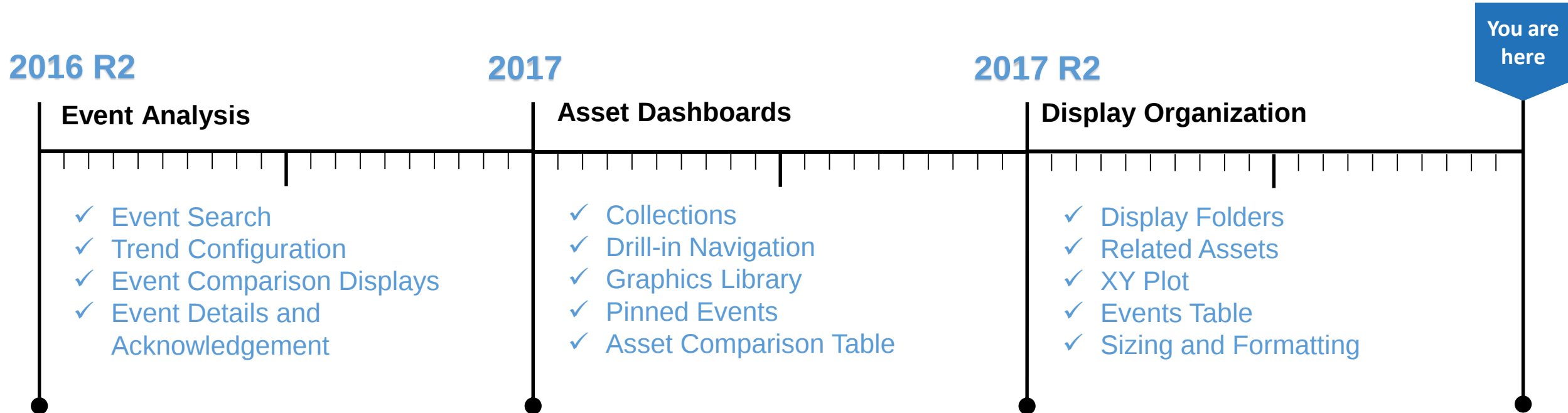
PI WebParts
Dashboards



PI Manual Logger
Manual Data Entry



Our Journey so far



PI Vision 2017 R2

You are here

2016 R2

2017

2017 R2

Event Analysis

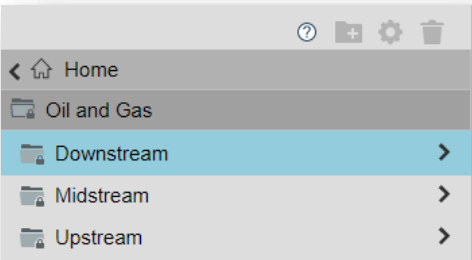
- ✓ Event Search
- ✓ Trend Configuration
- ✓ Event Comparison Displays
- ✓ Event Details and Acknowledgement

Asset Dashboards

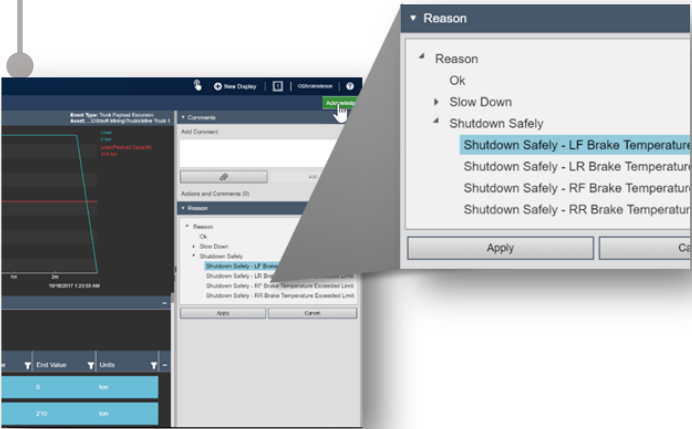
- ✓ Collections
- ✓ Drill-in Navigation
- ✓ Graphics Library
- ✓ Pinned Events
- ✓ Asset Comparison Table

Display Organization

- ✓ Display Folders
- ✓ Related Assets
- ✓ XY Plot
- ✓ Events Table
- ✓ Sizing and Formatting



Display Folders



Event Reason Code Entry

Asset	LF Brake Temperature	LR Brake Temperature	RF Brake Temperature	RR Brake Temperature
Mine Truck 1	232.2 °F	222 °F	228 °F	222 °F
Mine Truck 2	245 °F	220 °F	230 °F	265 °F
Mine Truck 3				230 °F
Mine Truck 4				233 °F
Mine Truck 5				230 °F

Event Name	Asset	Start Time	End Time	Reason	Acknowledgment
Mine Truck 1 Payload 20	MINE TRUCK 1	10/16/2017 1:16:50 AM	10/16/2017 1:20:20 AM		
Mine Truck 1 Engine RFP	MINE TRUCK 1	10/16/2017 1:18:20 AM	10/16/2017 1:18:20 AM		Acknowledge
Mine Truck 1 Payload 20	MINE TRUCK 1	10/16/2017 1:20:20 AM	10/16/2017 1:20:20 AM		
Mine Truck 1 Payload 20	MINE TRUCK 1	10/16/2017 1:24:20 AM	10/16/2017 1:24:20 AM		
Mine Truck 1 Engine RFP	MINE TRUCK 1	10/16/2017 1:41:50 AM	10/16/2017 1:41:50 AM		
Mine Truck 1 Payload 20	MINE TRUCK 1	10/16/2017 1:46:20 AM	10/16/2017 1:46:20 AM		

New Symbols

The image shows three devices—laptop, tablet, and smartphone—displaying the PI Vision 4.x interface. The interface is a dark-themed dashboard with multiple panels, including data tables, charts, and a central visualization area. The text "What's next?" is overlaid in a large, blue, sans-serif font across the middle of the devices.

What's next?

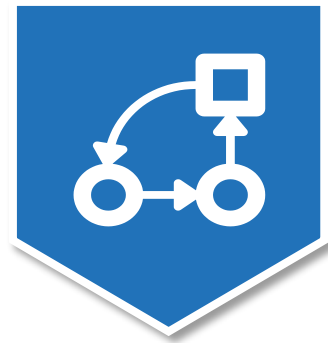
Meet PI Vision 4.x.

PI Vision 4.x

Speed and
performance



Faster deployment of
new features



Runs beautifully on
any device

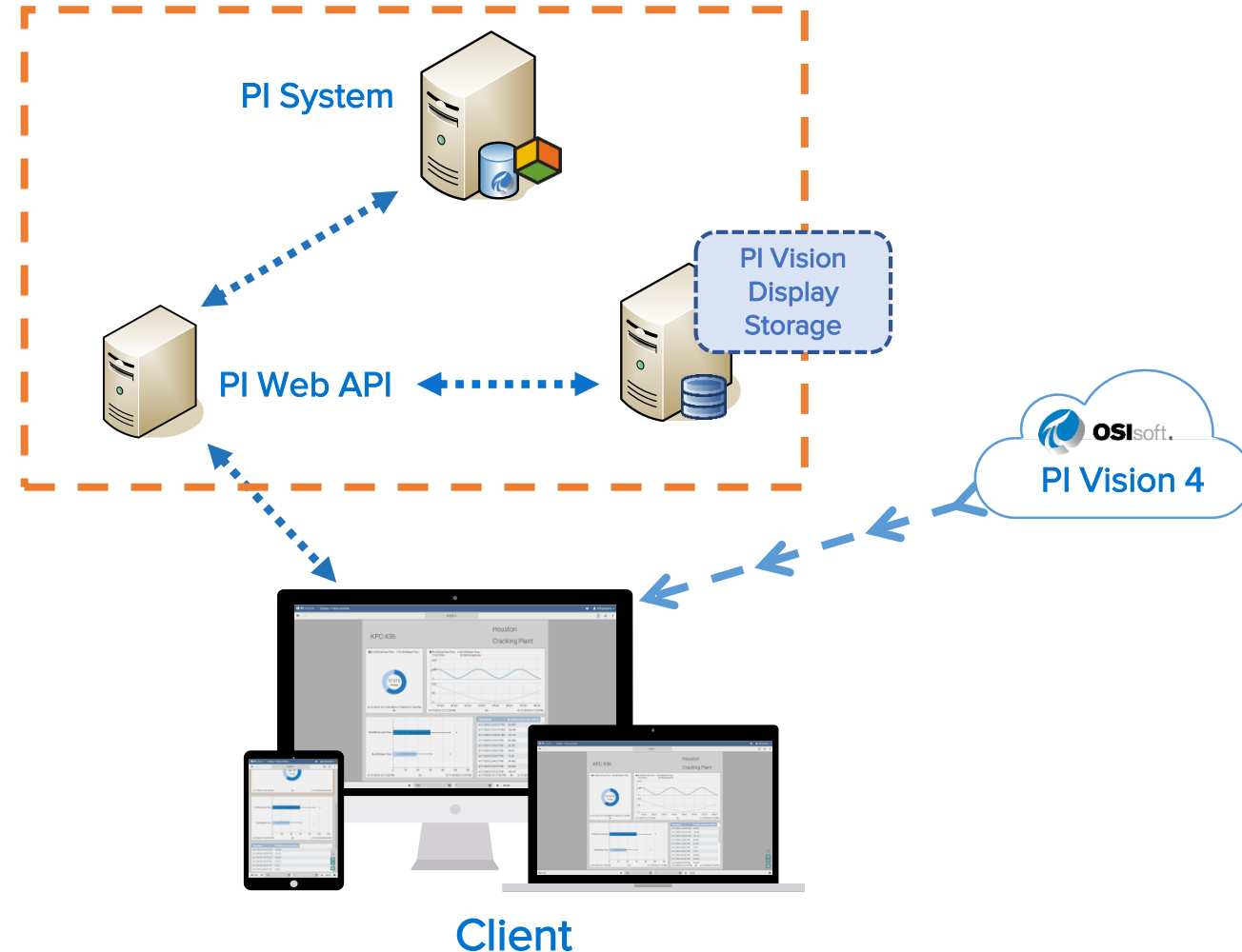


Why we're excited about PI Vision 4.x

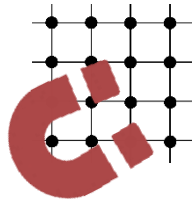
- Cloud deployment
- Sleek new UI
- New display authoring experience
- New ad-hoc experience
- PI ProcessBook to PI Vision 4 Migration
- New extensibility model

New Cloud-Hosted Option

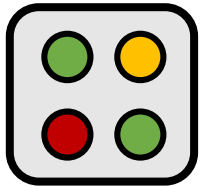
- Faster delivery of new features
- One less web server to manage
- Data and displays still stored and accessed locally



Display Authoring



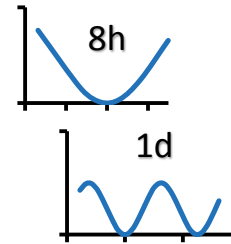
Snap to Grid



Multi-state
enhancements



Native embed symbol



Multiple time ranges
on a display

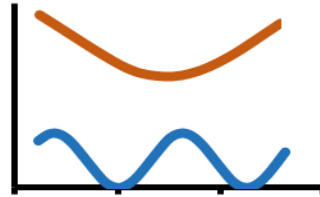


So much more!

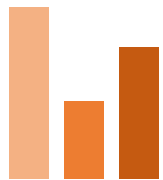
Advanced Charting



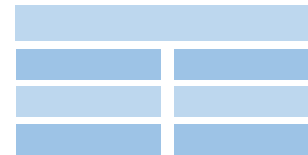
Pie Charts



Stacked Trends

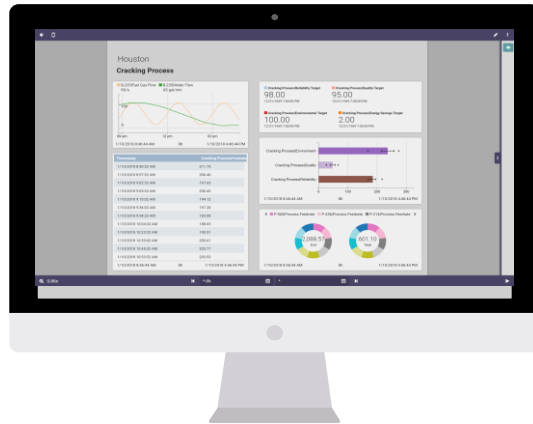


Bar Charts



Time-series data tables

Ad-hoc Trending



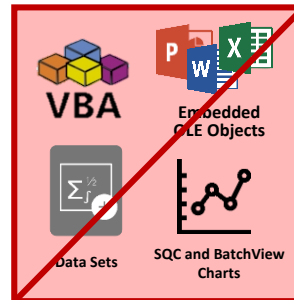
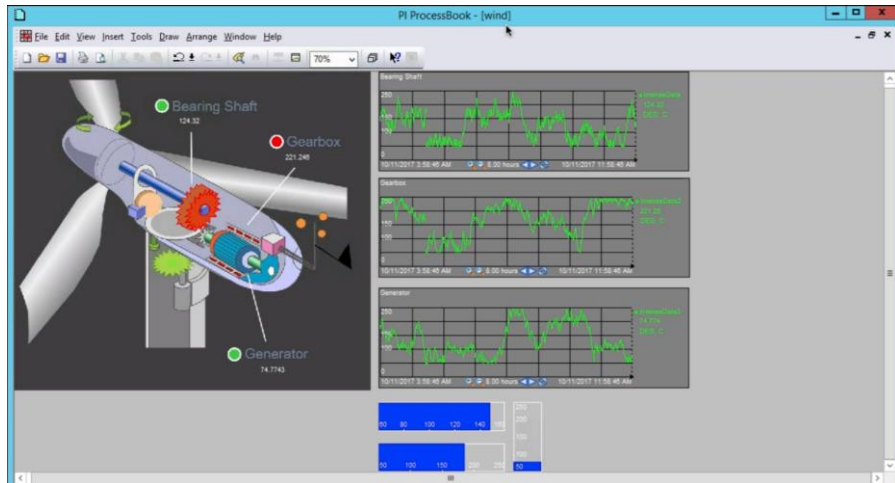
From a Display



Search and Browse

PI ProcessBook Display Migration

ProcessBook displays supported in PI ProcessBook Viewer will easily convert to native PI Vision 4 displays



PI ProcessBook Display Analysis tool to help you move forward

Extensibility

Enabling customers and partners to get more value out of PI Vision

- Data access through the PI Web API
- Updates will be needed to bring current extensions to PI Vision 4
- Continuity moving forward



Symbols



Toolpanes

PI Vision 4.x Demo

Benny Gallardo, Development Group Lead

PI Vision Roadmap

Q4 2018

*PI Vision 4.x
General Availability*

PI World 2018 SF

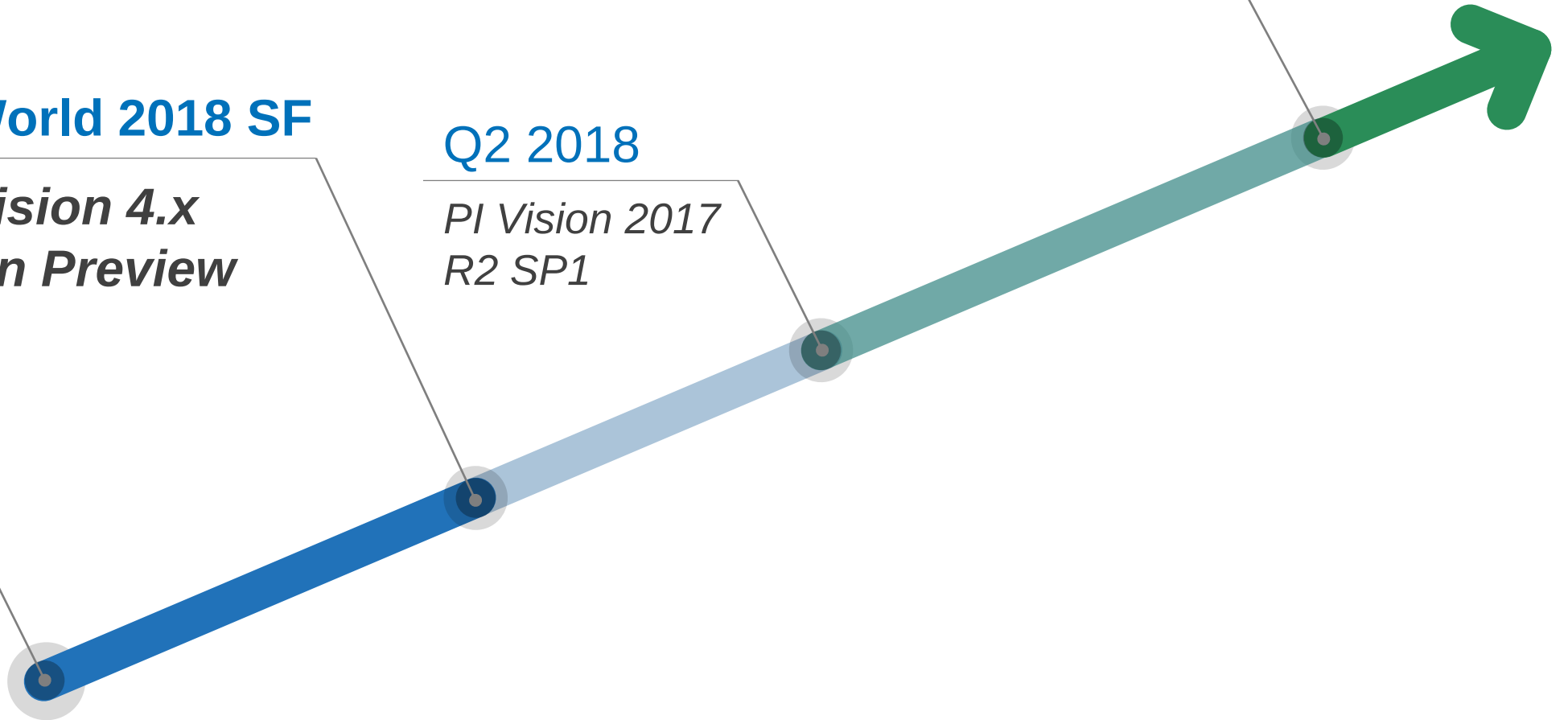
*PI Vision 4.x
Open Preview*

Q2 2018

*PI Vision 2017
R2 SP1*

Q4 2017

*PI Vision
2017 R2*



PI Vision 4.x Open Preview

- Going live within the next 3 weeks
- New functionality being rolled out as it's developed
 - Event Frames
 - Ad-hoc trending
 - ProcessBook display import
 - Much more



PIVisionFeedback@osisoft.com



**Have an idea how to
improve our
products?**

**OSIsoft wants to
hear from you!**

<https://feedback.osisoft.com/>



Q&A