

Regional Seminar Series Cleveland



Critical Facilities Management

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Customers using Pi for Critical Facilities



Facility Customers











Data Center Customers







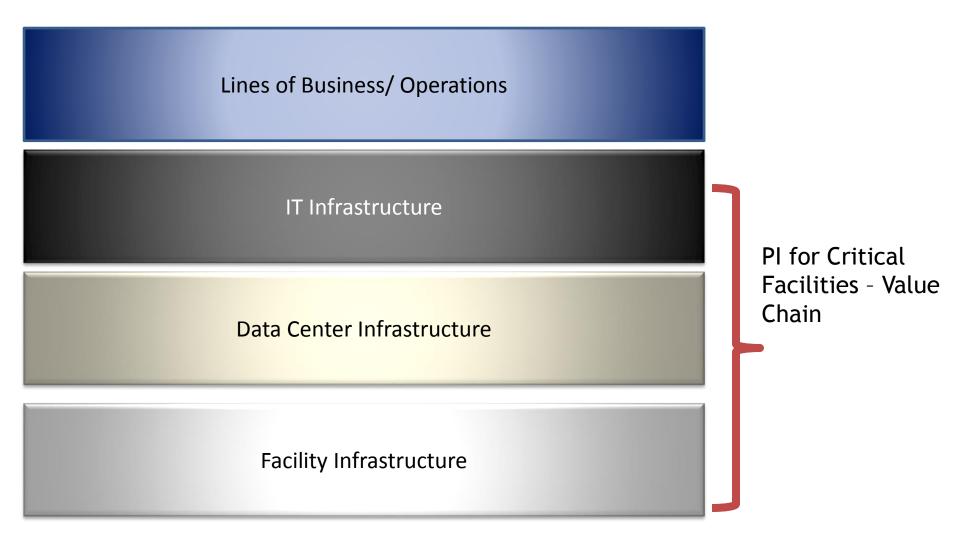






PI for Critical Facilities





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

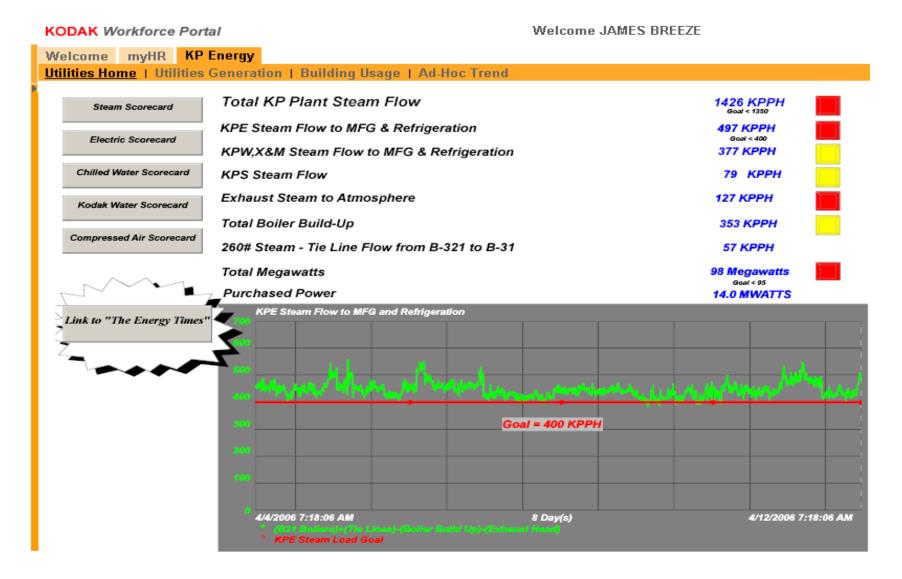
- Area>20,000,000 Square Feet
- 11,000 Employees
- Operates its own fire department
- Operates its own rail road
- Performs its own water and waste water treatment
- Operates 2 power plants
- Benefits >\$10MM!

<u>Measurements</u>

- •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

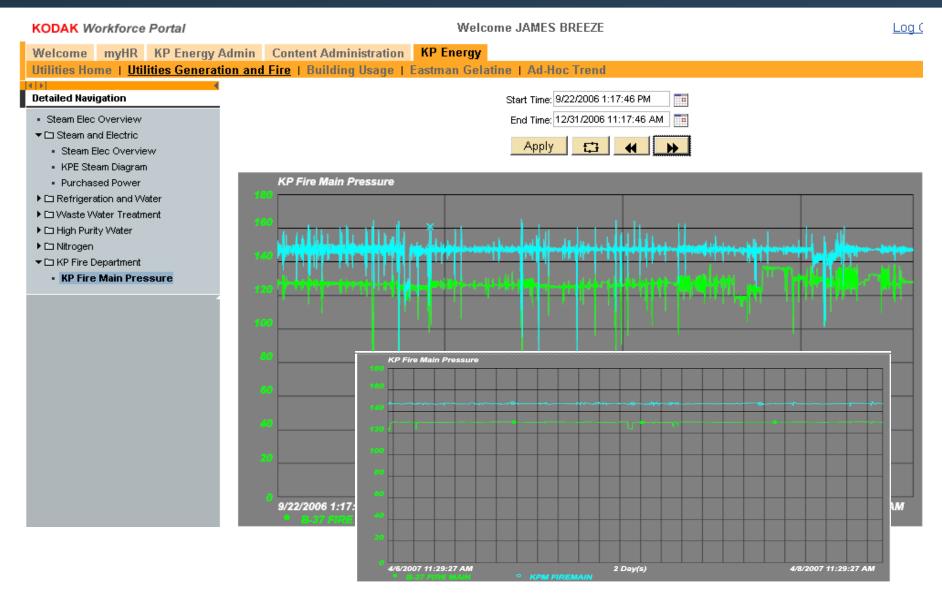
Kodak Benchmarked their Process





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

<u>The Data Center Dashboard</u> (Steven Berkovich, Teresa Tung, Accenture) - <u>PPT</u>

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



Thank you

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