

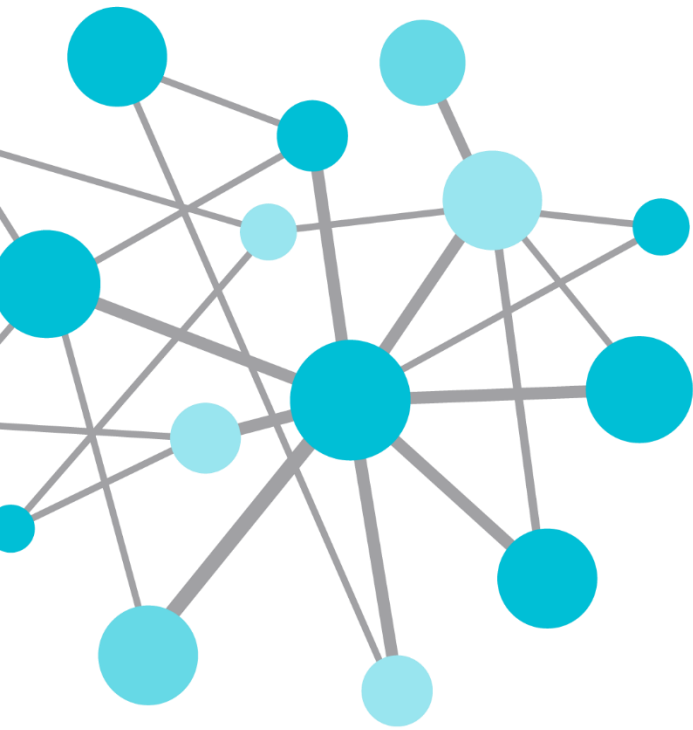


OSIsoft.

USERS 2014 CONFERENCE

The **Power** of **Data**

DECISION READY IN REAL-TIME



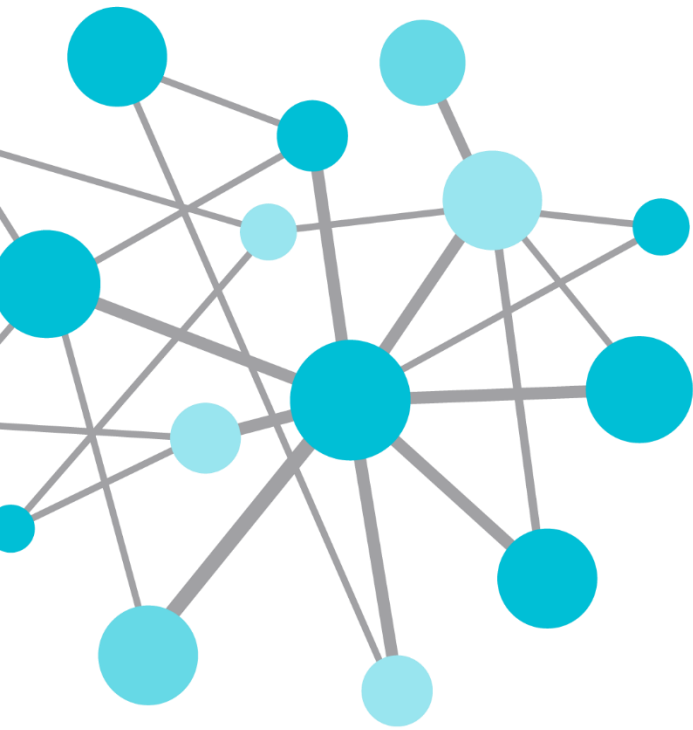
New Tools for the Pulp & Paper PI System

Presented by **Martin Bryant**, OSIsoft Field Service Engineer
Houston, TX, USA

"I read a study that measured the efficiency of locomotion for various species on the planet. The condor used the least energy to move a kilometer. Humans came in with a rather unimpressive showing about a third of the way down the list....That didn't look so good, but then someone at Scientific American had the insight to test the efficiency of locomotion for a man on a bicycle and a man on a bicycle blew the condor away.

That's what a computer is to me: the computer is the most remarkable tool that we've ever come up with. It's the equivalent of a bicycle for our minds."





New Asset Based PI Tools

New Ways to Learn & Get Started

Asset-based PI - 2014

- Templatized, server-side performance equation syntax and rollup **calculations** that historize to PI tags
- Integrated, templatized **Event Frame generation**
- **Performance enhancements** including Event Frame retrieval, AF asset search, AF table handling, and general connectivity and communications.
- Event Frames & better performance for **PI Datalink 2014**
- Exciting new **PI Coresight** capabilities
- New **PI Data Access** tools

Templatized, server-side performance equation syntax and rollup calculations that historize to PI tags

- Already using this at Kimberly Clark in a prototype project to track excursions from product specifications and write a message to a PI string tag.
- PI AF templates allow you build hundreds or thousands of Perf Eq. calculations – and the tags – in minutes.
- Exploit the PI AF hierarchy by ‘summing up’ key values like power or water usage from equipment to subsystem, to system, to unit, to plant....

Integrated, templatized Event Frame generation

- Paper breaks, excursions, grade runs, roll tracking - PI AF helps you find what to look at – Event Frames direct you to **when** to look.
- “Root Cause” Event Frame – look at the 20 minutes before an event happens.
- If you are ready to step up to configuring triggers that make your information dimensionally easier to find – Event Frames are ready for you.

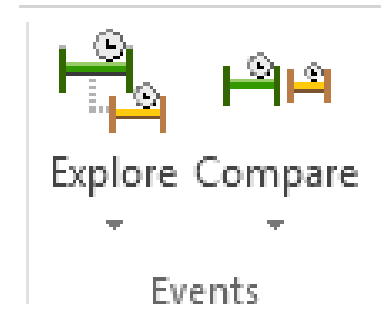
Performance

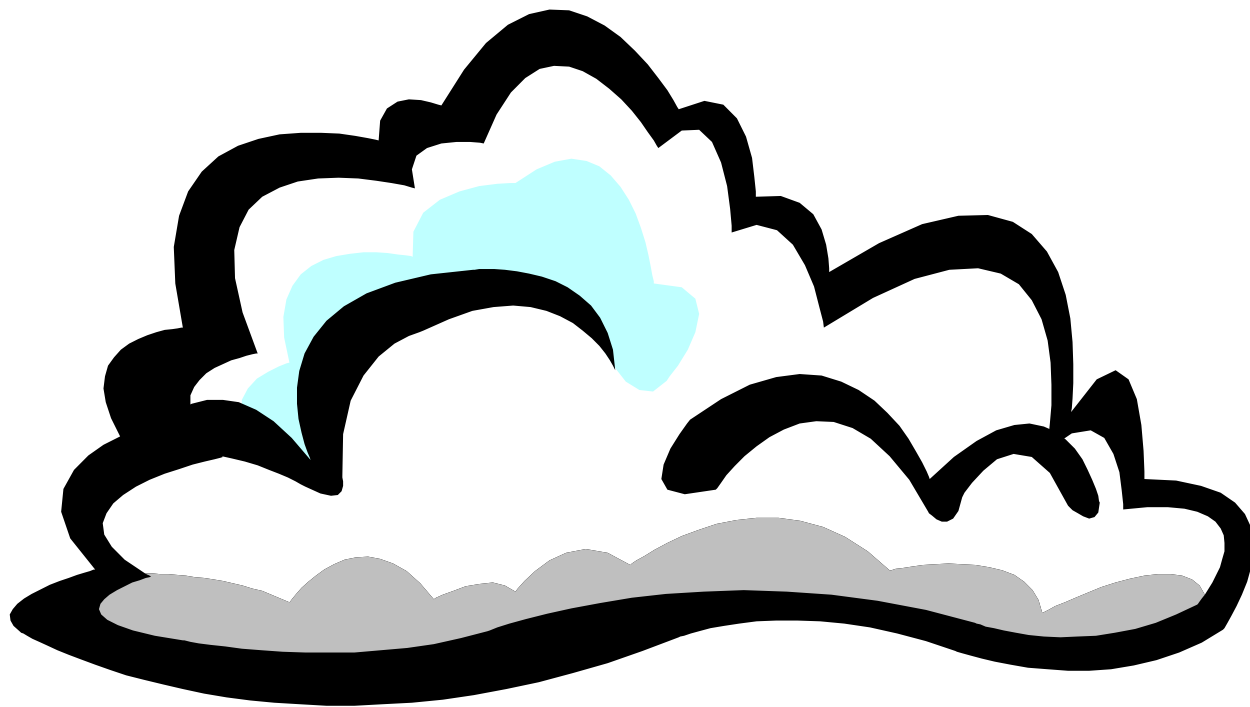
- **PI Server 2012**
- **PI AF 2014**



New Visualization / Client Capabilities

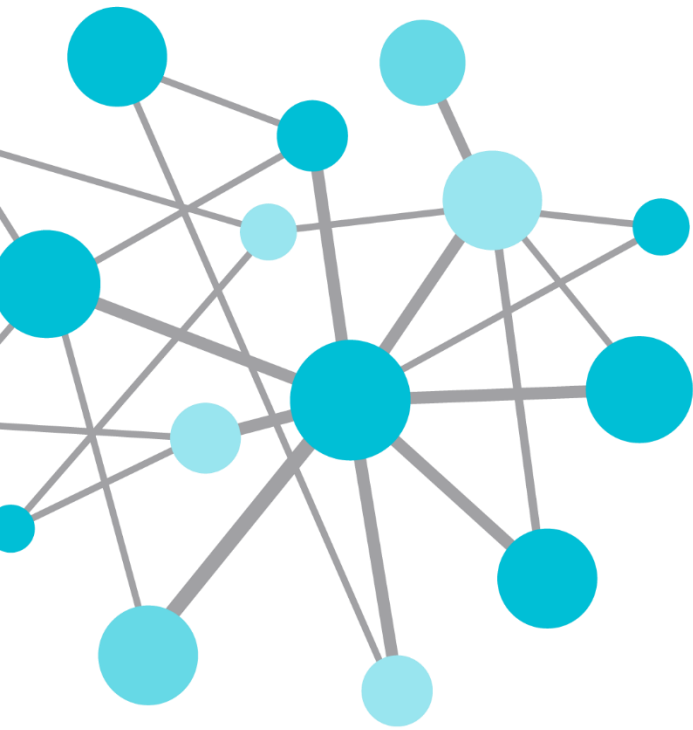
- PI Datalink 2014 – faster / event frame support
 - Including exciting event frame comparisons
- PI Coresight 2014 – faster event frame support
 - PI Processbook Displays
- PI Data Access – PI ODBC, Web API, Odata
 - New updated PI AF/EF ready PI ODBC
 - New web and mobile enabling tools
 - Easier queries than ever with Odata





New Ways to Learn & Get Started

- Asset Based **Workshop “Jump Start”**
- New **on-line classes**
- New public class: **Analyzing PI Data**
- More **Youtube** videos every month!



What is an Asset based PI JumpStart?



The JumpStart Bundle includes:

- **Upgrade** to PI System 2012 (Remote)
with PI AF & PI Coresight from an OSIsoft Field Service Engineer
- 3 day onsite Asset Based PI **Workshop**
- Three User **PI Coresight** Server License



The workshop:

A new way to learn a new way to use PI

a three-day, very relevant, learning experience where we will walk you through the use of the integrated asset based PI tools and show you the way you can use and re-use this platform as a way to get PI displays, reports, and analyses that have broader application in your organization and have increased discipline and collaboration.

- **Re-use**
- **Collaboration**
- **Discipline**

“Time isn’t wasted in design ...
Time is wasted using bad design”

The Workshop is NOT like regular training...

Similarities:

- Learn “hands on” from an expert

Differences:

- No set curriculum or exercises
- **Your data on your PI system**
- A computer classroom is not necessary

The Workshop is NOT consulting...

Similarities:

- Start with a goal
- Design & work to the challenge's requirements

Differences:

- Scope of work **contained to workshop**
 - Project started off on the right foot, not completed...

The Workshop IS Collaborative Coaching

- **You bring:**

- Process knowledge from your process nerds
- Knowledge of existing databases & systems from your geeks
- Your PI System & process data



- **We bring:**

- Knowledge of our latest and greatest releases and experience with the best practices from our best PI AF geeks

OSIsoft products in the workshop:

and one or more of:

PI Coresight

PI Datalink 2013

PI Processbook

Select ONE of:

PI Notifications

PI Event Frames

PI OLEDB Enterprise

Spend a day or more working with:

PI Asset Frameworks
Templates
Elements
PI AF Builder / Excel

Start with:

Your PI data & PI Server

PI Coresight



- Server to browser based – no installation or upgrade roll-outs
- OSIsoft's **easiest-to-use, most intuitive client** ever for ad-hoc analysis and casual users
- Integration with our emerging mobile platform – **IPad support today!**
- Richest current support for Asset-based PI among our clients
- The Jump start includes three users and help with installation

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Enterprise agreement customers receive the upgrade and PI Coresight Licensing as part of their agreement – they can receive the Asset based PI Workshop with the coordination of their Center of Excellence Engineer or Enterprise Project Manager.

New on-line classes



Learning.OSIsoft.com

Self-paced Hands-on Instructor mentored

Three week schedule with a deadline for completion

- Videos coordinated with hands on exercises
- Custom project with instructor evaluations

What learners are saying:

"For me this online course was a lot more helpful than the in-person training class I took. The main difference was if I missed something I didn't have to hold up the entire class to figure it out. I could just click a minute back on the video. if I got busy.... I could continue with my regular work and then go back to the video when I was free."

"The whole time (while watching the videos) you didn't lose attention, you were doing something along the way."

"Amazed to see how easy it is to use PI ProcessBook, it's not that difficult."

New public class: Analyzing PI Data

Deep, fast process history

PI Data

Context & Calculations

PI AF

SQL Wizards & Connectivity

& Templates

PI-OLED B

Enterprise

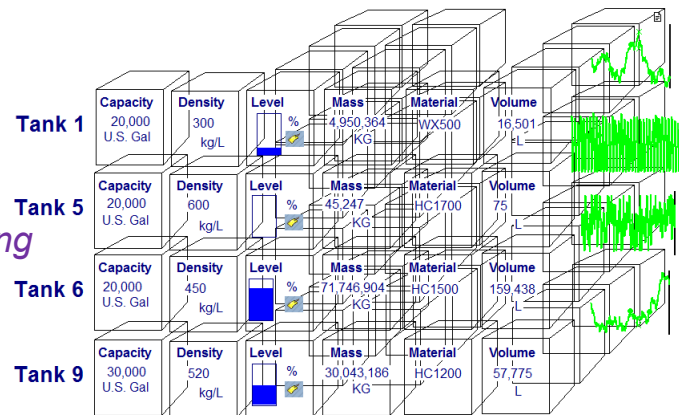
The World's Leading

Data Forge

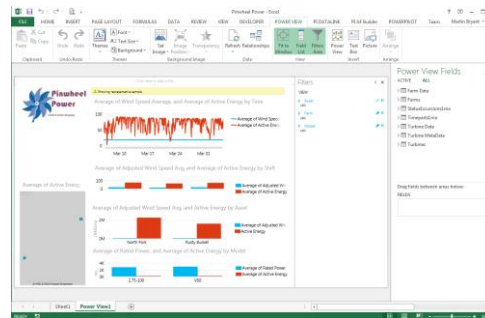
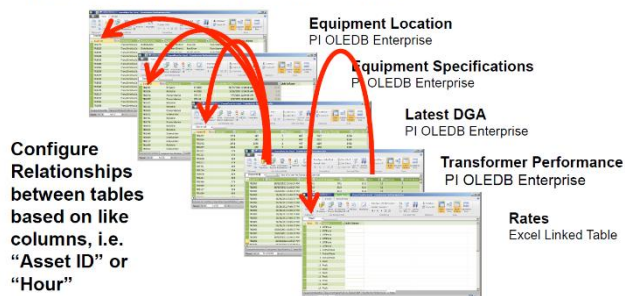
Power Pivot

For Microsoft

Excel 2013



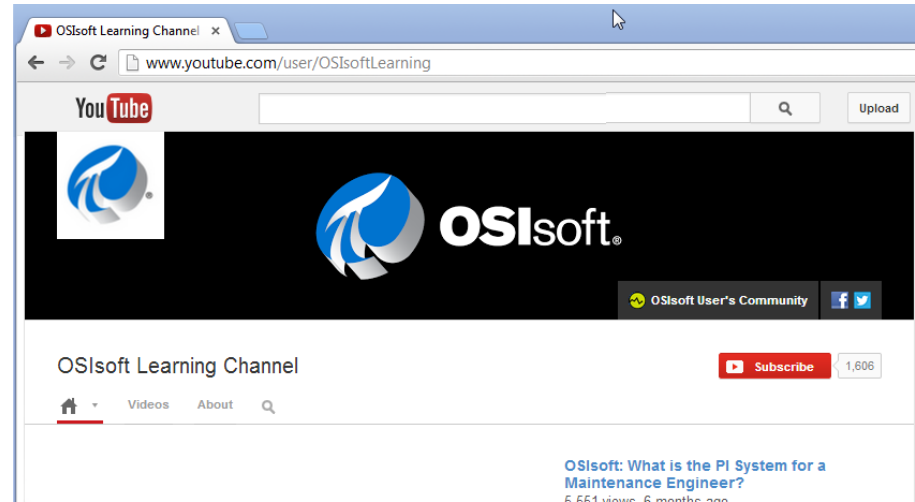
PowerPivot Creates the "Cube"



More **Youtube** videos every month!

So **subscribe** to our channel on Youtube

And look for our new free
OSIssoft Learning Channel App
in the Microsoft Windows 8 store!





Q&A

Martin Bryant

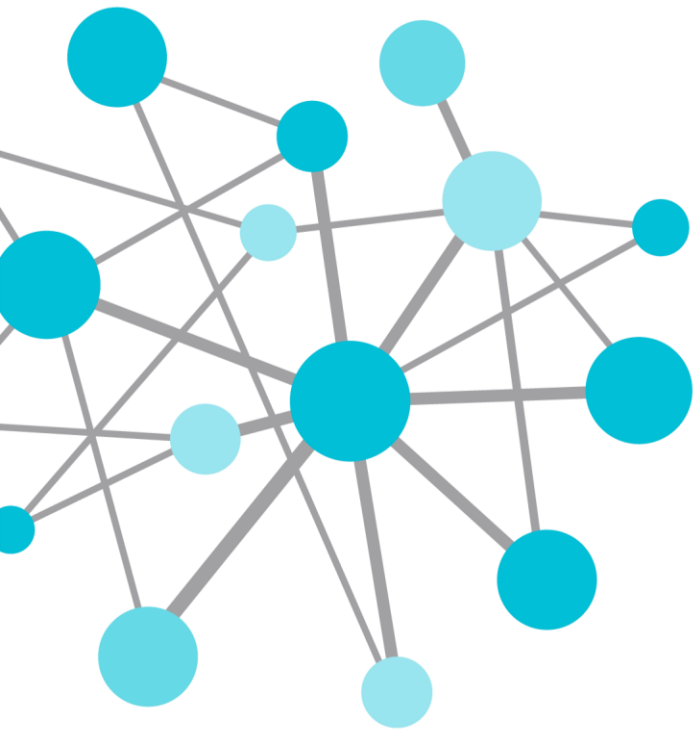
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