



OSIsoft®

# EMEA USERS CONFERENCE

BERLIN, GERMANY • SEPT 26-29, 2016



OSIsoft.

EMEA USERS CONFERENCE • BERLIN, GERMANY

© Copyright 2016 OSIsoft, LLC



# Wrap Up And Product Update

## Process Industries

Presented by **Perry Zalevsky**  
Industry Principal, OSIsoft



# Themes

- Improvement Areas
- People, Process & Technology
- Integration of OT and IT
- Project, Program & Progress

Where do you/your company stand?



# Where Do Companies Find Value?



## Process Productivity

Making the process better  
Small changes are worth a lot  
In areas such as material flow, pacing and supply chain



## Energy and Water Management

Monitoring and managing energy and water  
Fuel the mobile equipment



## Asset Performance and Reliability

Keep the machines running  
Improve uptime  
Reduce unplanned downtime  
Condition-based maintenance



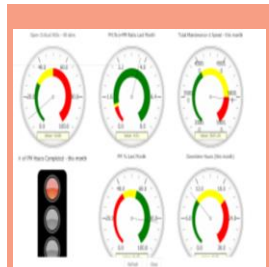
## Environmental, Health and Safety Compliance

Governmental regulations  
Accidents and incidents  
Environmental monitoring  
Compliance and audit



## Quality Assurance

Real-time monitoring  
Genealogy (history)  
Certifications  
Yield



## KPI's and Reporting

Plant and Mine-wide to enterprise  
Common definitions & calculations  
Benchmarking & comparison

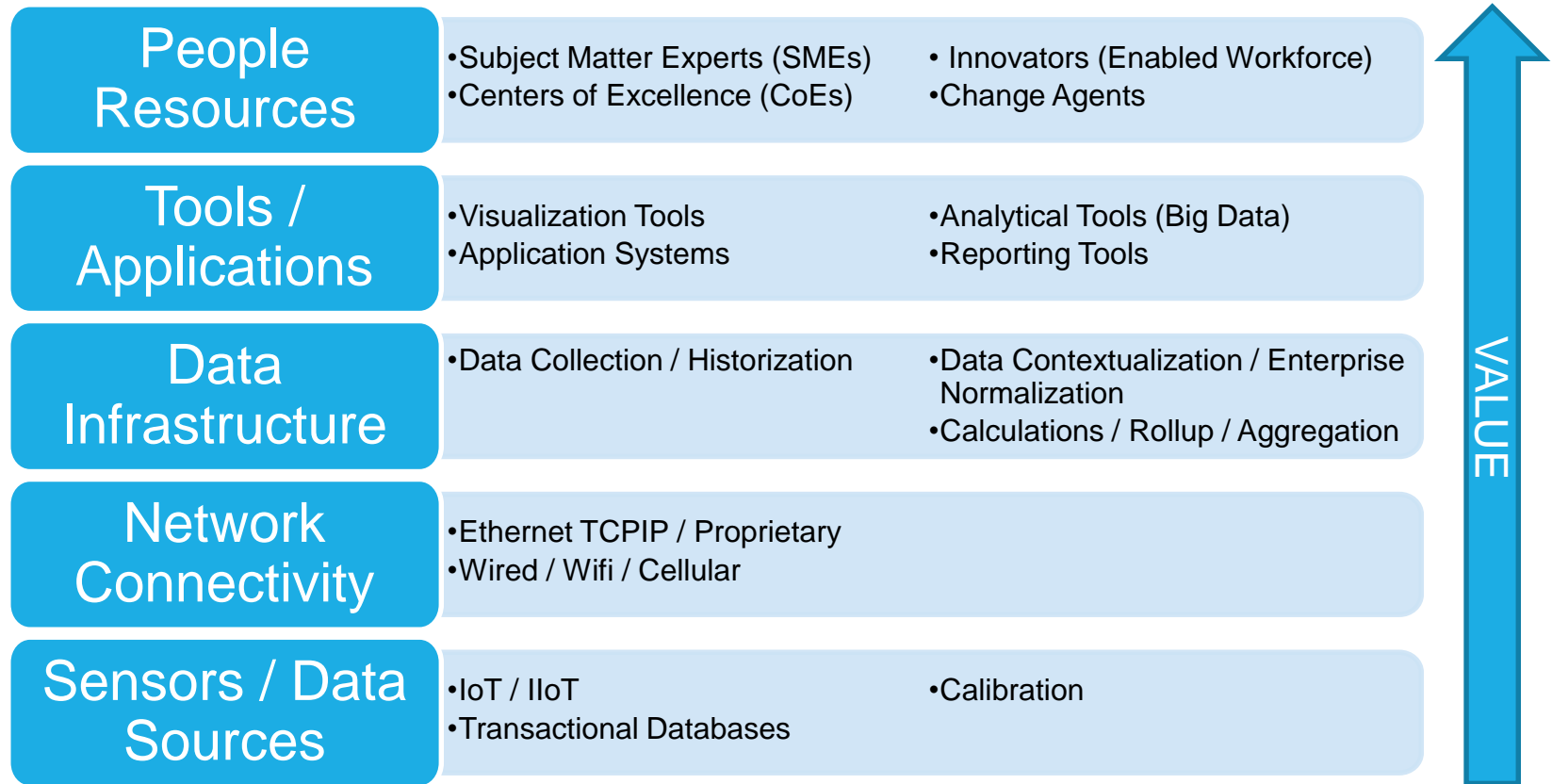


OSIsoft.

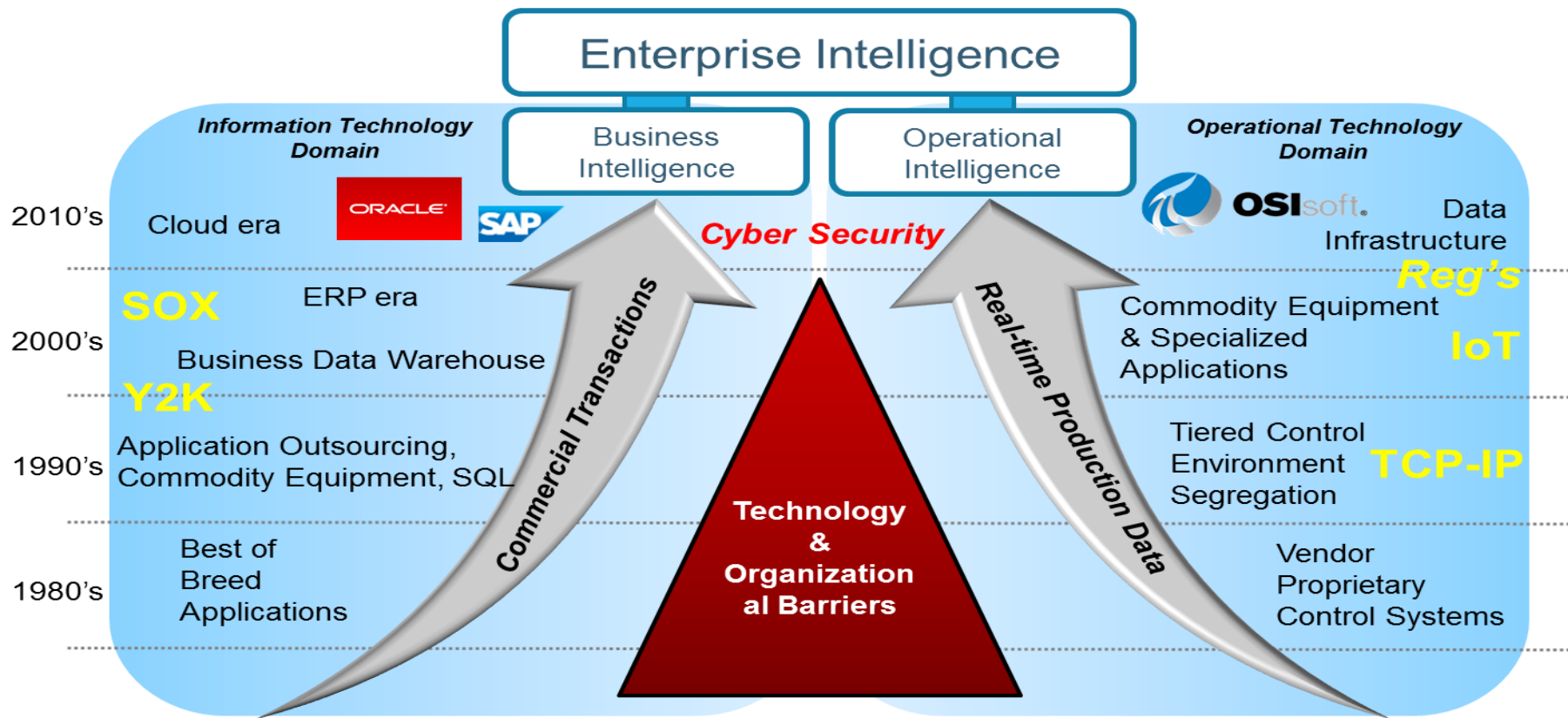
EMEA USERS CONFERENCE • BERLIN, GERMANY

© Copyright 2016 OSIsoft, LLC

# Data to Value: Recognizing the Critical Contributors



# Recognizing IT/OT Convergence



# What Type of Approach is Best?

## PROJECT

### Pros:

- Well Defined, Limited Scope
- Single Design / Deployment
- More Manageable Initial Cost
- Common starting point

### Cons:

- Site Based, One Off Solutions
- Not Easy to Leverage / Deploy 'Best Practices' or 'Standards' across Multiple Sites
- New Projects Require New Software / New Solutions / New Funding / **New Start**
- Cost / Complexity Increase Over Time

## PROGRAM

### Pros:

- Supports Transformation through Continuous Improvement Program
- Shorter Time to Value for Defined Value Initiatives
- Less Investment / Funding Required for Next Projects
- Leverage of 'Common Standards' or 'Best Practices'
- Provides Standard Approach to Technology / Minimizes Complexity
- Engages People

### Cons:

- Higher Initial Funding Investment (Offset by Lower ongoing TCO and Stronger Value Realization)

# You may have heard of these...

Predictive Analytics Digital Transformation  
M2M Sensor Data IT/OT  
IIoT Visualization Industrie 4.0  
Convergence IoT Big Data  
Smart Devices Real-time

Key Point - These all generate, use, or manipulate Operational Data

# Key Considerations for Today's Session

- What is your vision for the use of information in your company / division?
- What role does operational data play as a key part in your vision?
- What are you doing to establish operational intelligence in your company?

# Industries on the OSIsoft website

[Regional Sites](#)[Events](#)[Community](#)[Contact Us](#)[Home](#)[PI System](#)[Solutions](#)[Support](#)[Partners](#)[About OSIsoft](#)

## Operational Intelligence

Industry innovators.  
Inspiring business leaders.  
OSIsoft experts.

Don't miss out on our best networking and  
learning opportunity of the year.

[Learn More ▶](#)

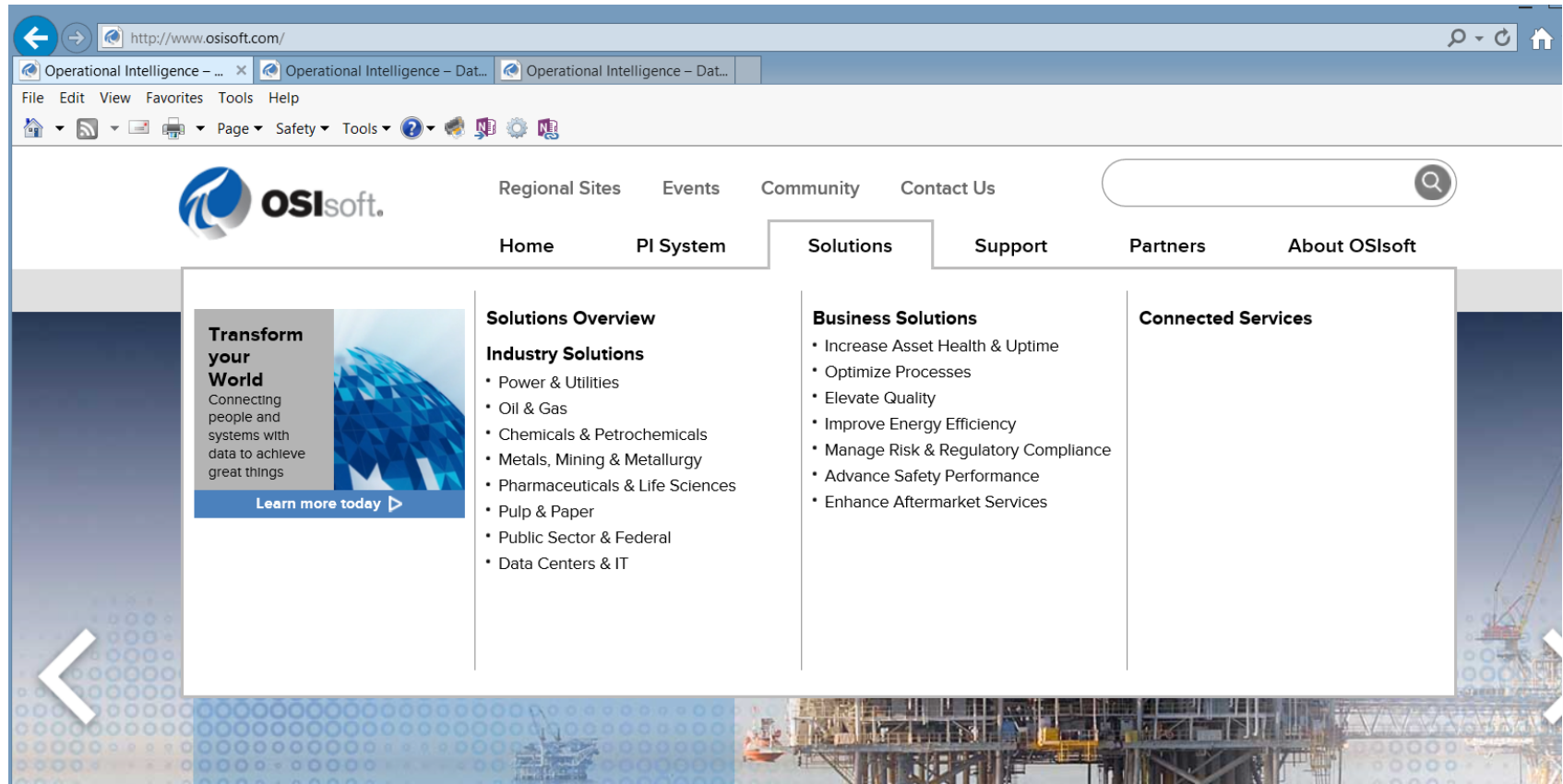


OSIsoft.  
EMEA USERS CONFERENCE  
BERLIN, GERMANY • SEPT 26-29, 2016

TRANSFORM YOUR WORLD



# Industries on the OSIsoft website



The screenshot shows the OSIsoft website in a web browser. The browser's address bar displays 'http://www.osisoft.com/'. The website's navigation bar includes links for 'Regional Sites', 'Events', 'Community', and 'Contact Us'. Below this, a secondary navigation bar features 'Home', 'PI System', 'Solutions' (which is highlighted), 'Support', 'Partners', and 'About OSIsoft'. A search bar is located on the right side of the navigation bar. The main content area is divided into three columns. The left column features a graphic with the text 'Transform your World' and 'Connecting people and systems with data to achieve great things', followed by a 'Learn more today' button. The middle column is titled 'Solutions Overview' and lists 'Industry Solutions' for various sectors. The right column is titled 'Business Solutions' and lists specific benefits. A large background image of an industrial facility is visible at the bottom of the page.

**Transform your World**  
Connecting people and systems with data to achieve great things  
[Learn more today](#)

**Solutions Overview**

**Industry Solutions**

- Power & Utilities
- Oil & Gas
- Chemicals & Petrochemicals
- Metals, Mining & Metallurgy
- Pharmaceuticals & Life Sciences
- Pulp & Paper
- Public Sector & Federal
- Data Centers & IT

**Business Solutions**

- Increase Asset Health & Uptime
- Optimize Processes
- Elevate Quality
- Improve Energy Efficiency
- Manage Risk & Regulatory Compliance
- Advance Safety Performance
- Enhance Aftermarket Services

**Connected Services**

# Industries on the OSIsoft website

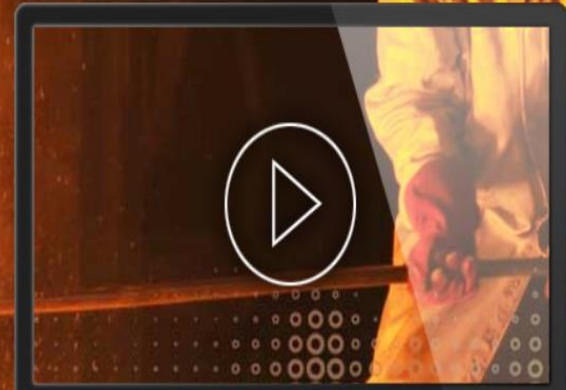
[Regional Sites](#)[Events](#)[Community](#)[Contact Us](#)[Home](#)[PI System](#)[Solutions](#)[Support](#)[Partners](#)[About OSIsoft](#)

[Operational Intelligence](#) > [Solutions](#) > [Industry Solutions](#) > **[Metals, Mining & Metallurgy](#)**

## Metals, Mining & Metallurgy

### A comprehensive solution for a complex industry

How are today's metals and mining industries meeting the increasingly complex demands of lower-grade ores, material complexity and tightening regulatory compliance, as well as growing pressures on resources, energy and transportation? The leading mining, mineral processing, metallurgical processing and product



OSIsoft.

EMEA USERS CONFERENCE • BERLIN, GERMANY

© Copyright 2016 OSIsoft, LLC

# Forest and Paper Products PI User Group

Join to discuss best practices, white papers, share news, and exchange ideas.

## Objectives:

- Identify Best Practices
- Share knowledge and ideas across our industry
- Foster communication with OSIsoft regarding our industry needs

Customer run,  
customer led,  
OSIsoft assisted

This is NOT an avenue for sales presentations or marketing

Want to opt in?

<https://pisquare.osisoft.com/groups/paper>

Or contact [jsirois@osisoft.com](mailto:jsirois@osisoft.com)



Have questions?

- [jsirois@osisoft.com](mailto:jsirois@osisoft.com)
- [msandin@osisoft.com](mailto:msandin@osisoft.com)
- Visit the PI Square Booth



# Mining, Metals, and Materials PI User Group

Join to discuss best practices, white papers, share news, and exchange ideas.

## Objectives:

- Identify Best Practices
- Share knowledge and ideas across our industry
- Foster communication with OSIsoft regarding our industry needs

Customer run,  
customer led,  
OSIsoft assisted

This is NOT an avenue for sales presentations or marketing

Want to opt in?

<https://pisquare.osisoft.com/groups/mmm>

Or contact [jsirois@osisoft.com](mailto:jsirois@osisoft.com)



Have questions?

- [jsirois@osisoft.com](mailto:jsirois@osisoft.com)
- [pzalevsky@osisoft.com](mailto:pzalevsky@osisoft.com)
- Visit the PI Square Booth



OSIsoft.

EMEA USERS CONFERENCE • BERLIN, GERMANY

© Copyright 2016 OSIsoft, LLC

14

# Facilities and Water and Wastewater PI User Groups

Join to discuss best practices, white papers, share news, and exchange ideas.

## Objectives:

- Identify Best Practices
- Share knowledge and ideas across our industry
- Foster communication with OSIsoft regarding our industry Needs

This is NOT an avenue for sales presentations or marketing



## Want to opt in?

<https://pisquare.osisoft.com/groups/facilities>  
<https://pisquare.osisoft.com/groups/water>

Or contact [jsirois@osisoft.com](mailto:jsirois@osisoft.com)



## Have questions?

- [jsirois@osisoft.com](mailto:jsirois@osisoft.com) – any user group
- [ddoll@osisoft.com](mailto:ddoll@osisoft.com) – Facilities Group
- [gwong@osisoft.com](mailto:gwong@osisoft.com) – Water Group
- Visit the PI Square Booth



OSIsoft.

EMEA USERS CONFERENCE • BERLIN, GERMANY

© Copyright 2016 OSIsoft, LLC

15

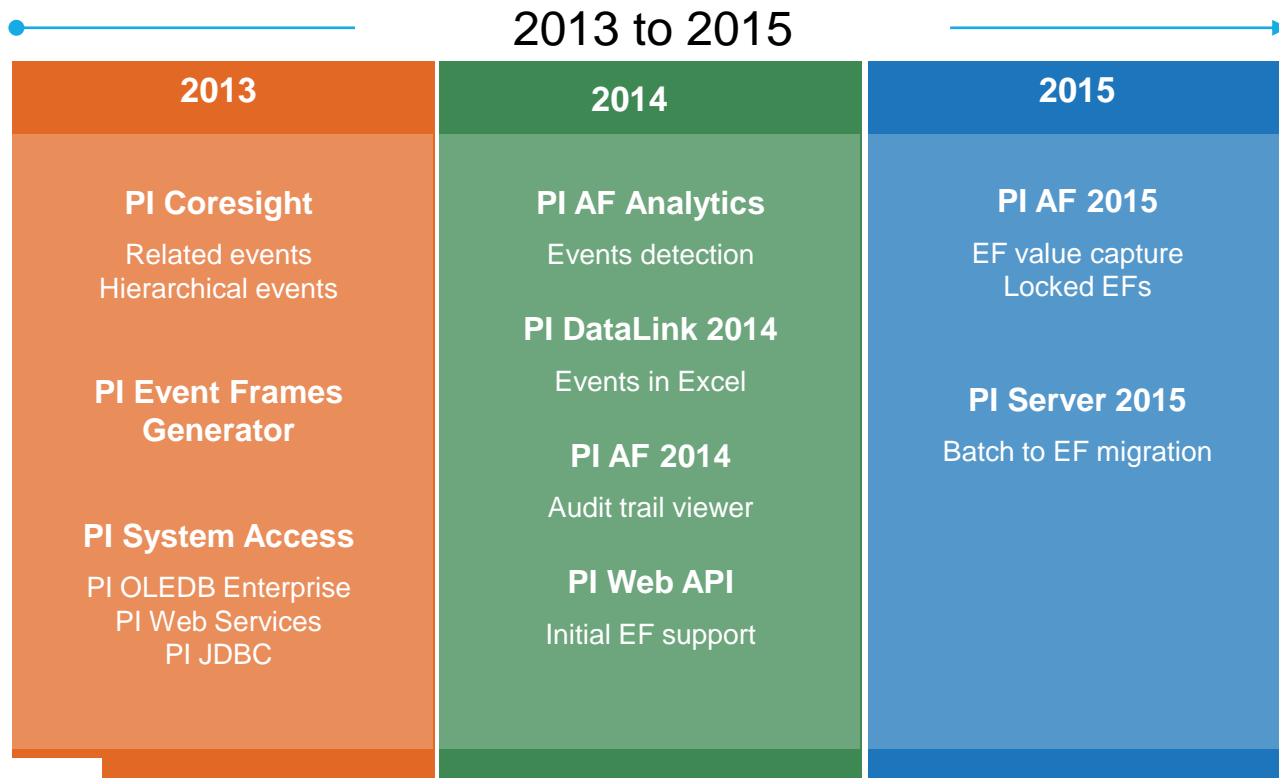


# PI Event Frames Initiative Roadmap

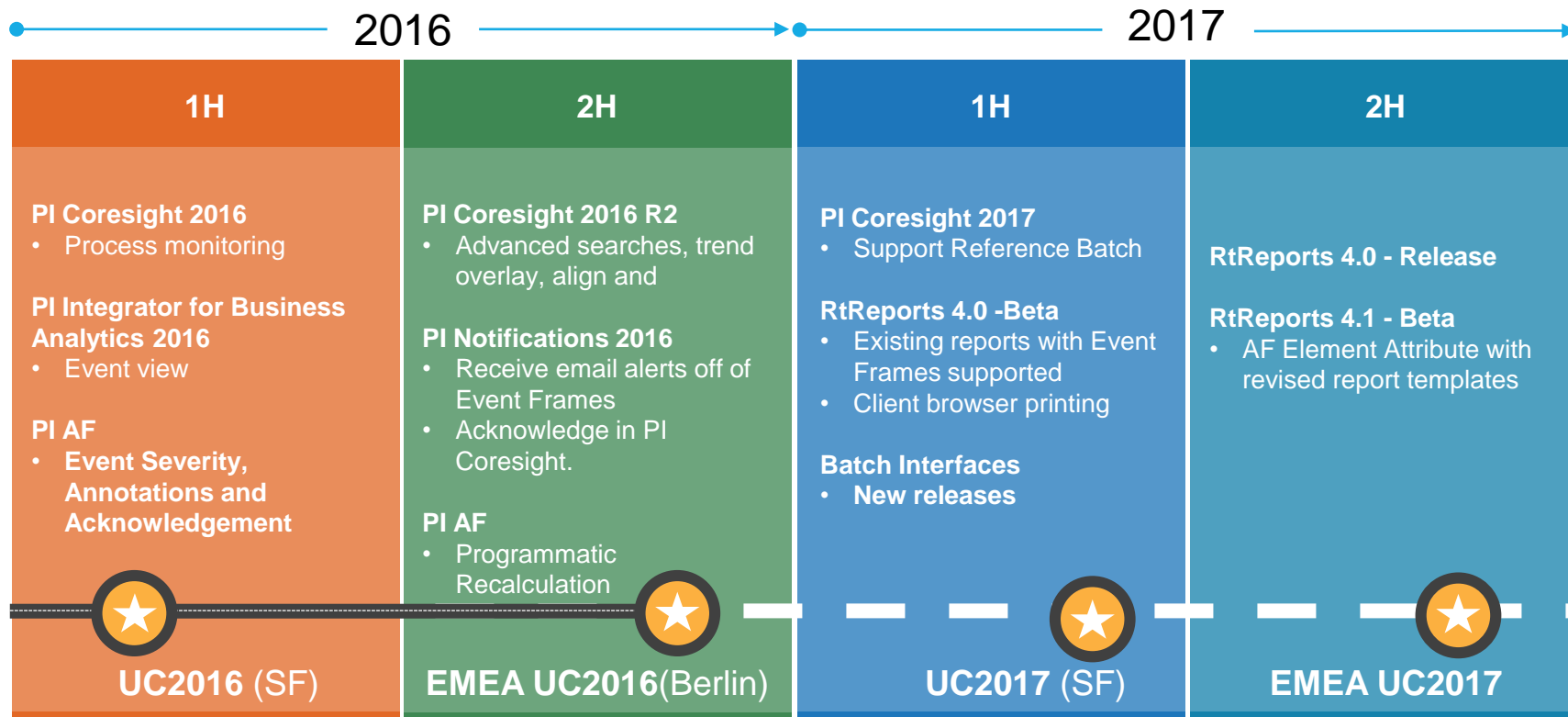
Presented by **Chris Nelson**  
**Dan Fishman, Tom LeBay**



# Event Frames Roadmap – The story until now



# Event Frames Roadmap – The story continues

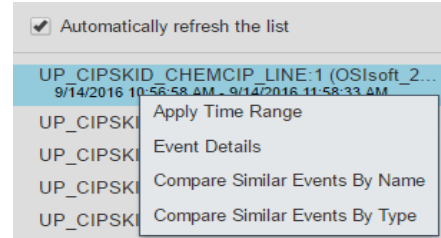


OSIsoft.

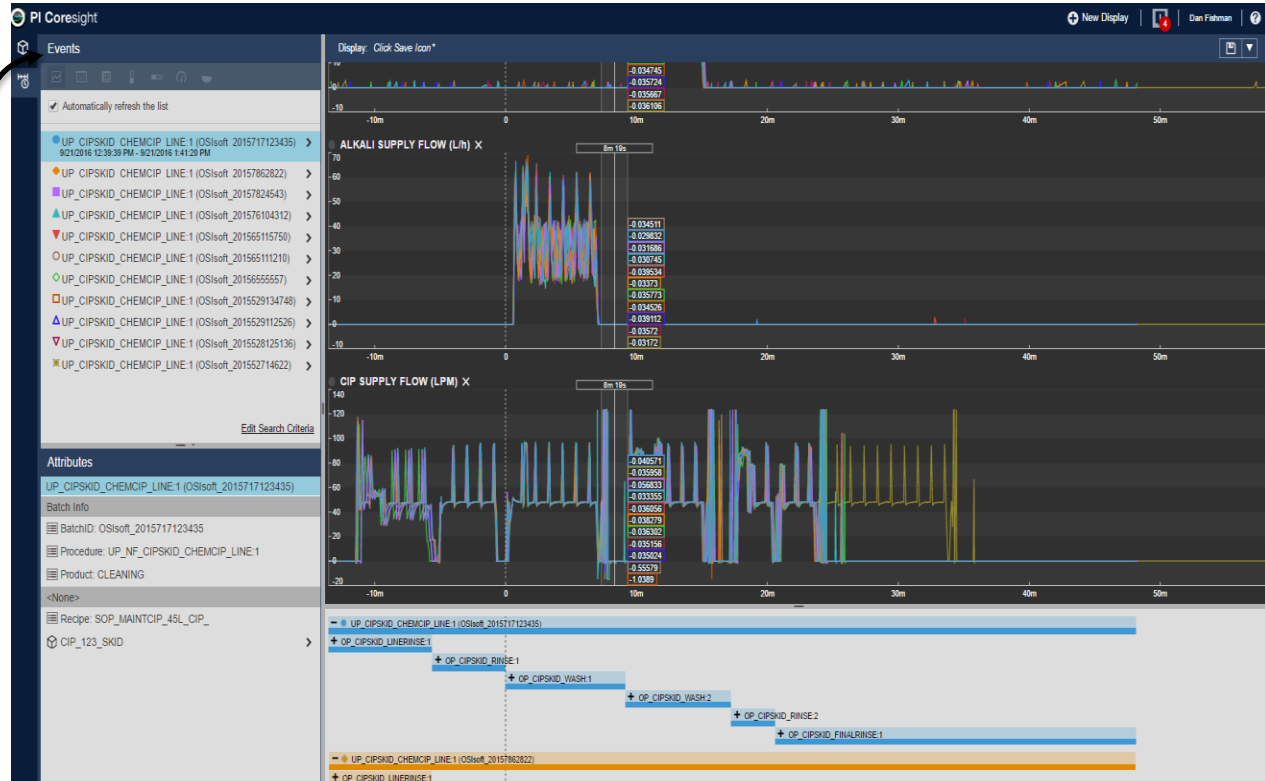
EMEA USERS CONFERENCE • BERLIN, GERMANY

© Copyright 2016 OSIsoft, LLC

# Event Comparison lets you easily compare and analyze similar events

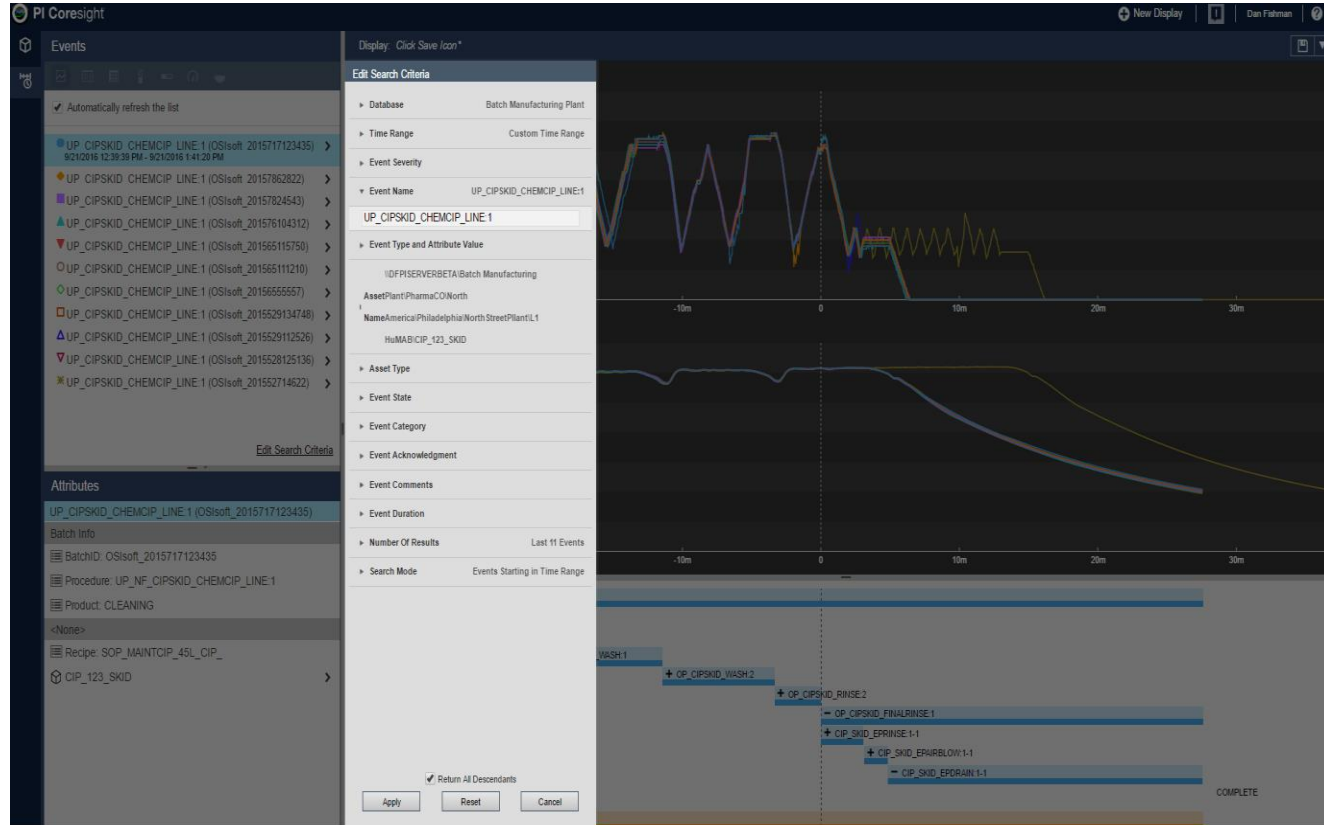


- Automatically compare last 10 similar events with a single click
- Overlay trend & Gantt chart
- Root cause time period
- Explore/align/zoom child events
- Save analysis



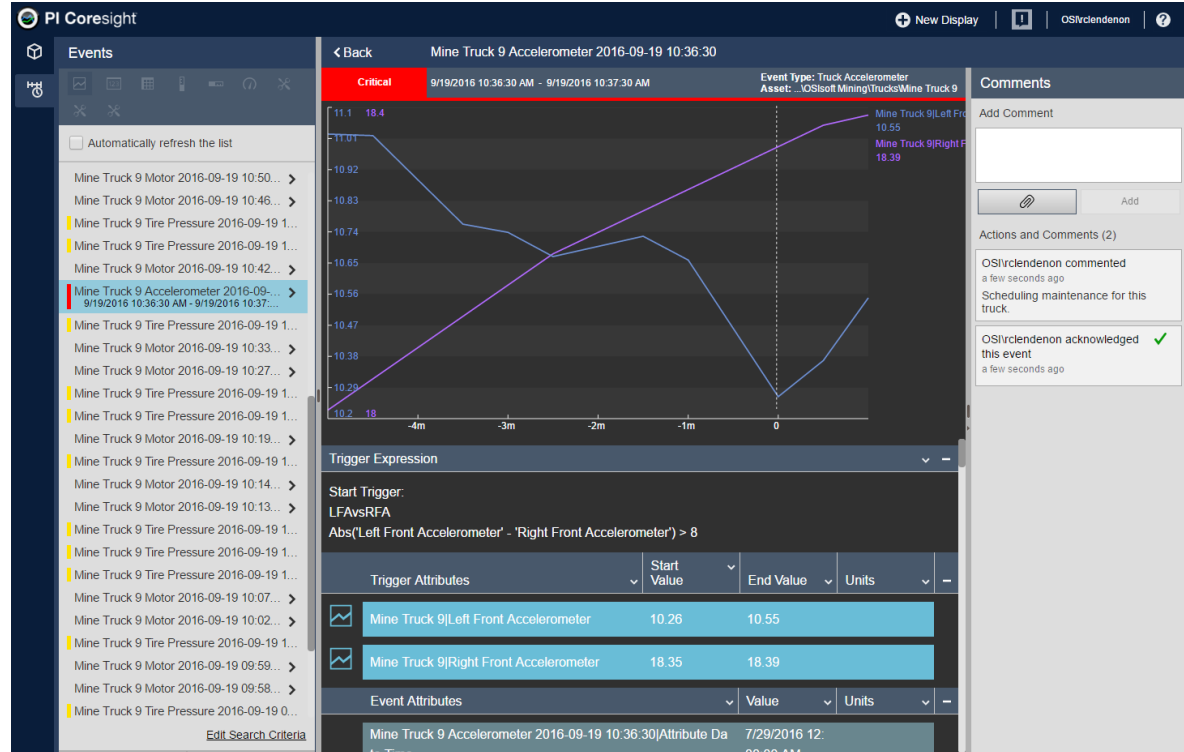
# Events Palette gives you a complete picture

- Automatically view events related to assets & time range on display.
- View/trend event attribute values
- Trend Related Element Attributes
- Advanced searching features



# Event Details

- Integrated with Notifications so events are delivered to your email
- Acknowledge an Event
- Event Annotations with Attachments
- Start Trigger Information
- Mobile friendly



## Call to Action – Customer Success Stories

- Migrate Batch data to Event Frames
- Adopt PI Coresight 2016 R2
- We are looking for customers who want to verify the Event Comparison capability!

# Contact Information

**Perry Zalevsky**

[pzalevsky@osisoft.com](mailto:pzalevsky@osisoft.com)

Industry Principal

OSIsoft, LLC



## Questions

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



State your **name & company**

## Please don't forget to...

Complete the Online Survey for this session



<http://eventmobi.com/emeauc15>



OSIsoft.

EMEA USERS CONFERENCE • BERLIN, GERMANY

© Copyright 2016 OSIsoft, LLC

24

감사합니다

谢谢

Danke

Merci

Gracias

Thank You

ありがとう

Спасибо

Obrigado

Remember – It's All About the DATA!



OSIsoft.

EMEA USERS CONFERENCE • BERLIN, GERMANY

© Copyright 2016 OSIsoft, LLC



OSIsoft®

# EMEA USERS CONFERENCE

BERLIN, GERMANY • SEPT 26-29, 2016



OSIsoft.

EMEA USERS CONFERENCE • BERLIN, GERMANY

© Copyright 2016 OSIsoft, LLC