

Regional Seminar Series Richmond



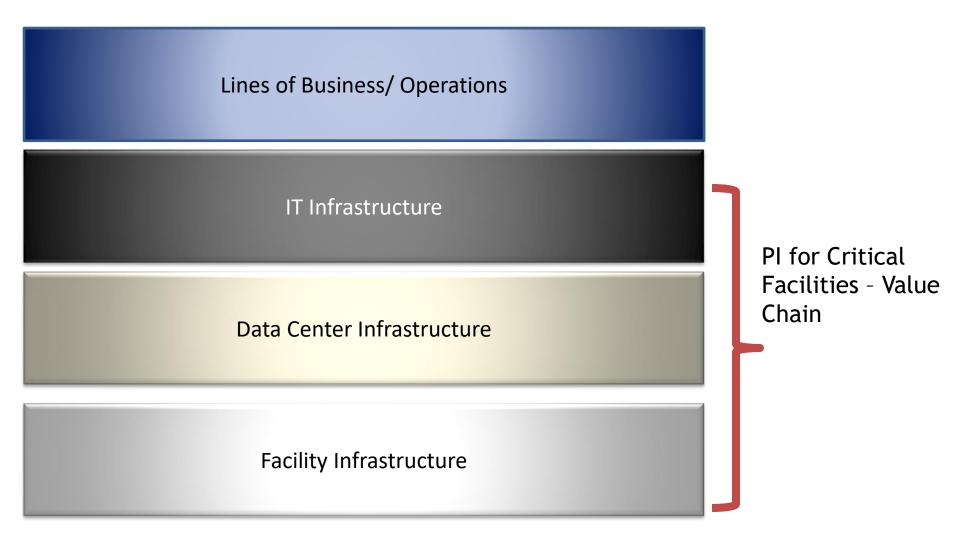
Introduction - PI for Critical Facilities

Mike Mihuc Regional Manager - Northeastern US OSIsoft, Inc.

September 22, 2009

PI for Critical Facilities





Customers using Pi for Critical Facilities



Facility Customers











Data Center Customers













Eastman Kodak



BUSINESS SITUATION

Kodak Park wanted to find a way to present real-time energy data on their portal lowering the cost of curiosity and significantly reduce their energy utilization.

BENEFITS

Significant ROI – Millions of dollars in savings. Improved demand side management and optimization of generation assets.

Continuous Process Improvement – Identified opportunities in manufacturing to implement an energy conservation mode between product runs

PI at Eastman Kodak



Kodak Park facts

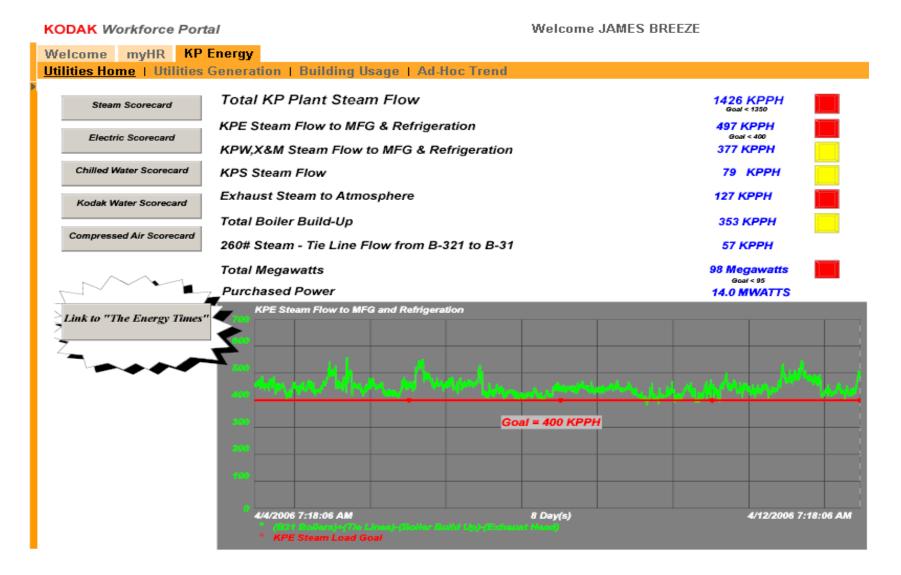
- Area>20,000,000 Square Feet
- 11,000 Employees
- Operates its own fire department
- Operates its own rail road
- Performs its own water and waste water treatment
- Operates 2 power plants
- Benefits >\$10MM!

Measurements

- •600 Electric Distribution Meters
- •600 Additional Distribution **Meters** for Steam, Chilled water, Brine, Compressed air, Process water, Nitrogen, Natural gas etc.
- •Significant **Metering** Used within the Power Houses to Manage the **Generation** Side

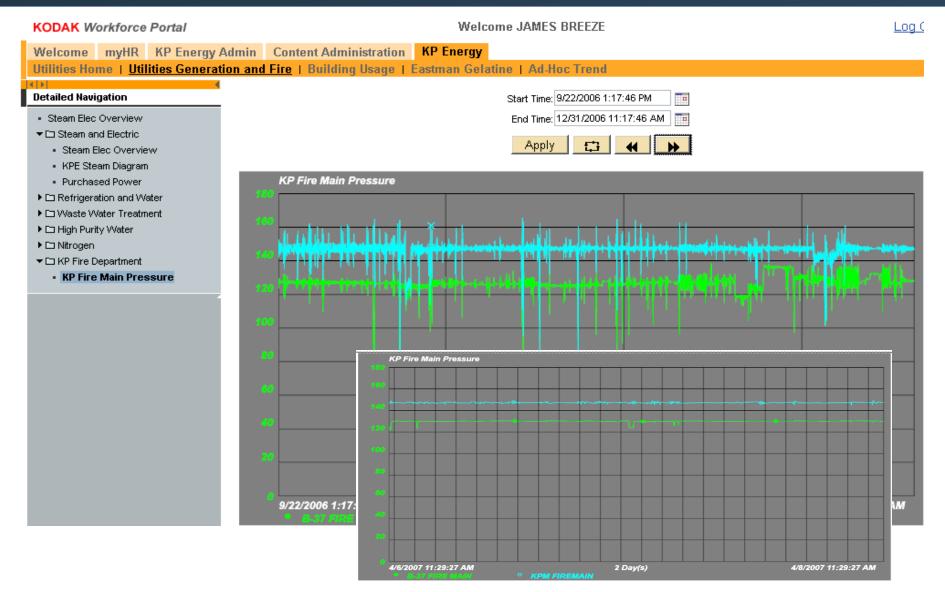
Kodak Benchmarked their Process





KP - 22 Inch Fire Suppression Water Main





Take Away



- First step is understanding and benchmarking your operations
- OSIsoft has interfaces for Critical Facilities and IT
- Your Account Manager would be happy to talk with you in order to understand your situation and to see how PI could create value

PI expansion update- see for yourself



UC Davis

http://facilities.ucdavis.edu/Dashboard/

Queen's University

http://livebuilding.queensu.ca/

Rochester University

http://meters.energy.rochester.edu/rc%20sharepoint%20files/hutch%20hall%20electric.aspx

2009 User Conference Critical Facilities Track -

Industry Observations and Trends (David Jump, Quantum Energy) - PPT

<u>The Daily Miracle of Internet Connectivity (PI Data Centers)</u> (Greg Dumas, DST Controls, Ernest Holloway, Pamela Brigham, Equinix) - PPT

Real time Data for Data Center and Lab Energy Efficiency (Chris Nolan, Cisco Systems, Ken Morikawa, OSIsoft) - PPT

The Data Center Dashboard (Steven Berkovich, Teresa Tung, Accenture) - PPT

<u>Understand How PI is being used at Microsoft in the 10min. Wrap</u> (Scott Mauvais, Microsoft Technology Center) - PPT



Thank you

© Copyright 2009 OSIsoft, Inc.

777 Davis St., Suite 250 San Leandro, CA 94577