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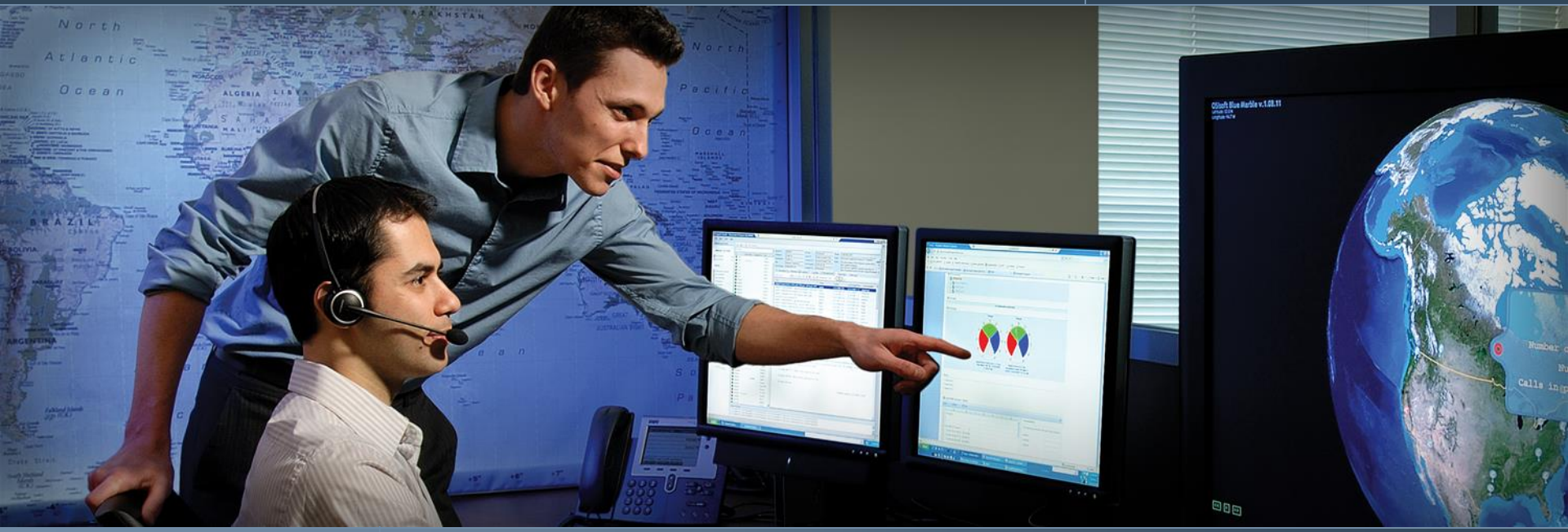
Regional Seminar Series



Critical Facilities Introduction – NYC Sept 15, 2009

Mike Mihuc – Regional Manager OSIsoft

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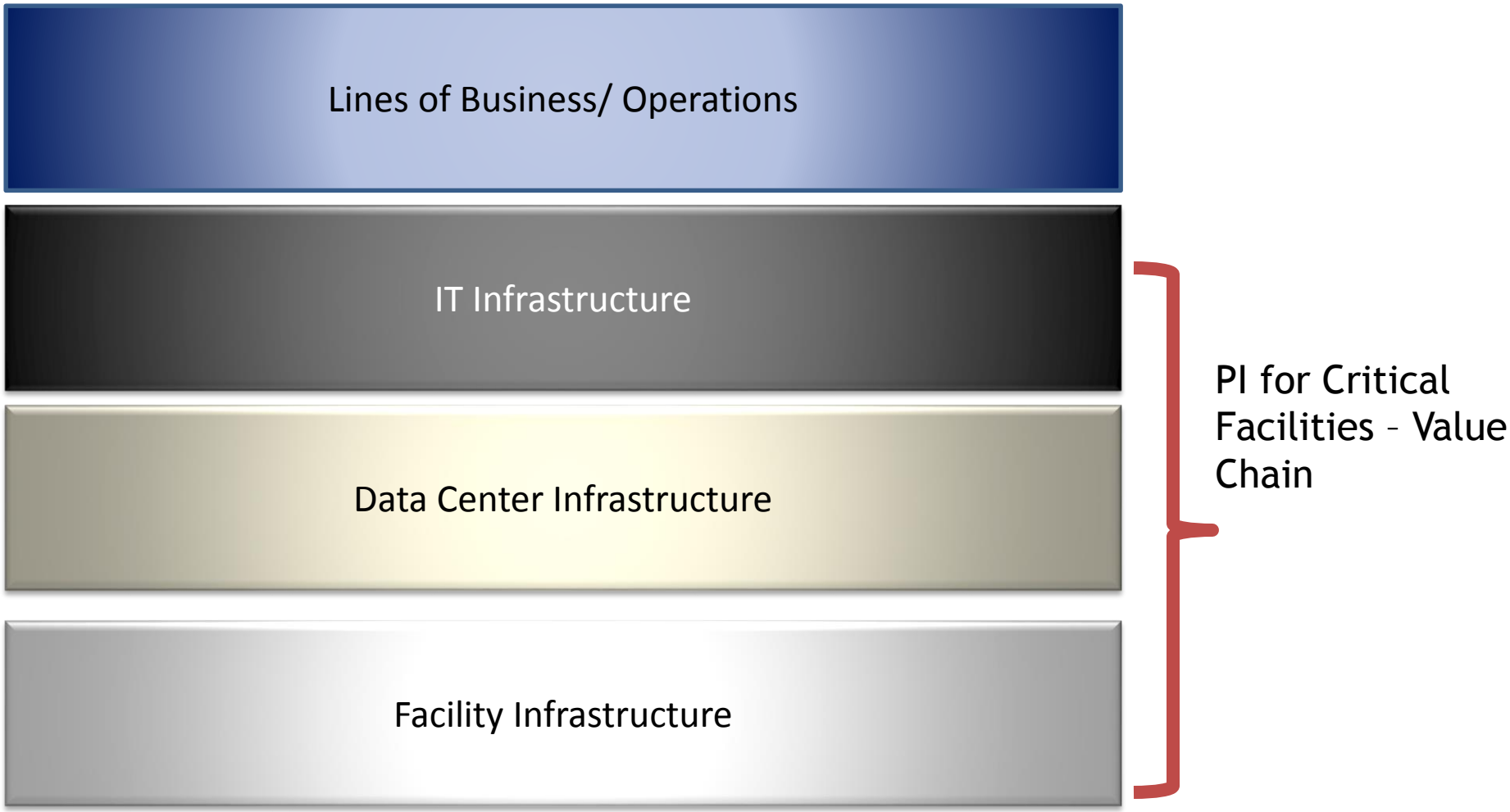
PI for Critical Facilities



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Drivers for Operations and Critical Facilities

- Maintaining Availability Still the Top Priority
- Reducing Operational Costs
- Improving Energy Efficiency
- Compliance with Government Regulations

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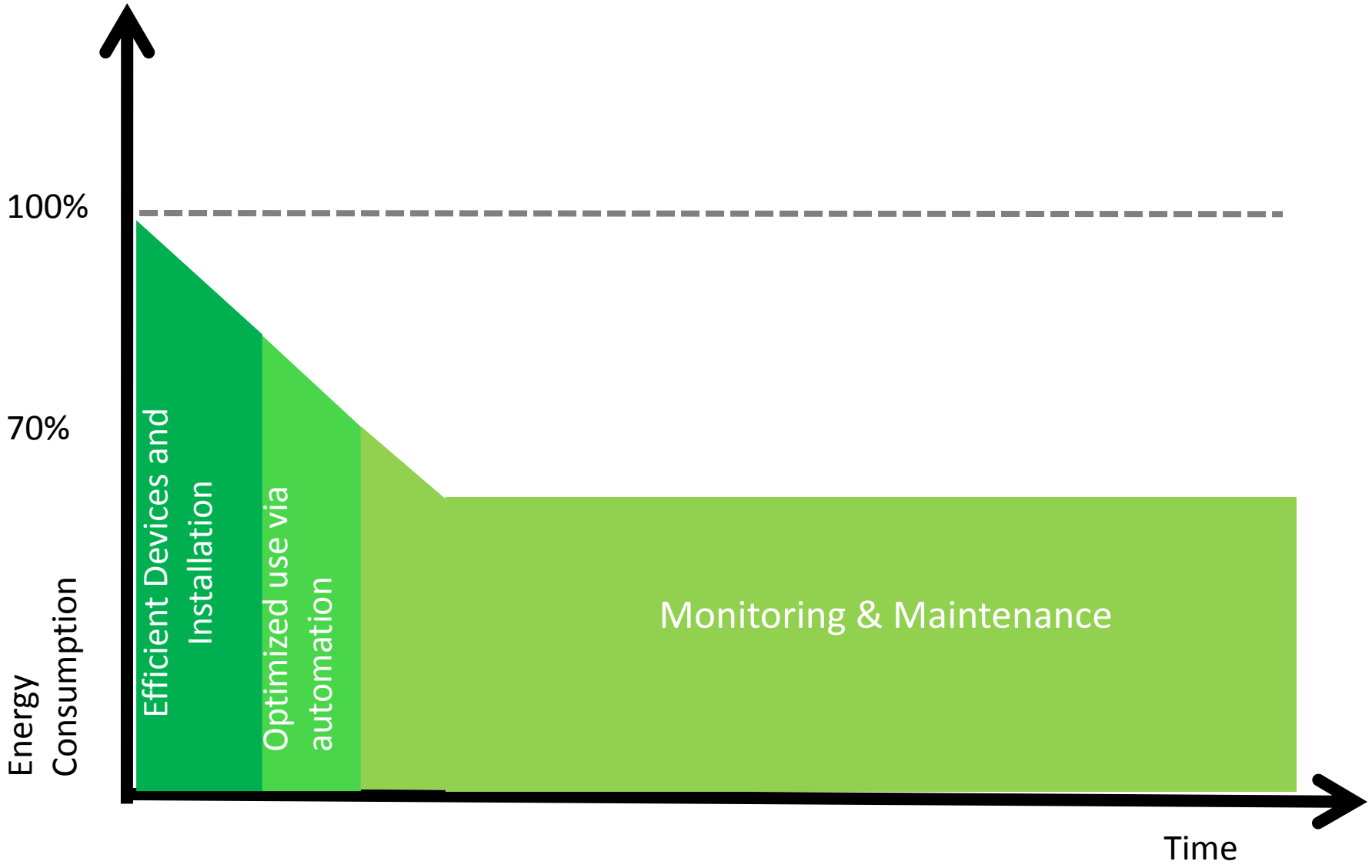
Energy Management



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Customers using Pi for Critical Facilities

Facility Customers

Data Center Customers

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Eastman Kodak

BUSINESS SITUATION

Kodak Park wanted to find a way to present real-time energy data on their portal in order to lower 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

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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

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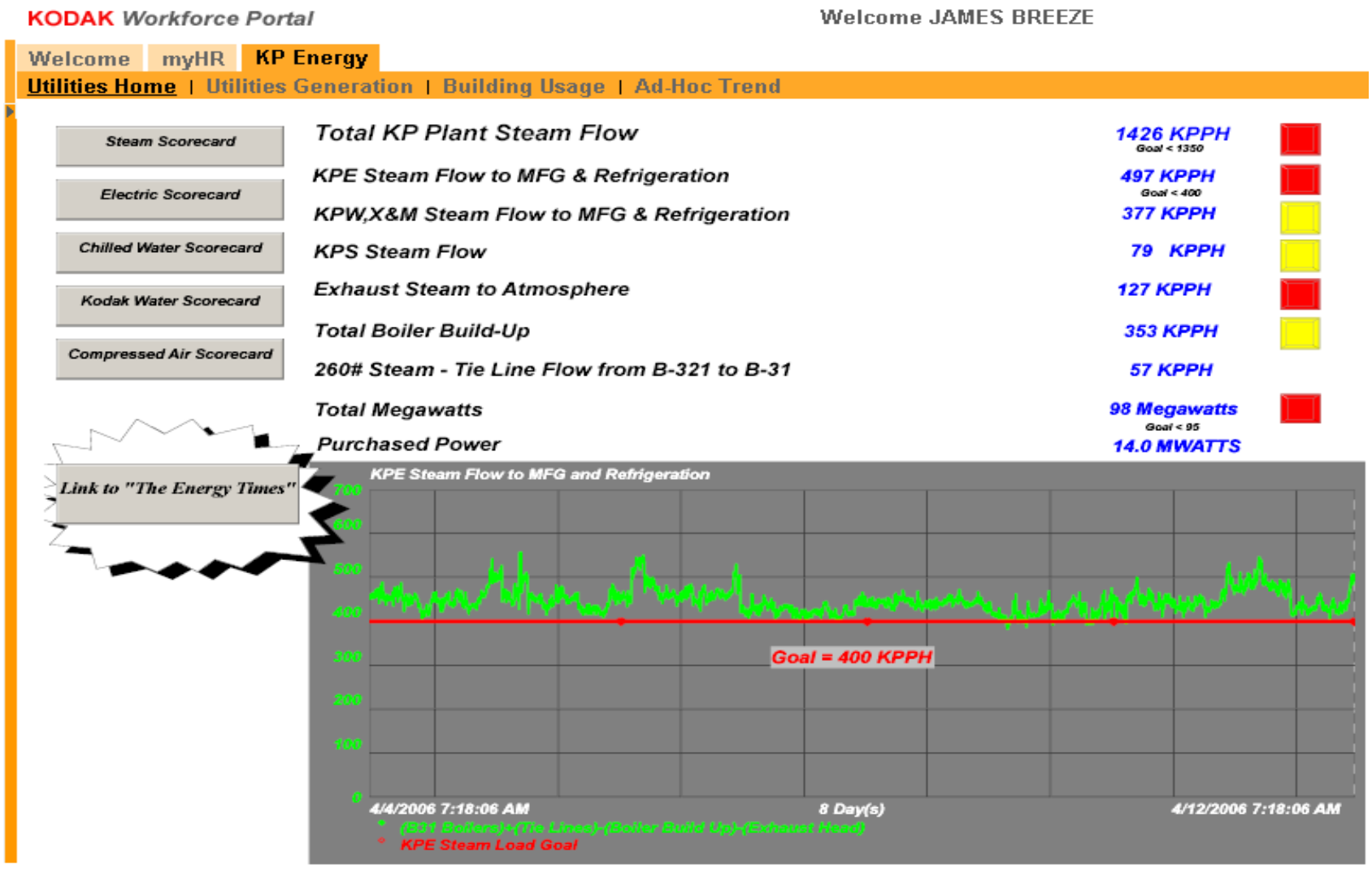
Kodak Benchmarked their Process



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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

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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
The Daily Miracle of Internet Connectivity (PI Data Centers) (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
Understand How PI is being used at Microsoft in the 10min. Wrap (Scott Mauvais, Microsoft Technology Center) - PPT

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Thank you

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