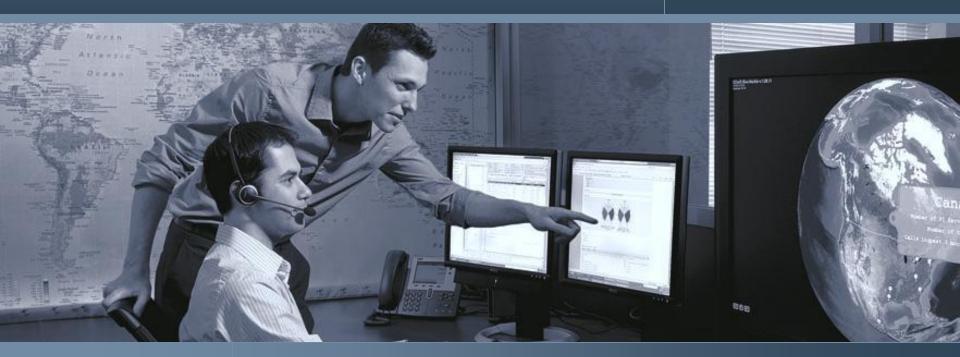


Regional Seminar Series Boston



PI System 2010 - Visualizations and the PI System

Gopal Gopalkrishnan Product Manager OSIsoft, LLC

November 3, 2010



Experience









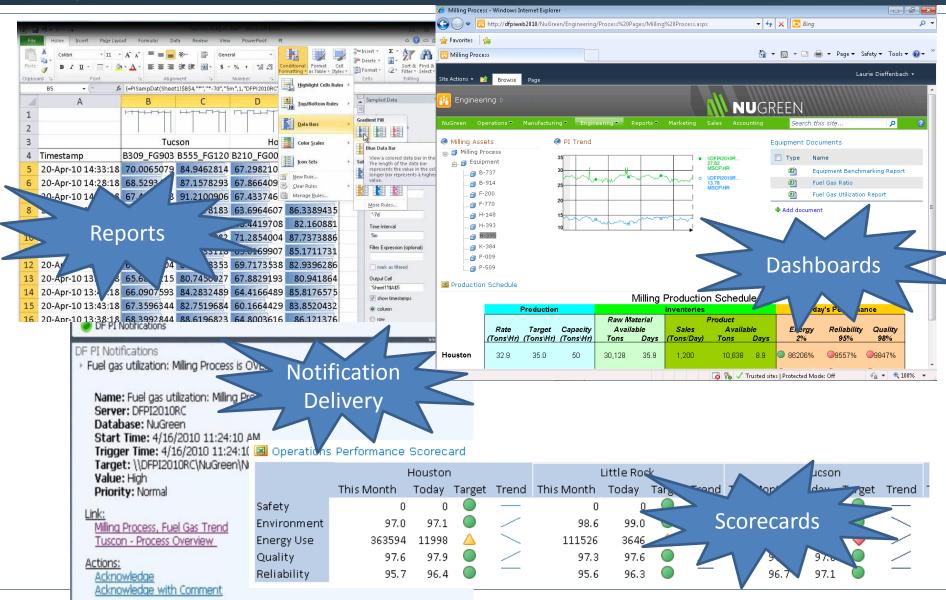






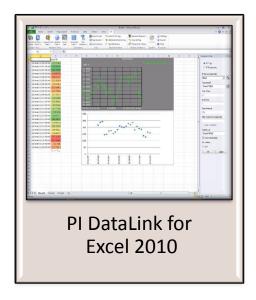
What's New with Visualization in PI System 2010?

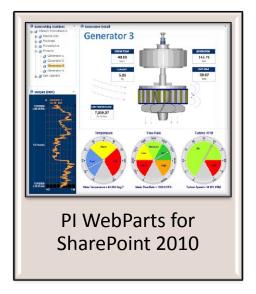


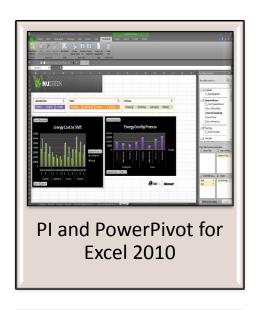


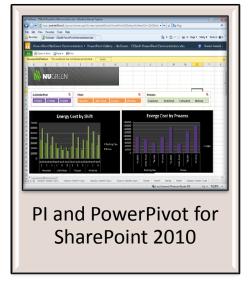
Visualization for PI System 2010

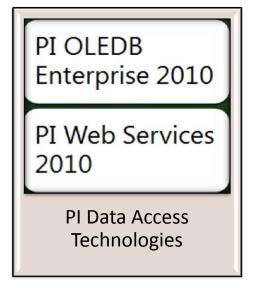


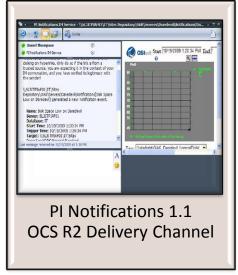






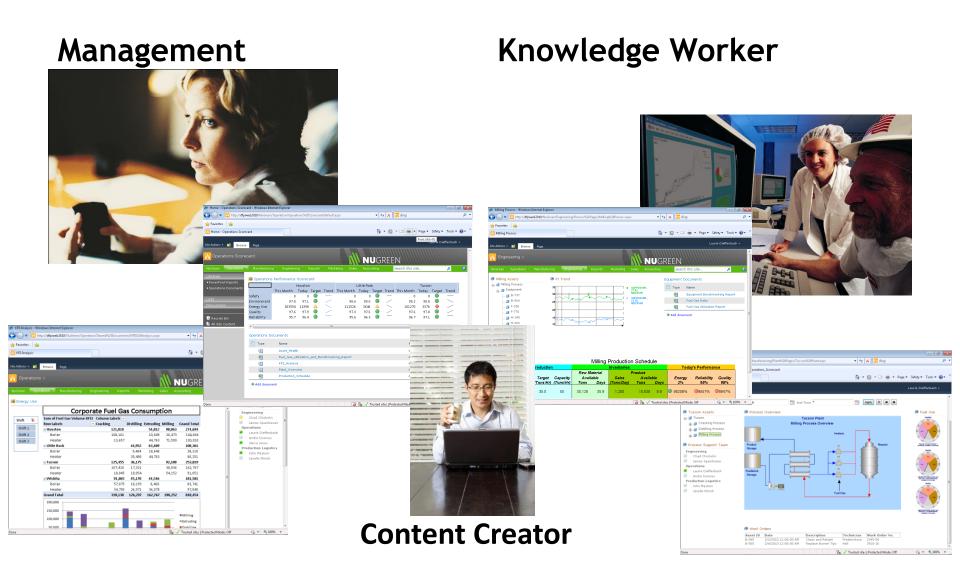






Role-based Dashboarding



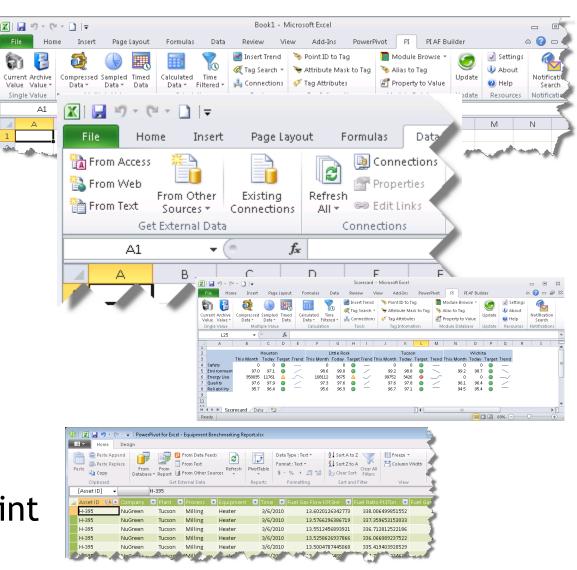


Content Creator Roles



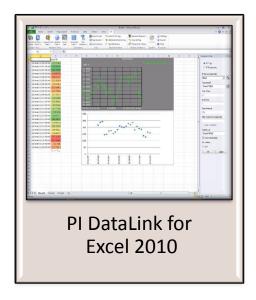
 Use different data sources

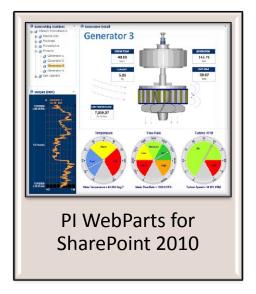
- Create scorecards
- Create multidimensional reports
- Publish to SharePoint

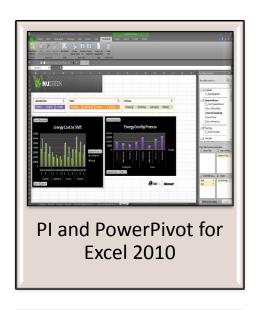


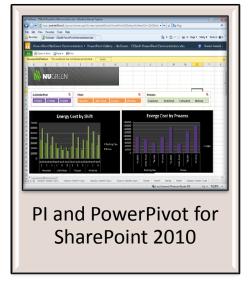
Visualization for PI System 2010

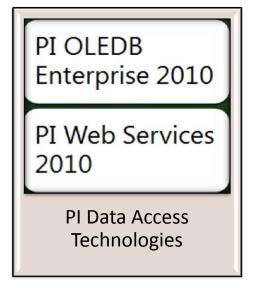


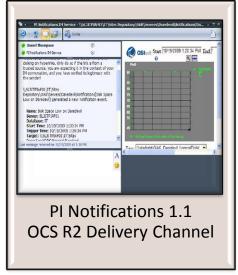






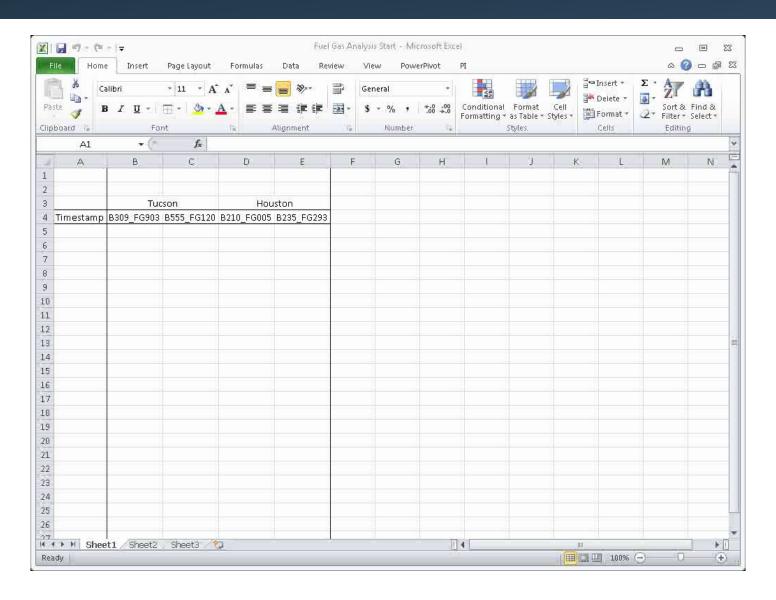






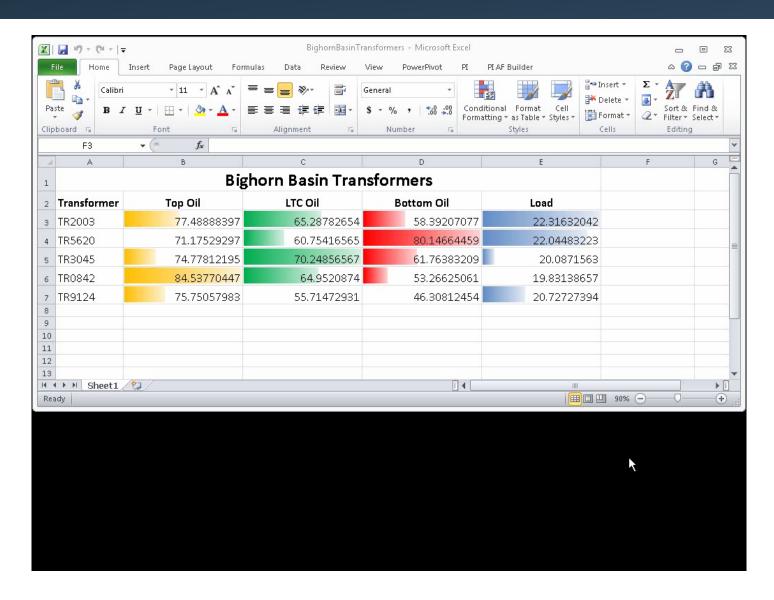
Using Excel 2010 features with DataLink





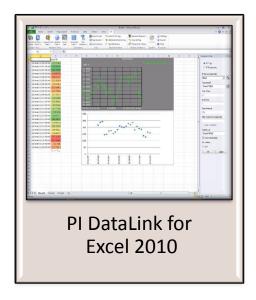
Creating reports to drive PI WebParts pages

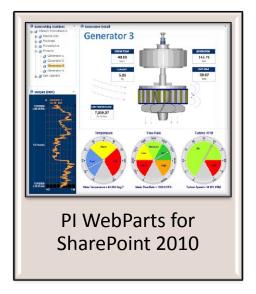


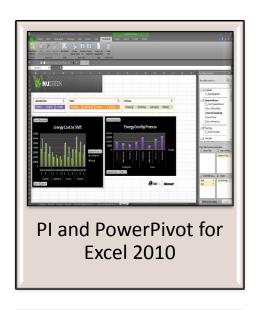


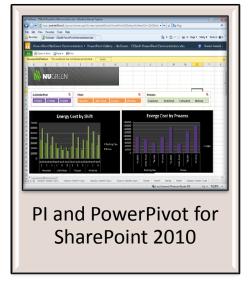
Visualization for PI System 2010

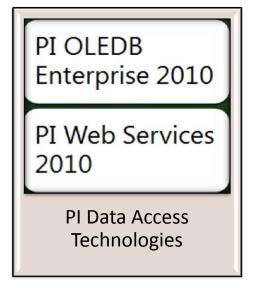


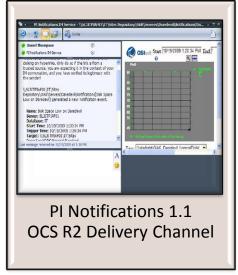






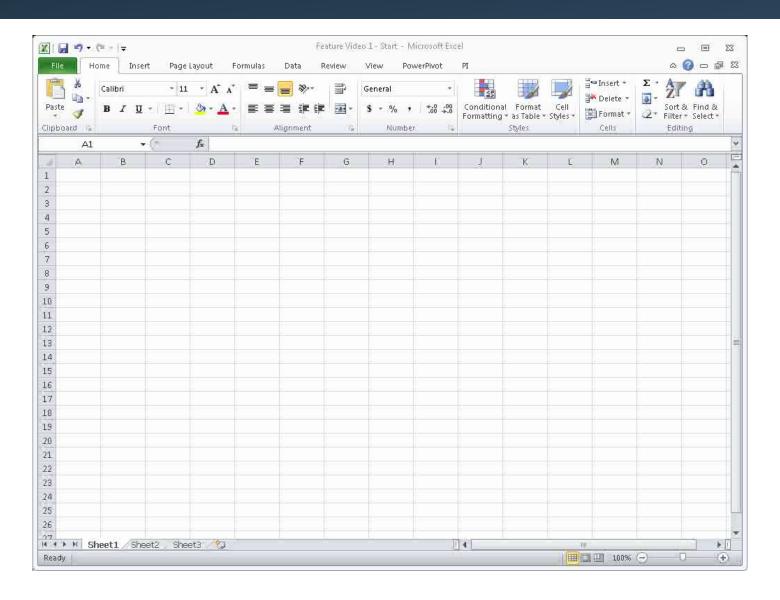






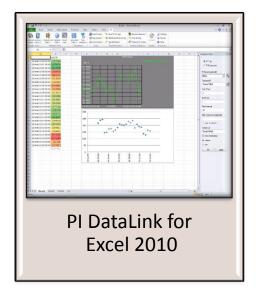
Building Multi-dimensional Reports

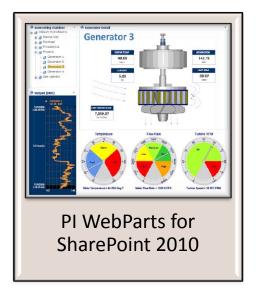


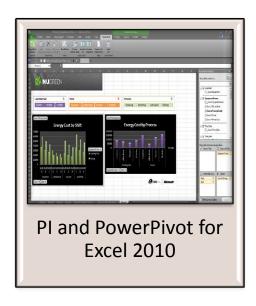


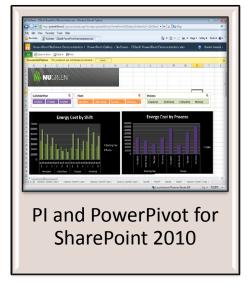
Visualization for PI System 2010

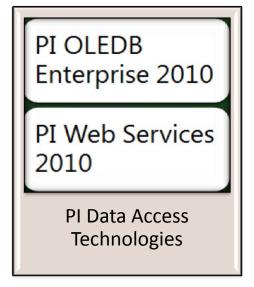


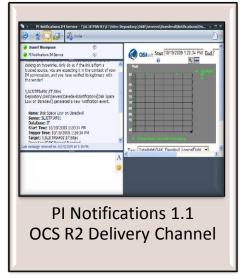






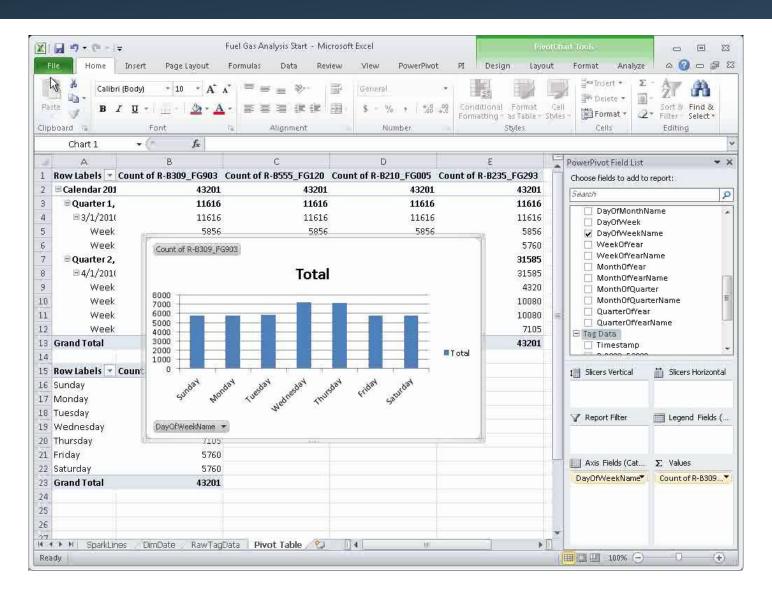






Publishing to SharePoint

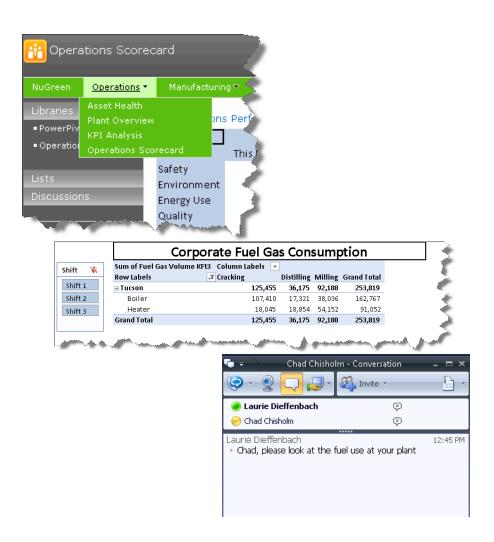




Management Roles

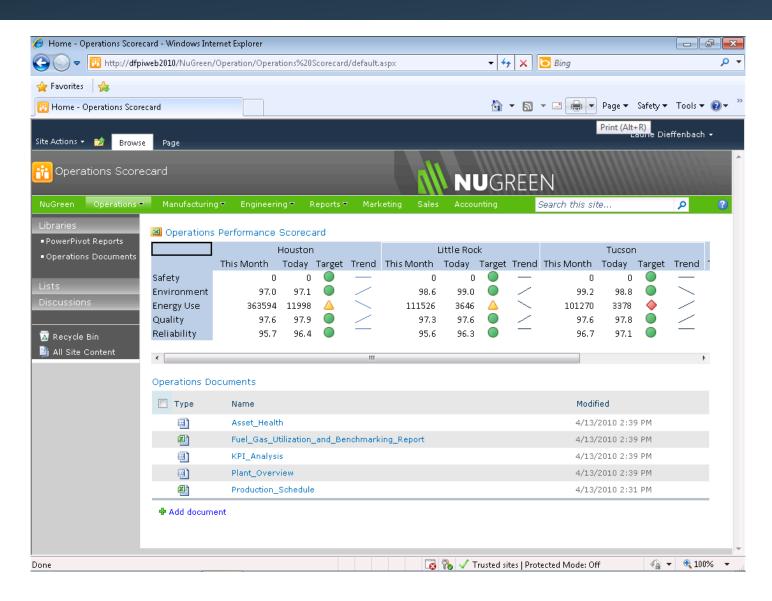


- Easy navigation to needed information
- Content is already built, but can interact with it to focus on an issue
- Easy access to assistance from experts



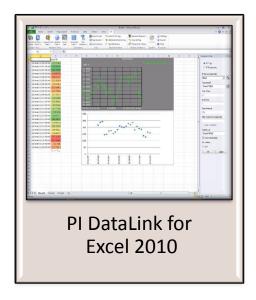
Scorecards in SharePoint

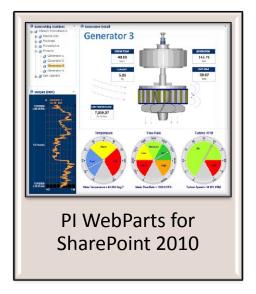


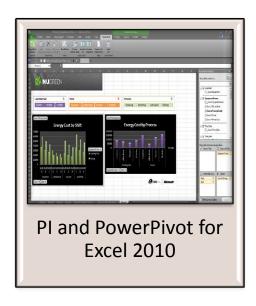


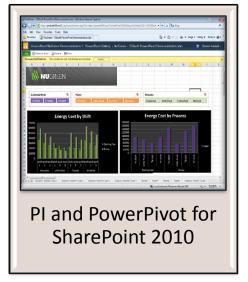
Visualization for PI System 2010

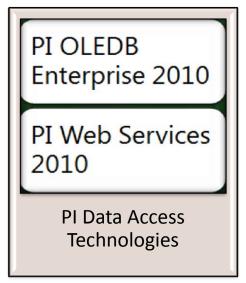


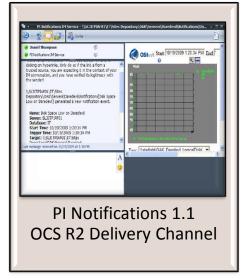






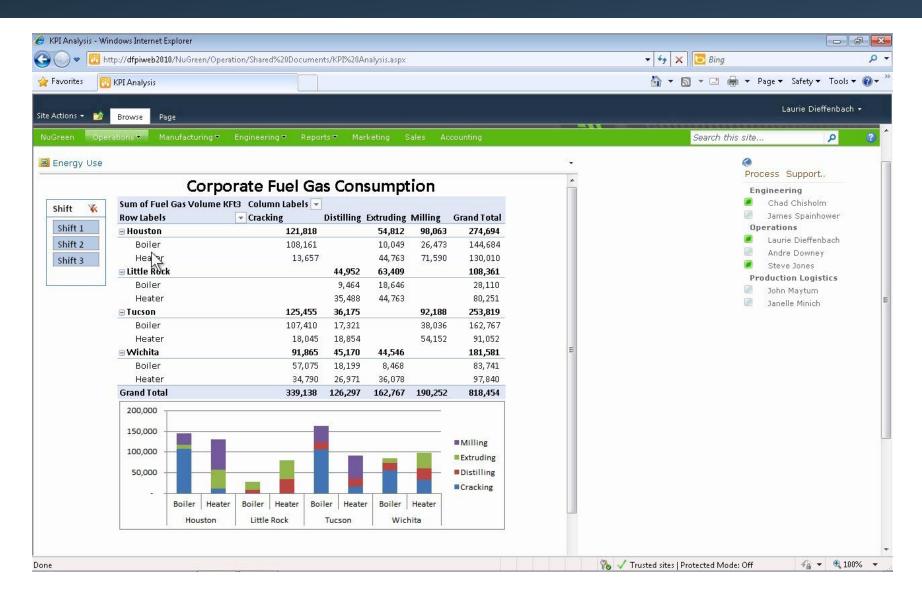






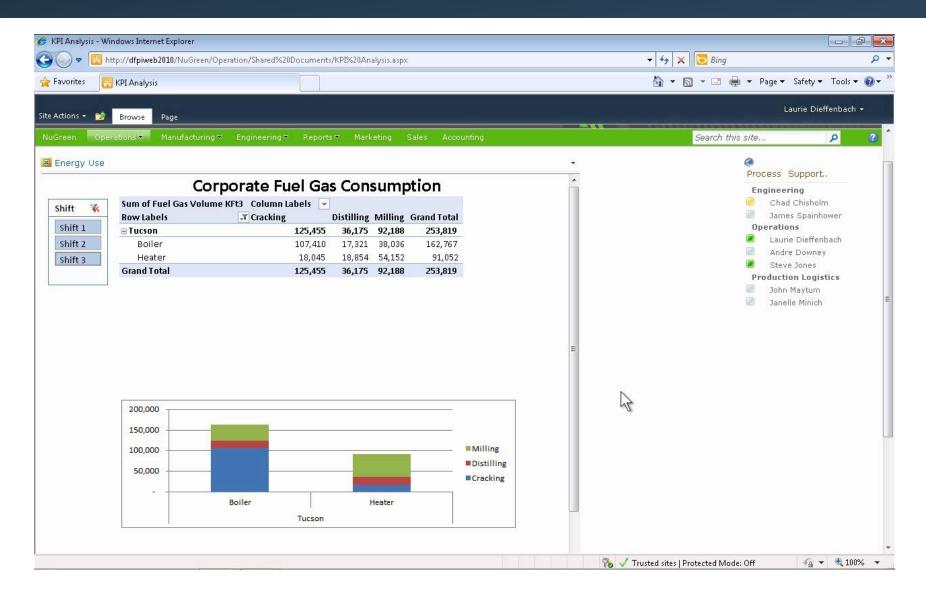
Using Reports in SharePoint





Built-in Collaboration

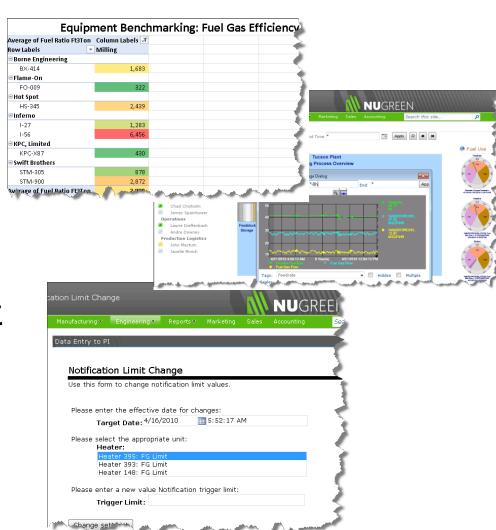




Knowledge Worker Roles

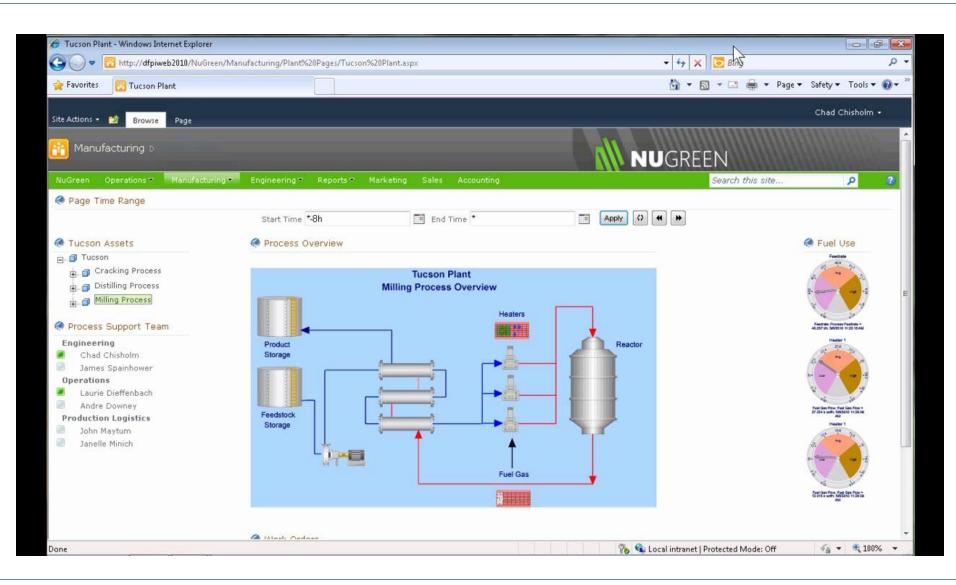


- Access to all needed tools
- Contribute material for use by others
- Act to resolve problems and prevent recurrence



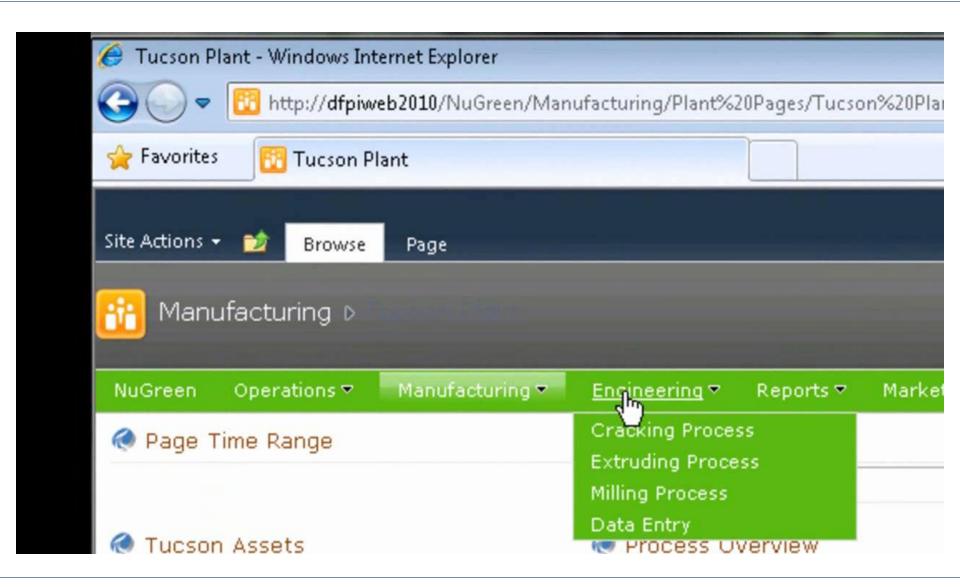
Appropriate Detail Available





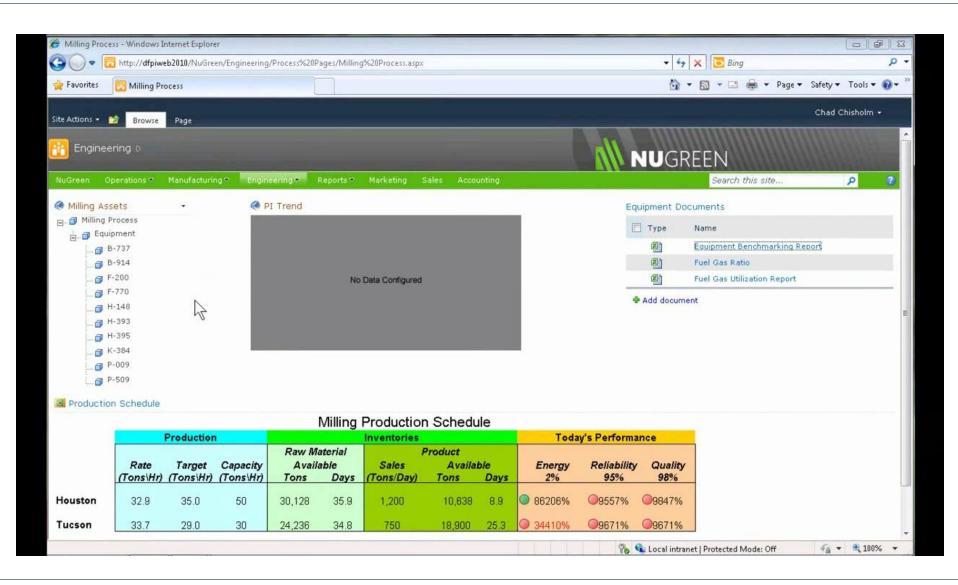
Navigate to Appropriate Information





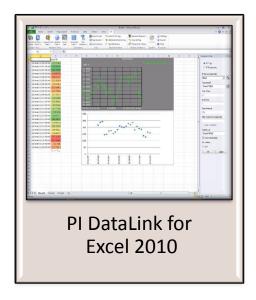
View Data as Needed

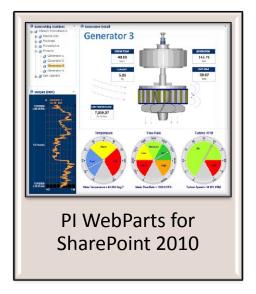


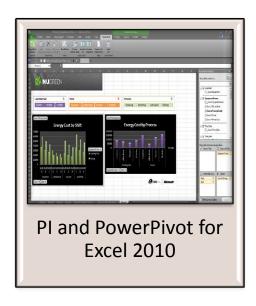


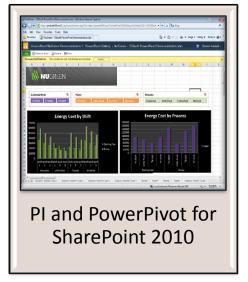
Visualization for PI System 2010

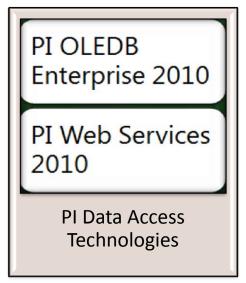


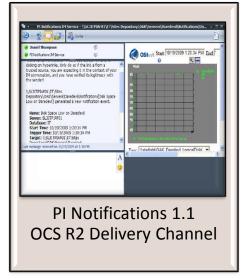






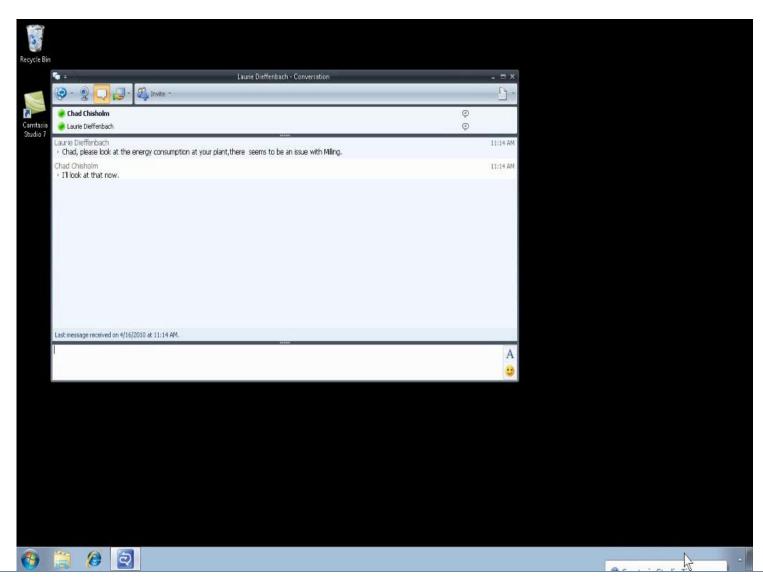






Respond to Events





Take Action



Notification Limit Change

Use this form to change notification limit values.

Please enter the effective date for changes:

Target Date: 5/6/2010 11:33:08 AM

Please select the appropriate unit:

Heater:

Heater 395: FG Limit Heater 393: FG Limit Heater 148: FG Limit

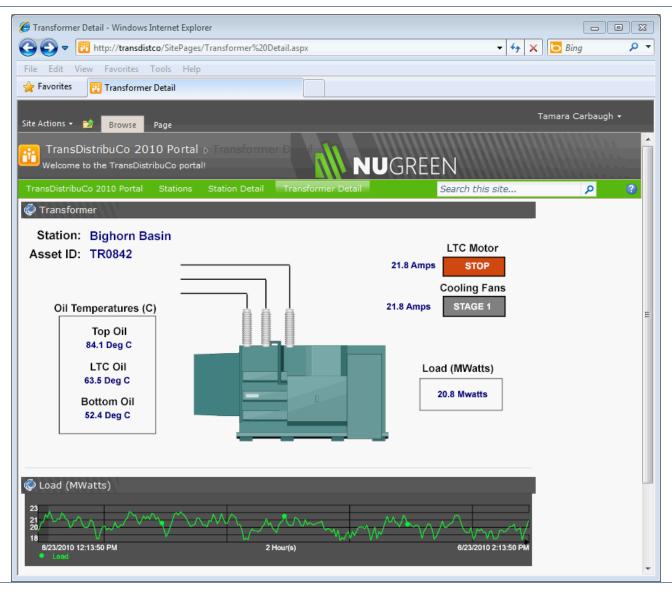
Please enter a new value Notification trigger limit:

Trigger Limit:

Change setpoint

Get to relevent content





PI WebParts 2010





Legacy maintenance software

- Functional
- Maintenace staff is trained on it
- Company has made a large investment in it and has created a web front end for it

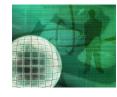




Excel Reports



• Reports that engineers and managers rely on



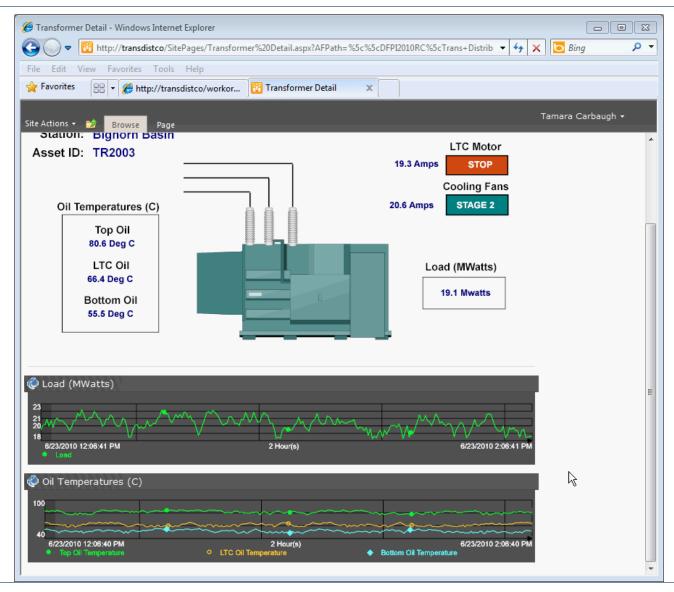
Manuals, Safety, Maps

- Key data that is stored online
 - Safety
 - Equipment manuals
 - Weather
 - Maps

Integrate PI with existing investments

Integrating Existing Apps with PI WebParts

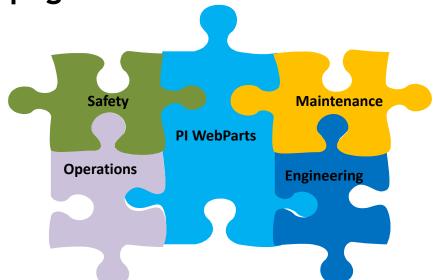




Value of PI WebParts 2010

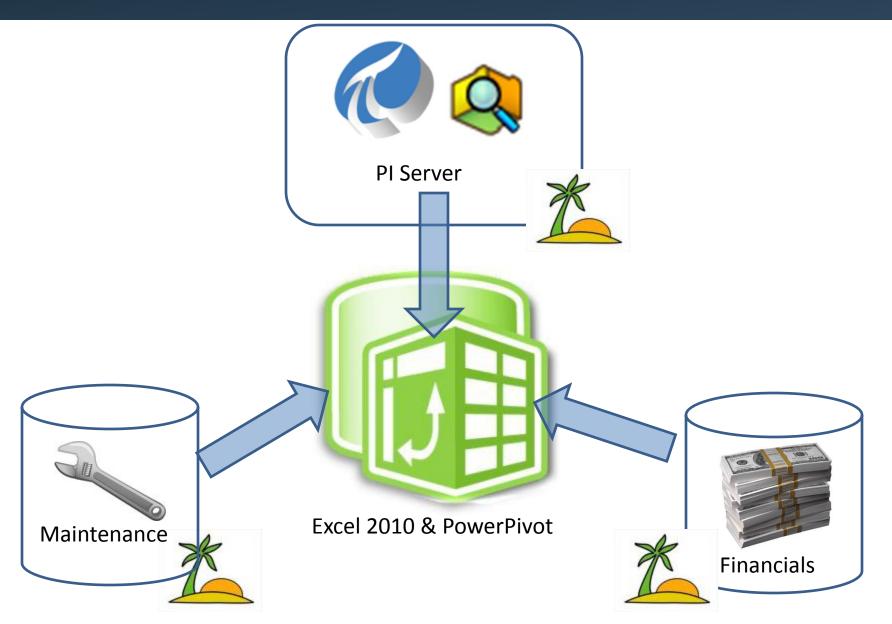


- Aligns with
 - PI for Office 2010 (2007 still supported)
 - PI Server 2010
- Easy configuration, no code programming
- Leverage existing applications
- Fewer pages to maintain



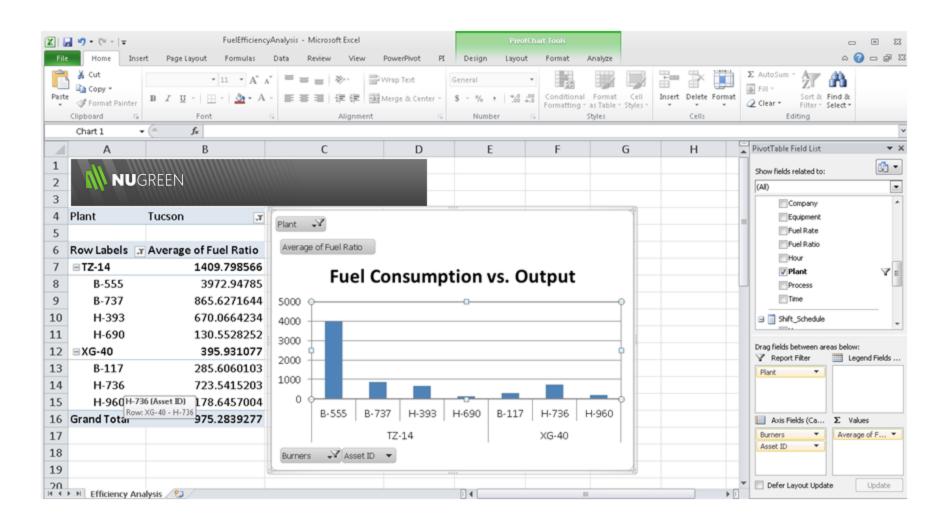
User-driven Reporting





PI DataLink + Excel 2010 + PowerPivot (oslsoft.





What's New in PI DataLink 2010



- Supports Microsoft Office 2010 (32-bit)
 (Office 2007 and Office 2003 as well)
- Internationalization and Localization

English, French, German, Spanish, Portuguese, Russian, Simplified Chinese, Japanese, Korean

What's New in PI DataLink Server 2010



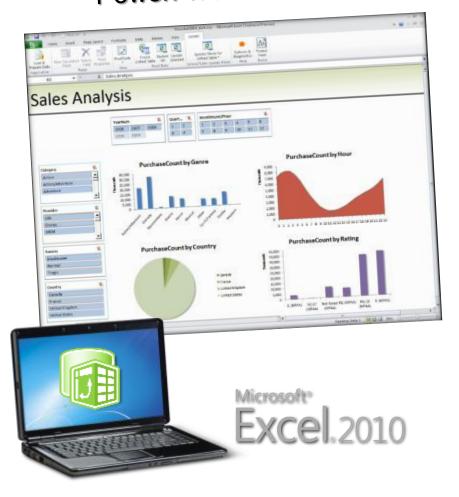
- Supports SharePoint 2010 (64-bit)
 (Microsoft Office SharePoint Server 2007 as well)
- Internationalization and Localization

English, French, German, Spanish, Portuguese, Russian, Simplified Chinese, Japanese, Korean

Managed Self Service BI



PowerPivot for Excel



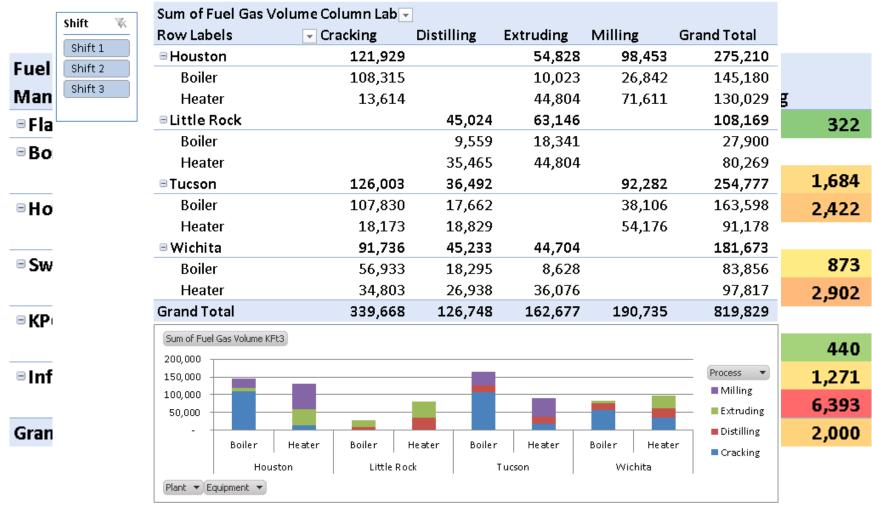
PowerPivot for SharePoint



BI for Manufacturing



30 Day Corporate Fuel Gas Consumption



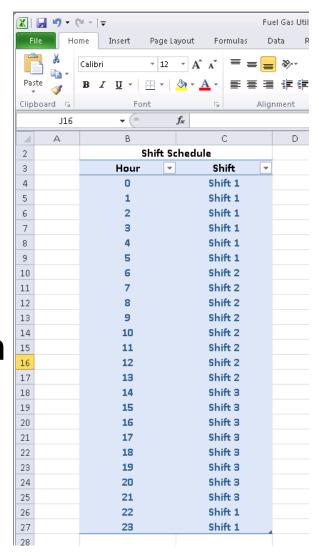
Slicing Data by Shifts



- Link in an Excel Table containing shift schedule
- Use DAX¹ to add an "Hour" column to the "Fuel Use" table;

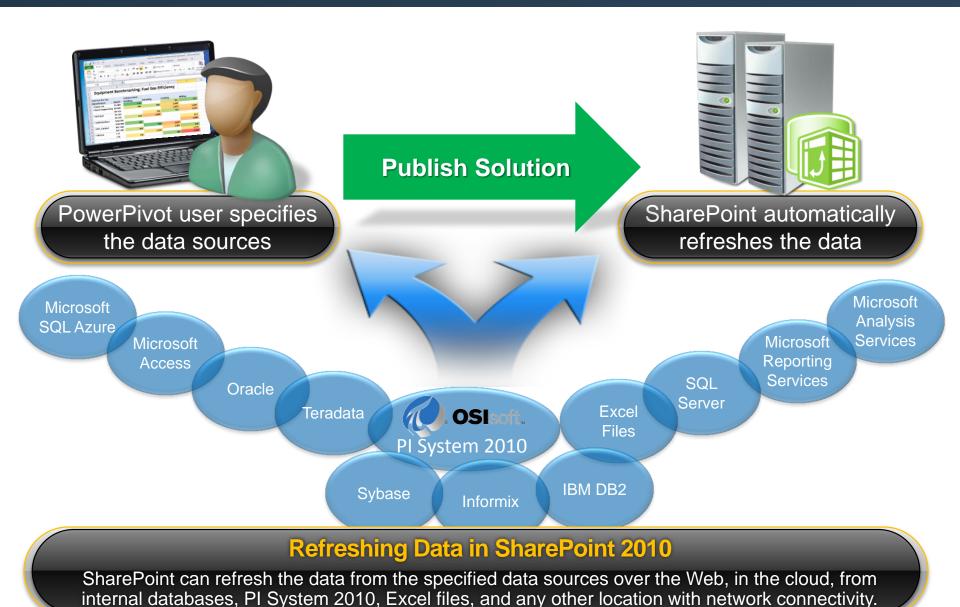
=HOUR([Time])

- Create a Relationship between the "Hour" columns in each table.
- 1. Data Analysis Expression Language



Keep Insights Up to Date





Self-service BI Toolkit for PI



- Dimensions and Facts
 - PI Asset Framework (PI Server 2010)
- Datasets for BI Data Extraction
 - PI OLEDB Enterprise 2010 (PI for Office 2010)
- Desktop Analysis and Cube Configuration
 - Microsoft PowerPivot for Excel 2010
- Enterprise Availability
 - Microsoft PowerPivot for SharePoint 2010
 - Microsoft SharePoint 2010
 - Microsoft SQL Server 2008 R2













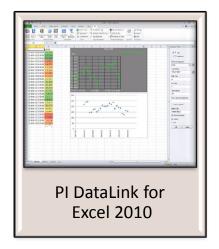


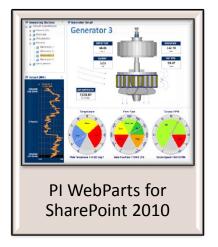


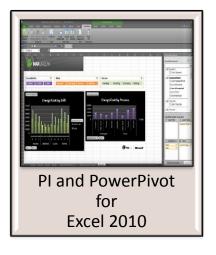
Visualization for PI System 2010

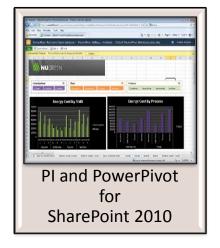


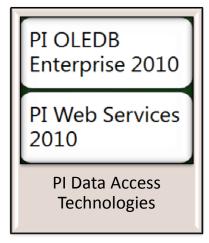
Everything you need to work with PI data in Microsoft Office (2010)

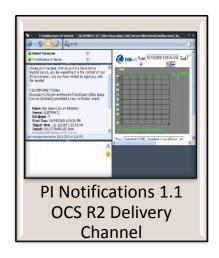














Thank you

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