

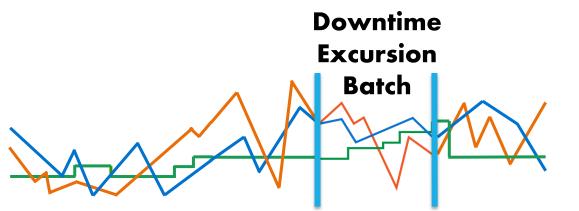
PI Event Frames, How to Provide Context to Critical Events

Presented by Todd Brown & Dan Fishman



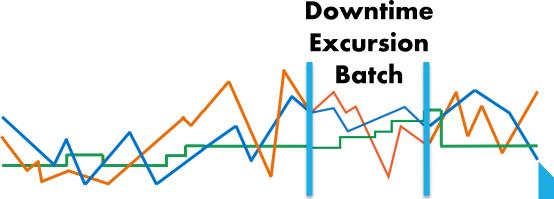
PI Event Frames

PI Event Frames automatically bookmarks PI time-series data so that it's more meaningful to engineers and business users, <u>AND</u> easier to for them to find, analyze, and report on.



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	Start	15-Dec-2012 10:35:02
	End	15-Dec-2012 10:47:26
	Duration	12 min, 24 sec
	Asset	Boiler-352
	Excursion Type	High Violation
	Fuel Gas Flow.Avg	37.12 k sft3/h
	Fuel.Start	823.48 k sft3/ton
	myPIKPI.Max	47.19 bbl/d

Event Attribute

Name

Related Data!

Value

0002

Fx 20121215-

PI System in 2015: Event Infrastructure Capabilities

Event Detection

Root Cause Events

Scalable Event Infrastructure

Events in Excel: Explore & Compare Ad Hoc Reporting

Reporting & BI Integration 3rd Party Integration

Event Generation

Batch Events

Hierarchical &

Event Database

Event Storage

Related Data
Calculations

Event Auditing

Event Visualization

Event Trending
Root Cause Trending
Hierarchical Trending
View Event Attributes
Event Comparison

Event Integration



Exposed through SOAP

Mobile Apps

Programmatic



@OSIsoft #OSISOFTUC

What value do you see PI Event Frames bringing to your company?

"Clearer picture of my process."

"Easily Analyze Events."

"Easier Batch Analysis."

"Saves a lot of time to automatically link data to events."

"More configuration, less programming."

"View our time series data in a meaningful way."

"Easier reporting."

"Early event detection before they become a problem."

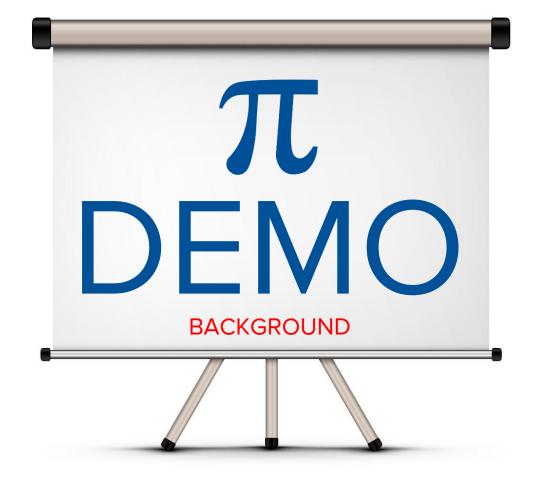
"An integrated system is a force multiplier."

"Easily find event related data."

"Drive events from real time data, not manual data entry."

"Easily surface abnormal events."



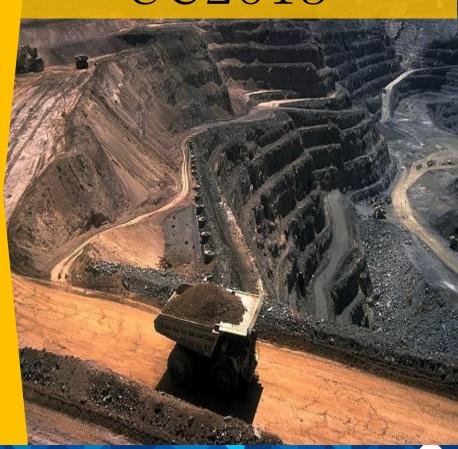


*-2 years



UC2013 ···





*-1 years



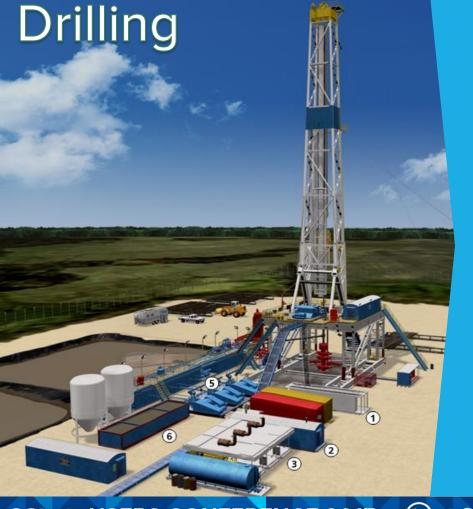
UC2014 ···

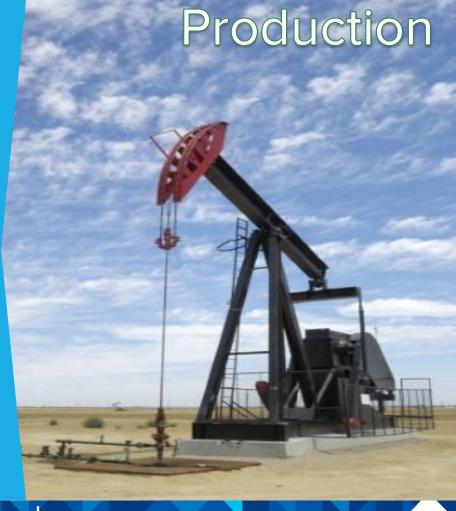




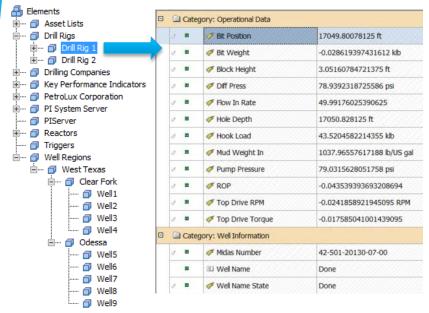
UC2015

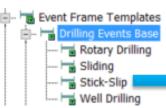


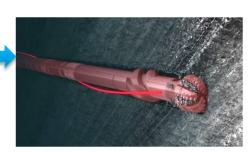


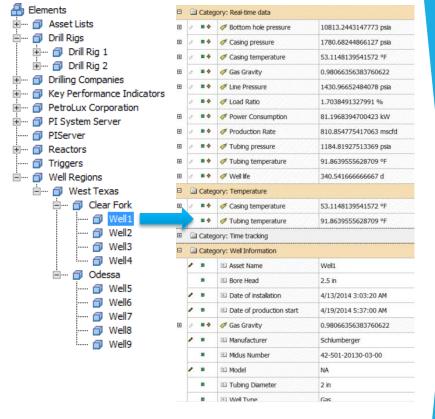


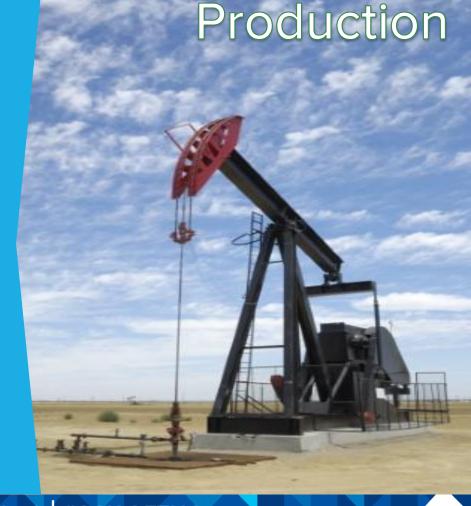






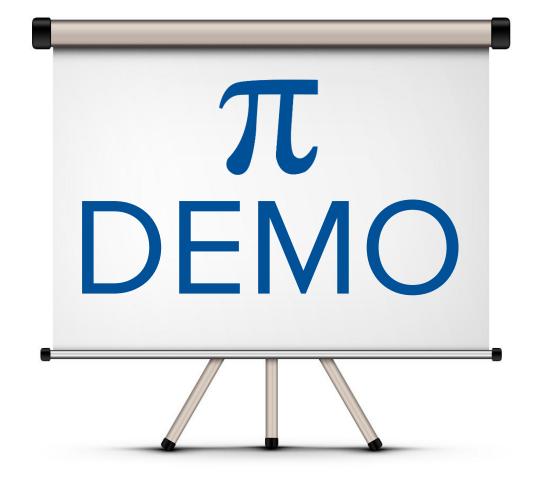












PI Event Frames Demo Recap

AF Asset Analytics (Event Detection)

- Configurable Event Detection
- Create Rules Once, Apply to Many
- History Regeneration
- Root Cause Events

PI Coresight (Related Events)

- Automatically Discover Related **Events**
- Event Trending
- Root Cause Trending
- View Event Attribute Values
- Event Comparison (Overlay Trending)

PI DataLink (Events in Excel)

- Explore Events and Compare events
- Easy Event Analysis and Reporting
- Build Flexible Ad hoc Reports Out of the Box



PI Connectors - Build the Data Automatically & in Context



PI Connectors

- Easy to configure
- Build tags automatically
- Build an AF model representing your source data automatically
- Collect the data
- Robust with buffering and other features

PI Connectors for O&G

- PI Connector for CygNet
- PI Connector for Wonderware Historian
- PI Connector for WITSML

Want to know more?

Stay in this room for the next session @ 3:30 pm!

Collect your Data in Context with PI Connectors





Roadmap Update

PI Event Frames Roadmap



2012 2013 2014 <u>2015</u> 2016

- <u>PI AF</u>: PI Event Frames Database
- PI AF SDK: Programmatic Access
- PI Coresight: Related Events
- PI Coresight: Hierarchical Events
- <u>PI Event Frames</u> <u>Generator</u>
- PI System
 Access: PI
 OLEDB
 Enterprise, PI
 Web Services, PI
 JDBC

- PI AF Analytics: Event Detection
- PI DataLink 2014: Events in Excel
- PI AF 2015: EF Value Capture, Locked EFs
- <u>PI AF 2014</u>: Audit Trail Viewer
- PI Web API: Initial EF Support

- PI Server 2015: Batch to EF Migration
- [TBD]
 - PI Coresight: Event Comparison

- [TBD]
 - PI Coresight: Batch Event Comparison
 - PI Coresight: Process Monitoring
 - PI Notifications
 - RtReports

In Development (not released)



PI Event Frames

Stick-Slip

Breaker Trip

Downtime

Bookmarks for your Real-Time Data

Your Data

Startup

High Temperature

Batch

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Initiative Lead

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OSIsoft, LLC

Questions

Please wait for the microphone before asking your questions

State your name & company





THANK **Y()**[]