

osisoft. REGIONALS SEMINARS The Power of Data

DECISION READY IN REAL-TIME

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Presented by Marc Gallant, Regional Sales Manager mgallant@osisoft.com



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Agenda







Journey To Operational Intelligence Megatrends Influencing Operations Operational Intelligence examples

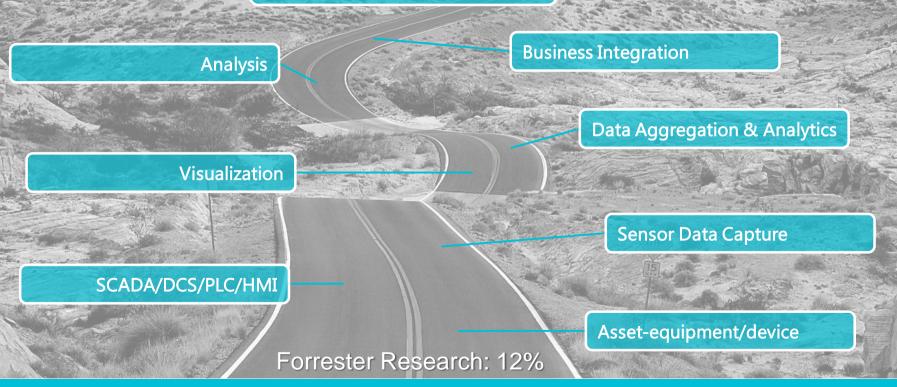
How can you achieve Operational Excellence with :

- Hundreds of assets to monitor
- Thousands of events to manage
- Demanding we connect data, to systems, to people, to actions
- Availability and accessibility of this data is critical



Journey to Operational Intelligence

Data Driven Insights



Operational Intelligence



Operational intelligence (**OI**) is a category of <u>real-time dynamic</u>, <u>business analytics</u> that delivers <u>visibility and insight</u> into data, <u>streaming events</u> and <u>business operations</u>. Operational Intelligence solutions run queries against <u>streaming data feeds</u> and <u>event data</u> to deliver real-time analytic results as <u>operational instructions</u>.^[1] Operational Intelligence provides organizations the ability to make <u>decisions and immediately</u> act on <u>these analytic insights</u>, through manual or automated actions.

Help	Operational intelligence (OI) is a category of real-time dynamic, business analytics that delivers visibility and insight into
About Wikipedia	data, streaming events and business operations. Operational Intelligence solutions run queries against streaming data feeds
Community portal	and event data to deliver real-time analytic results as operational instructions. ^[1] Operational Intelligence provides
Recent changes Contact page	organizations the ability to make decisions and immediately act on these analytic insights, through manual or automated
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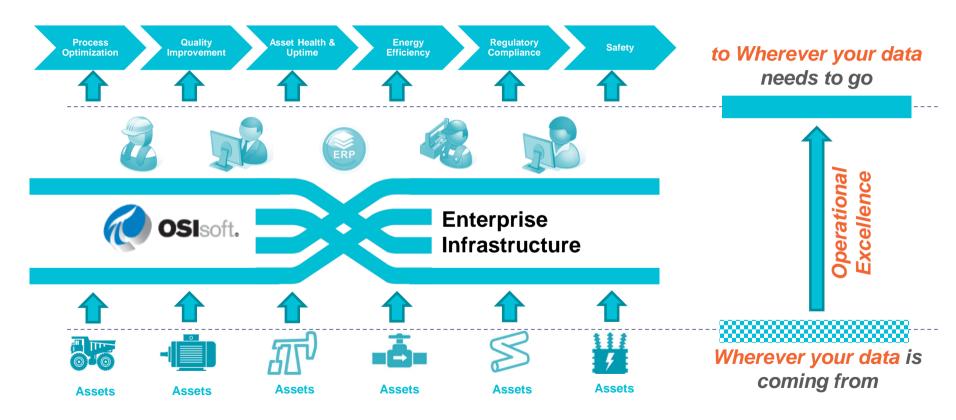
PI System Infrastructure



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Operational Intelligence Infrastructure



Partner Ecosystem for Infrastructure Excellence





200+ partners

- Integration services
- Specialized Hardware
- Solutions

Recent R&D achievements to evolve your PI infrastructure



- PI Connectors
- PI Cloud Connect
- PI Integrator for Esri ArcGIS





- PI Server 2014
 - PI AF 2014 Asset Analytics
 - PI Event Frames



- PI Coresight 2014
 - Display PI ProcessBook screens
 - PI Coresight mobile multidevices - HTML5
- PI DataLink 2014
 - PI Event Frames

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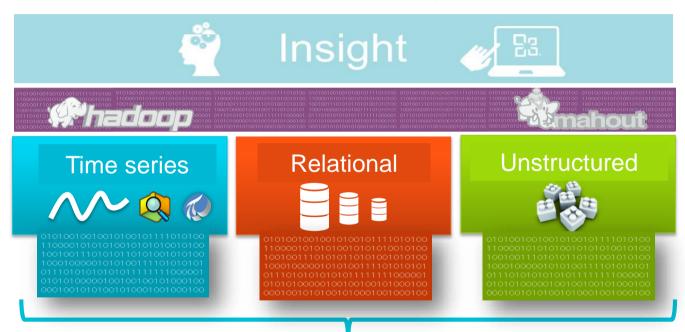


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Global Megatrends



Your PI System infrastructure is essential to support a *Big Data* Strategy



« Big Data » - Uses all the data for a better understanding

2015 R&D directions

- ationa data
- Store predictive analysis/simulations data
- Offer easy integration with platforms :
 - Big Data Hadoop and SAP HANA
 - Visual Analysis tools Bl
- Extend Cloud offering

Join the discussions and desian

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Columbia Pipeline

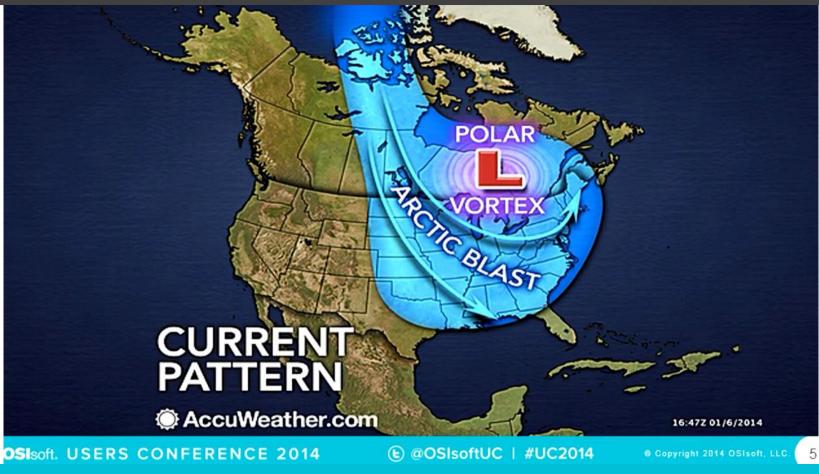


- Company specialized in the transportation of natural gas
- Established of a strategy of Operational Intelligence in 2011
 - Internal code name: Enterprise Analytics
- The project was accelerated by the Enterprise Agreement of OSIsoft

"Columbia Pipeline kept the east of the United States warm during the last difficult winter"



UC 2014 - Columbia Pipeline Group



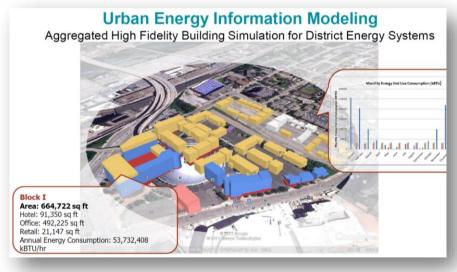
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Carnegie Mellon University



- Research and innovation chair for buildings energy management of in a City Area
 - Universities
 - CMU, U-Pittsburgh, Penn State,...
 - Municipality
 - City of Pittsburgh
 - Commercial buildings
 - PNC Park, Phipps Conservatory, Alcoa, Bayer, PNC Bank,...



Partnership for Innovation





- Integrated with Power BI for Office 365, Azure Machine Learning (ML)
- Predicting energy consumption and equipment faults across buildings
- Predictions stored as "Future Data" in PI 2015 (now in Beta)
- Real-time Visualization on PI Coresight
- Documented up to 30% energy savings

"With OSIsoft and Microsoft data and cloud technologies, we can integrate almost any device interface and data type."

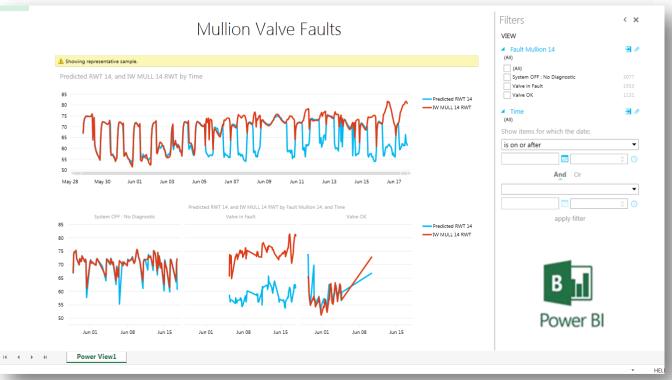
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Bertrand Lasternas, Researcher Carnegie Mellon

Microsoft Azure Machine Learning



Example: Detection and failure diagnosis - Predictive Maintenance



Example: Prediction of energy and temperature

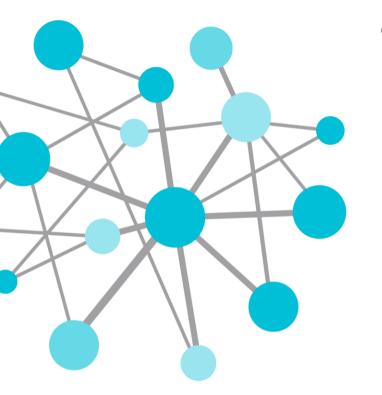


Summary: Operational Intelligence

- It's a journey:
 - accelerated by the right infrastructure and the rights partners
 - influenced by megatrends that lead us to new possibilities

"Intelligence without data is the slowest path to success. Data without intelligence is the noise before failure" -OSIsoft





FHANK YOU



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Agenda	
07:30 - 08:30 a.m.	Registration and Continental Breakfast
08:30 – 09:00 a.m.	Welcome: Industry Trends & Manufacturing Operational Excellence - OSIsoft Jason Kurdziel, Account Manager
09:00 - 09:30 a.m.	The Journey to Real Time Operational Intelligence - OSIsoft Marc Gallant, Regional Manager
09:30 - 10:15 a.m.	Journey to Asset-Based Data – The Kellogg Story John Gothberg, IT & Control Systems Manager
10:15 - 10:30 a.m.	Break / Demo Pods
10:30 - 11:15 a.m.	Integrating your Plant Information Management System: Strategies for Success Kirt Anderson, Senior MES Project Manager – Stone Technologies
11:15 - 12:00 p.m.	Rapid Insights with Data Analytics - Tate & Lyle Mark Massey, Process Control Software Manager: Global Manufacturing
12:00 - 01:30 p.m.	Lunch / Demo Prods
01:30 – 02:15 p.m.	Analyzing Location for the Most Profitable Supply Chain – Esri Ryan Schacht, Account Executive
02:15 – 03:00 p.m.	Chocolate PI - The Hershey Company Russell Gregg, Sr. Project Manager: IS Global Supply Chain/Manufacturing Systems
03:00 – 03:45 p.m.	Evolution of OSIsoft PI to an Enterprise Agreement - Abbott Nutrition Rich Colvin, Area IT Manager: ANSC Asia & Ireland
03:45 - 04:15 p.m.	Roundtable Review
04:15 - 04:30 p.m.	Wrap-up/Seminar Conclusion – Jason Kurdziel, Account Manager, OSIsoft
04:30 - 06:00 p.m.	Networking Reception / Demo Pods