OSIsoft。 USERS CONFERENCE 2016

April 4-8, 2016 | San Francisco

TRANSFORM YOUR WORLD

Conference Theme and Keywords

Reliability Millions of Streams Real-time Visualization CBM Scalability
Asset Framework PI System Analytics Quality
IoT Connectivity Sensor-based Data Big Data
Infrastructure High Speed Business Transformation
Security Connected Services
Operational Intelligence Regulatory Compliance
Enterprise Agreement Business Impact
Finterprise Process Operational Efficiency Enterprise Process Operational Efficiency
Time Series Event Frames Future Data
Energy Management Streaming Data Open System **Asset Health**



PI Integrator for Esri ArcGIS

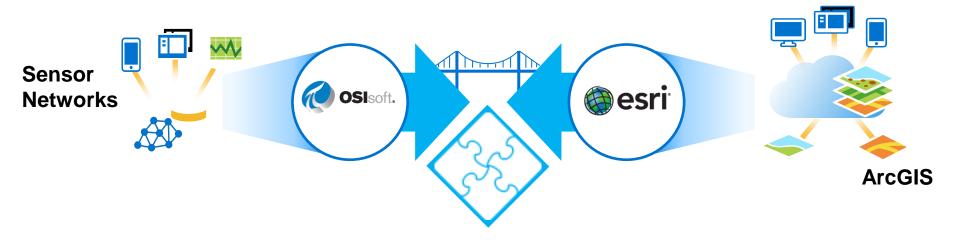
Sparkling Maps are just the beginning

Presented by Michelle Kuiee, OSIsoft

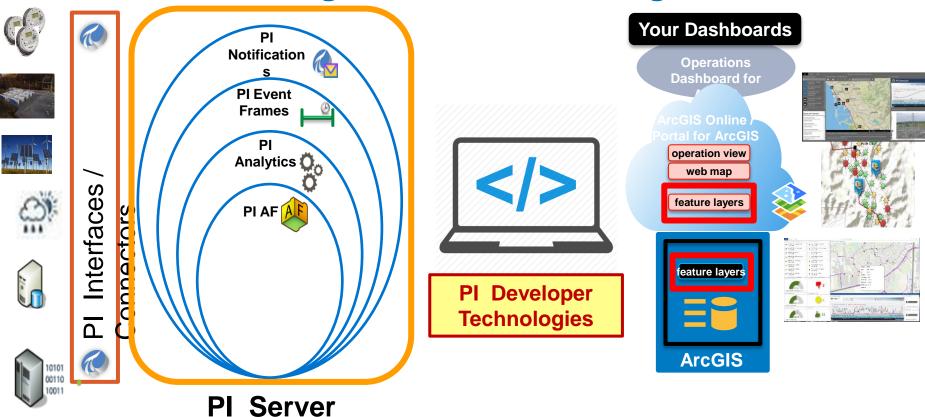


Two companies One Vision

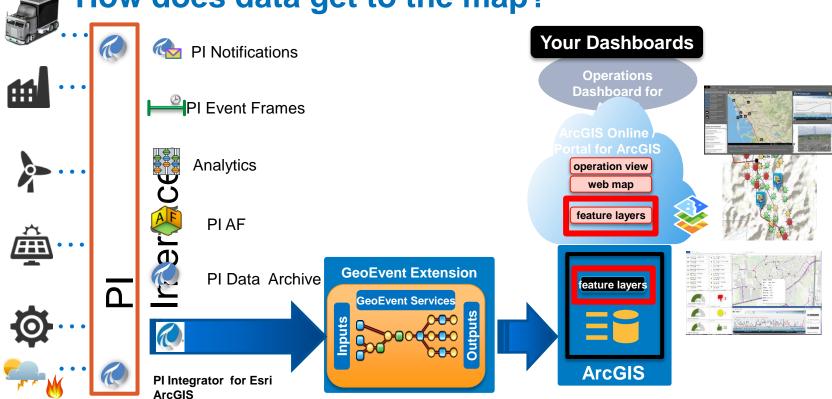
We believe data in the hands of smart people can create amazing insights, business improvements, and value



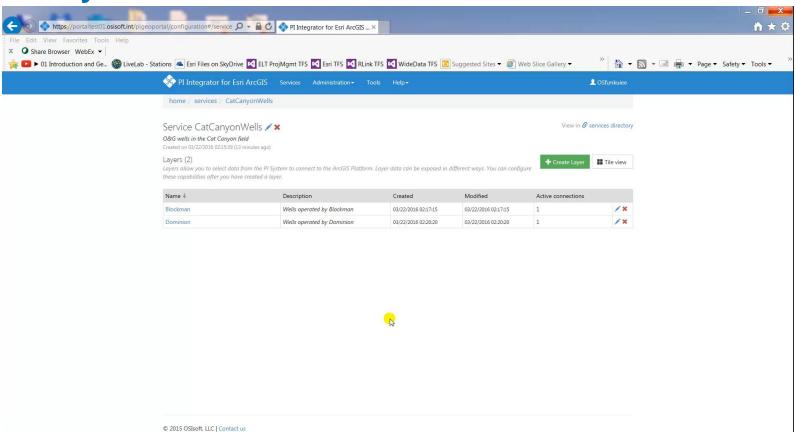
Before the Integrator - How did data get to ArcGIS?



How does data get to the map?



How easy is it?







Customer Use Cases

PJM – Multiple data source to manage the grid









PJM Dispatch Interactive Map Application (DIMA)

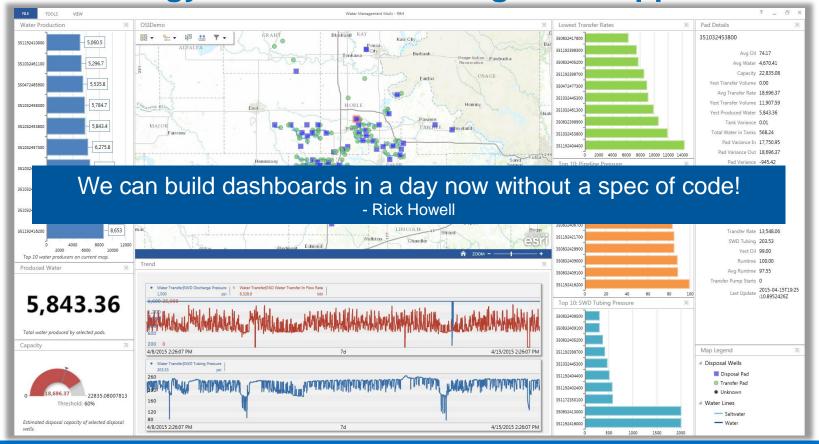






Devon Energy – E&P Water Management Application

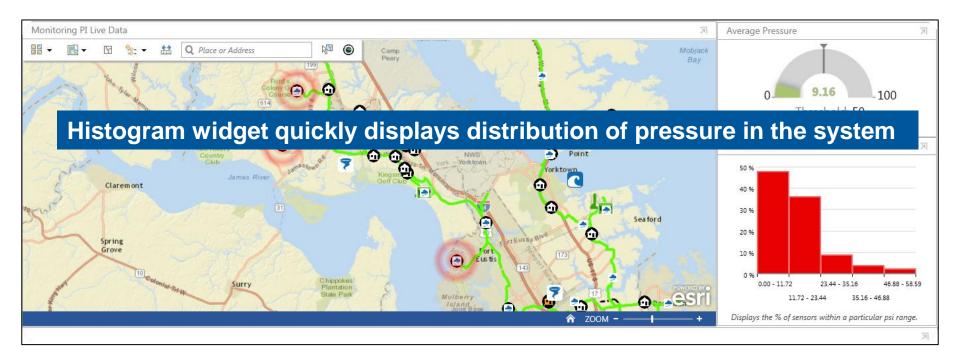






Hampton Roads Sanitation District ArcGIS built in geo spatial analysis adds value to real time data







SDG&E



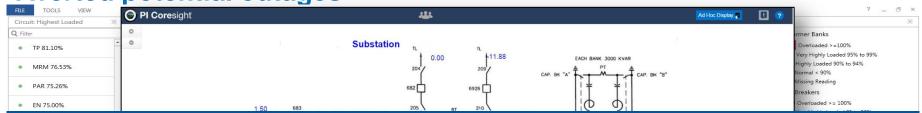




SDG&E

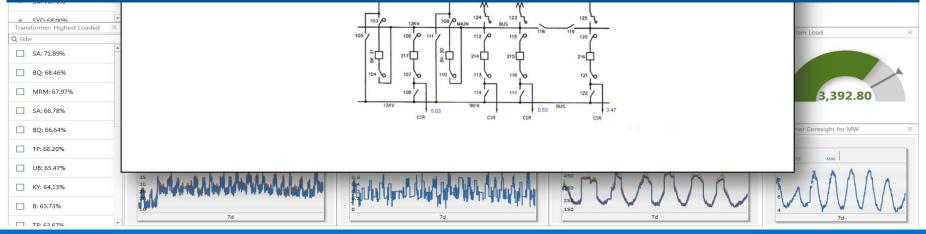


Averted potential outages



You should package up the wizard for the GeoEvent Gallery. I wish we had this for our other integration points!

- Susmita Duncan, GIS Resource & Work Management Systems



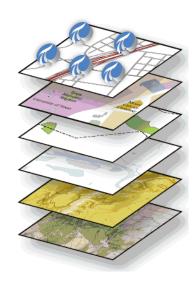




PI Integrator for Esri ArcGIS				
home / services				
Services				
ervices allow you to group map layers that and more on creating services here.	share a common theme or use. You can create a serv	rice first, and od	d map layers to it	later. You can
Name #	Description	Created	Modified	Capabilities
AlohaNuiEnergy	Providing Power to O'ahu	05/01/2014 06:41:19	05/01/2014 06:41:19	Stream Display
ClancyEnergy	Clancy Energy wells and vehicle feeds for the Car Canyon field	01/01/1900	05/02/2014 04:19:54	Stream Display
CLSTrucks	This is a sample feature service for maintenance vehicles	06/26/2014 06:14:00	06/26/2014 06:14:00	Stream Display
ElectricUtilitiesDemo	Sample for the 2014 Esri UC	06/24/2014 11:01:23	06/24/2014 11:01:23	Stream Display
EricITestService	Eric/TestService	07/09/2014 09:16:50	07/09/2014 09:16:50	Stream Display
Esri for Water	LP helping Andrew Hargreaves from Esri	01/13/2015 07/32/41	01/13/2015 07/32/41	Stream Display
Esri PS Demo Service	Esri PS Dema Service - Test	06/24/2014 06:37:28	06/24/2014 06:37:28	Stream Display
Esri Energy Team	Esri Energy Team Service	02/24/2015 10:09:41	02/24/2015 10:09:41	Stream Display
EsnTM	EsriTM	10/31/2014	10/31/2014	Stream Display

PI Integrator for Esri ArcGIS

Features of the ArcGIS Integration



- Any PI System data can update new or preexisting Esri Feature Layers
 - Data is selected through a graphical wizard with no coding required
 - Esri software configuration is done automatically (no custom Esri objects are created)
 - PI AF databases can be jump-started using preexisting Esri Feature Layers
- Esri Feature Layers are visualized using standard Esri clients
- Esri client tools can easily integrate with PI Coresight
 - Historical trends of real-time data are automatically generated for selected map feature
 - Element relative displays are updated for selected map feature
- ArcGIS Asset Extractor
 - Reads Feature Layer data to build AF Template and extracts features from the layer to create AF Elements from the Template



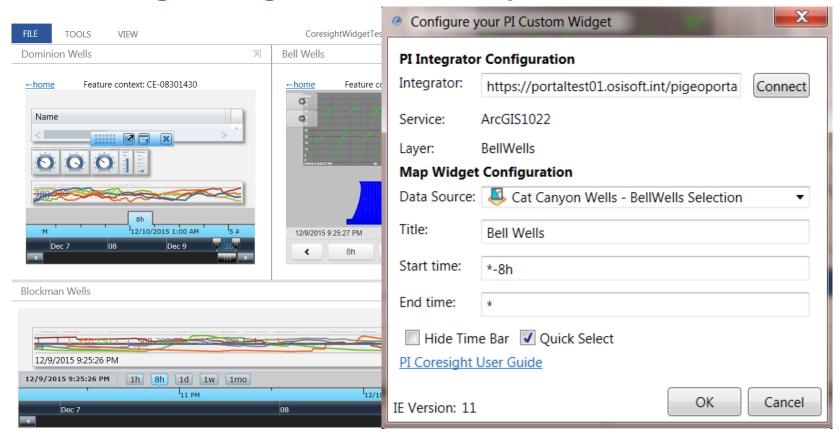


Recap and Coming Attractions

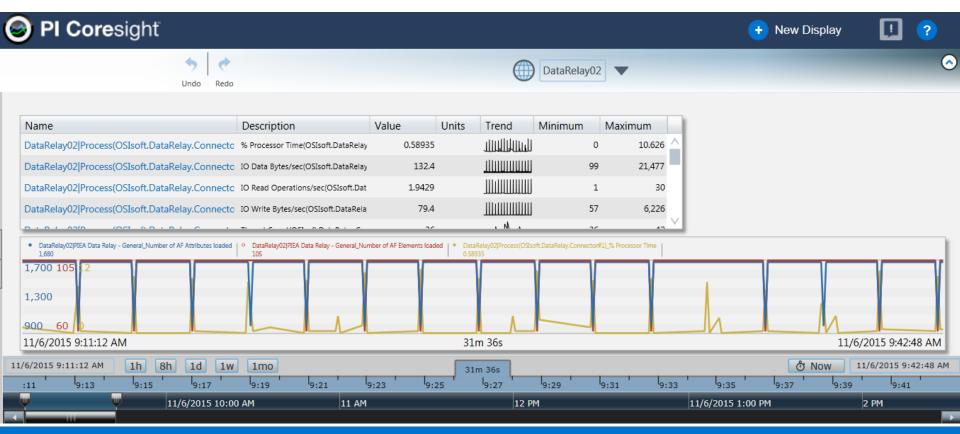
Delivered in Esri Integrator 2015 (4Q15)

- ArcGIS 10.3.1 support
- Native Operations Dashboard widgets
 - Ad-Hoc Trends
 - Coresight Displays including Processbook
- Performance Counters
 - NOC Monitoring/Management
 - Application Server
 - Data Relay

Native Coresight Widgets for ArcGIS Operations Dashboard



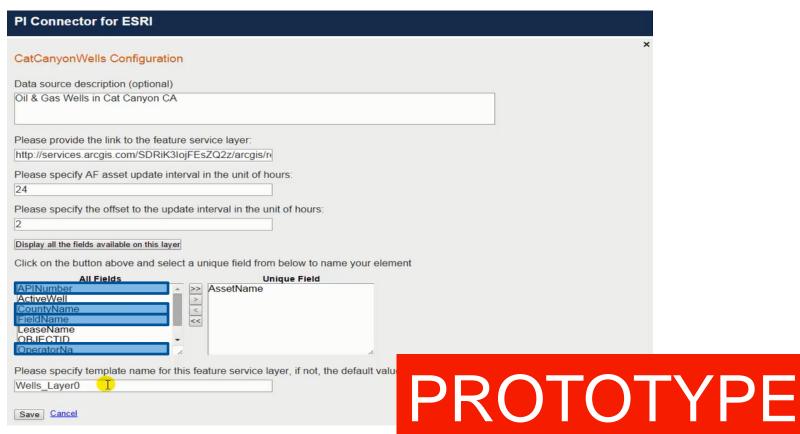
Data Relay Performance Counters



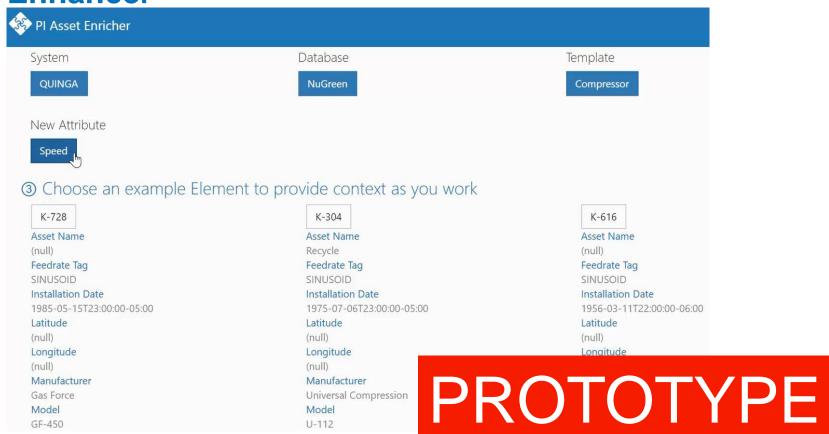
What's next for the PI Integrator for Esri ArcGIS

Manageability **RESEARCH:** Enhanced Rewindable Maps publication **More Widgets** Asset Sync **Event Frames** identification for Support mobile Asset troubleshooting in ArcGIS devices ArcGIS environment Add widgets for clean up when ArcGIS WebApp Integrator objects Builder are deleted

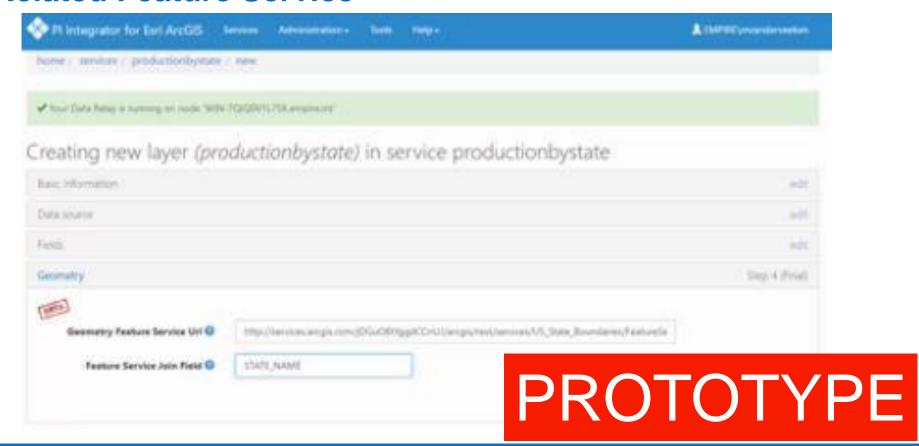
PI Connector for Esri ArcGIS



Asset Enhancer



Related Feature Service





BetaIntegratorforEsri@OSIsoft.com

Esri Integrator Team Needs you!

- We need feedback!
 - PI Connector for Esri ArcGIS
 - Delete WizardStream Layers
 - Replay History
- Please drop a line to:



BetaIntegratorforEsri@OSIsoft.com



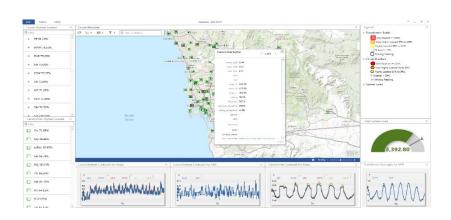


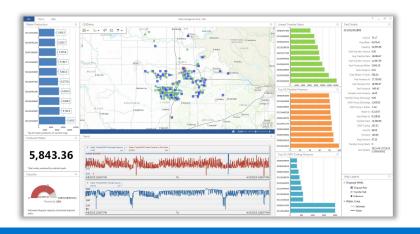
Beyond the Sparkle

Beyond Sparkling Maps









Spatial Analysis

- Exploit real time data in a spatial context
- Explore geographical relationships
 - Ask questions
 - Explore the data
 - Analyze and model
 - Interpret results
 - Make decisions





Customer Presentations at UC 2016

- The Making of a PI System Data/Esri ArcGIS Operational Dashboard -Hampton Roads Sanitation District
- Using Operational Real-time Data to Improve Dispatchers Situational Awareness – PJM
- Use Cases of the PI Integrator for Esri ArcGIS in Distribution SDG&E
- "Equipment" Failure is Not an Option PowerStream
- Commercial/Residential Solar Programs Arizona Public Service

감사합니다

Danke

谢谢

Gracias

Thank You

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Спасибо

Obrigado



Merci

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Questions

Please wait for the microphone before asking your questions

State your name & company

Please remember to...

Complete the Online Survey for this session





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