

#### Regional Seminar Series

#### Pittsburgh, PA



Visualizing PI Data with Dashboards and Reports

October 28, 2010

Tom LeBay OSIsoft, LLC



# Experience







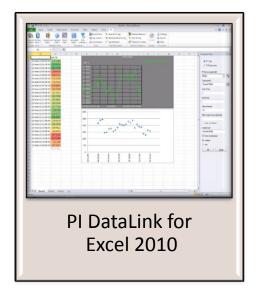


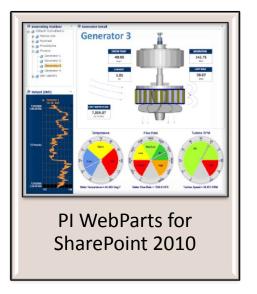


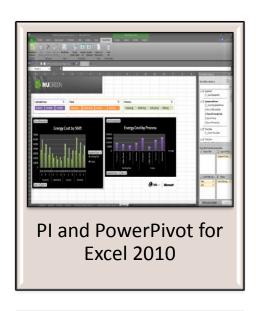


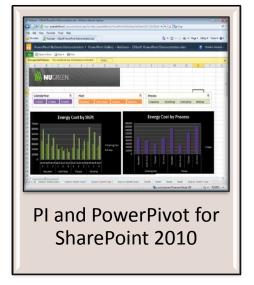


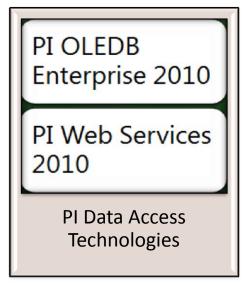


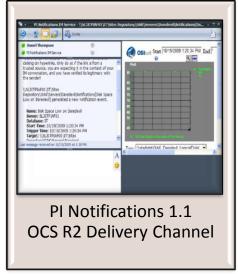






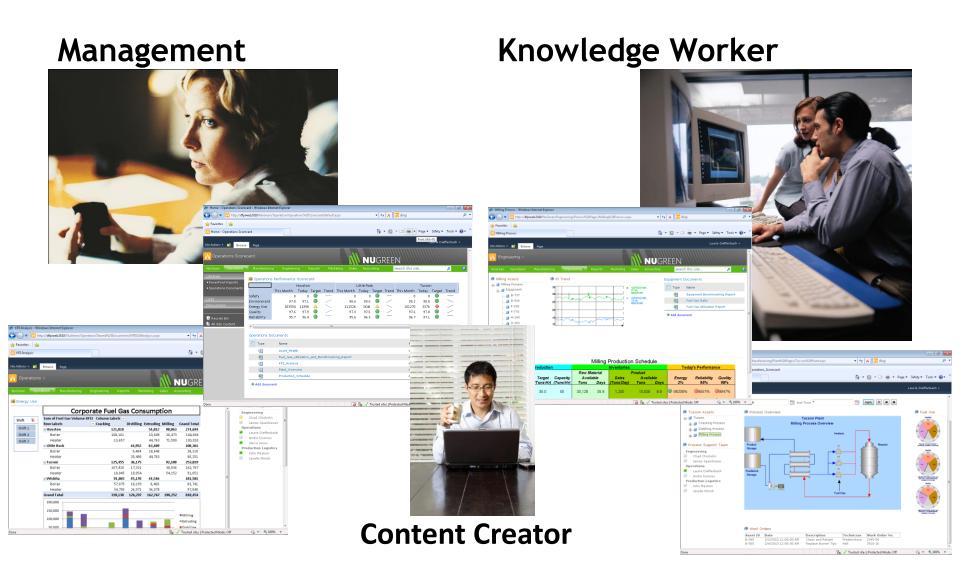






## Role-based Dashboarding



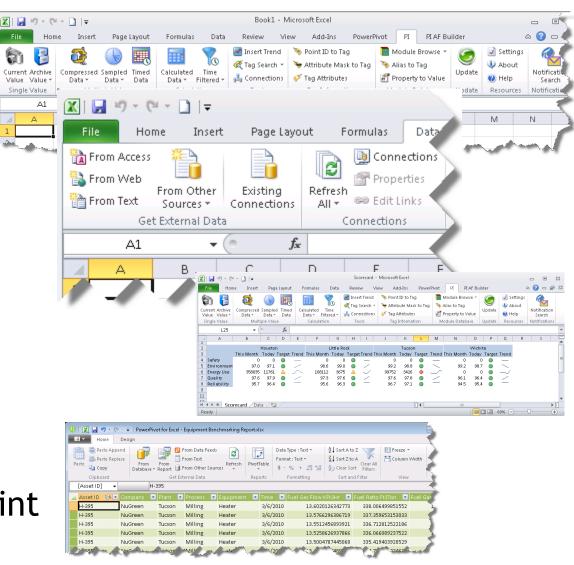


#### **Content Creator Roles**



 Use different data sources

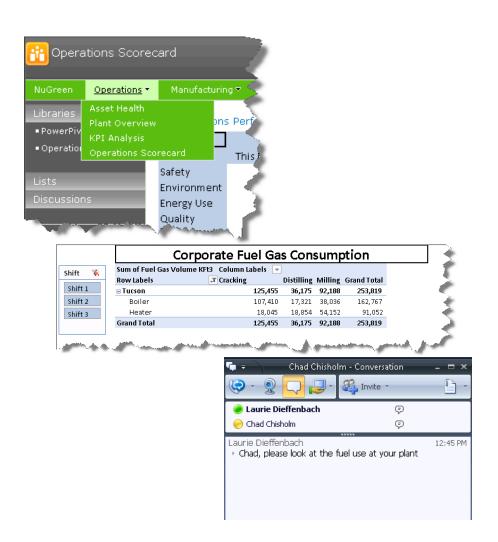
- Create scorecards
- Create multidimensional reports
- Publish to SharePoint



## Management Roles



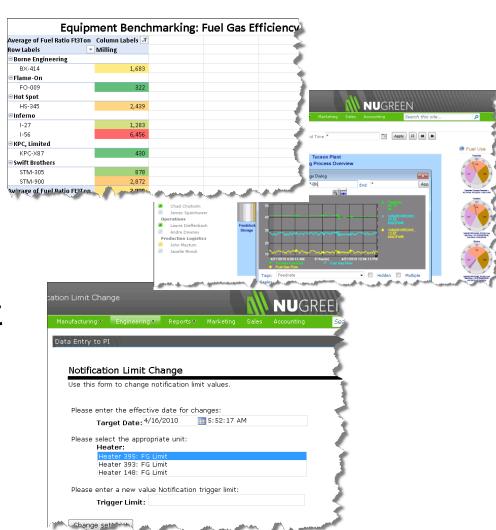
- Easy navigation to needed information
- Content is already built, but can interact with it to focus on an issue
- Easy access to assistance from experts



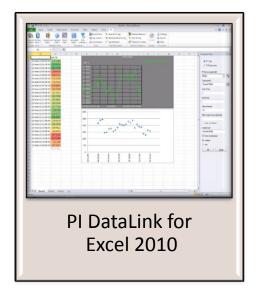
### Knowledge Worker Roles

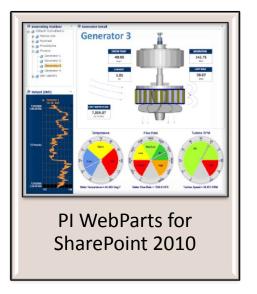


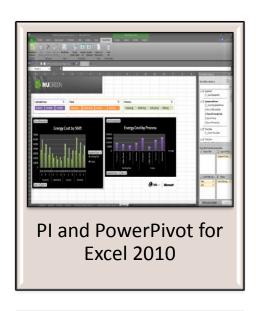
- Access to all needed tools
- Contribute material for use by others
- Act to resolve problems and prevent recurrence

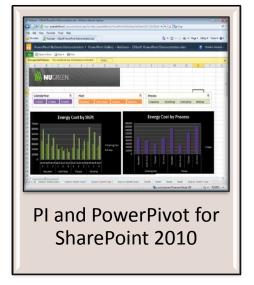


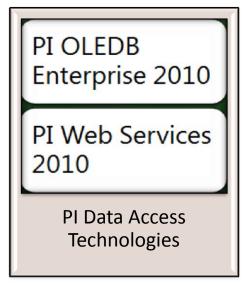


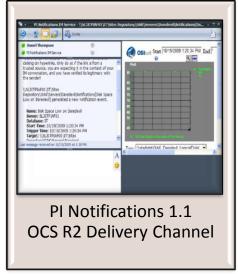


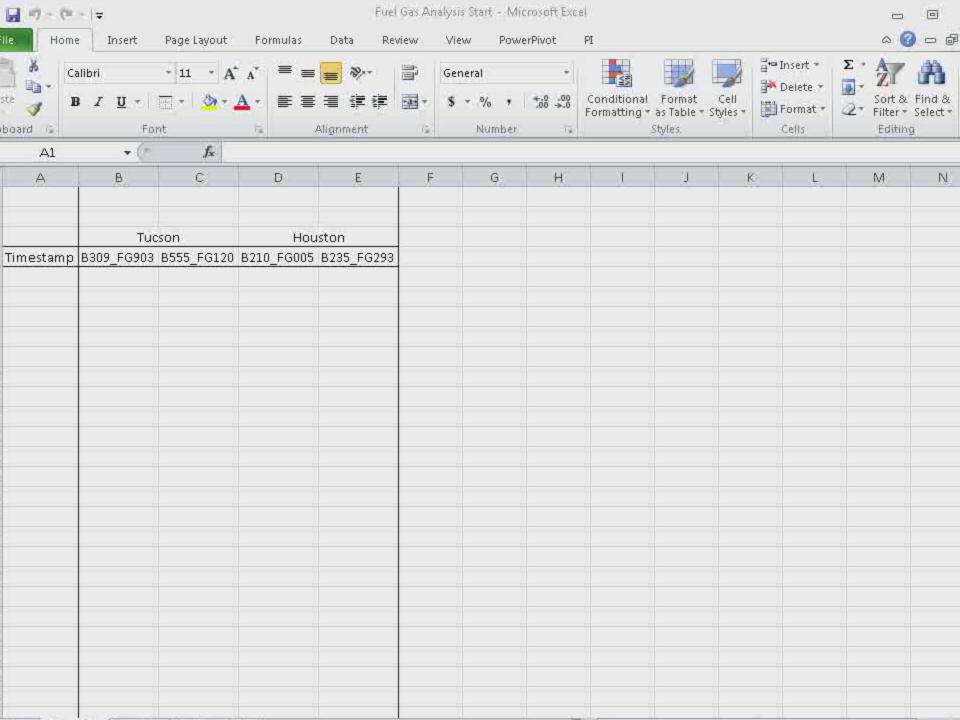


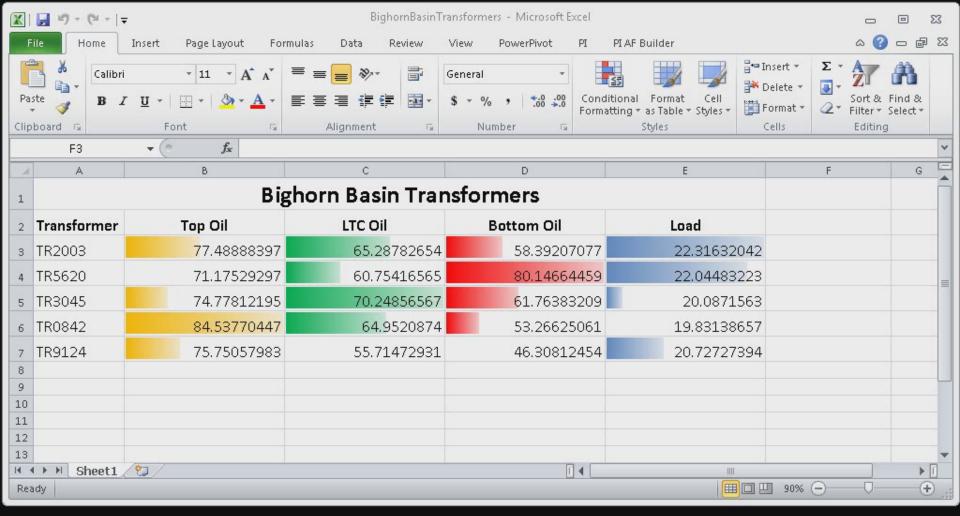












## What's New in PI DataLink 2010



- 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

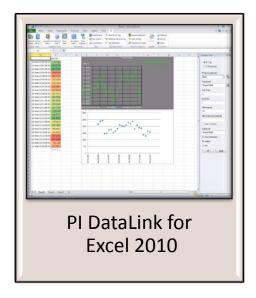
## What's New in PI DataLink Server 2010

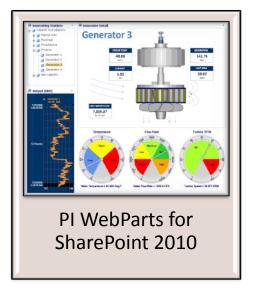


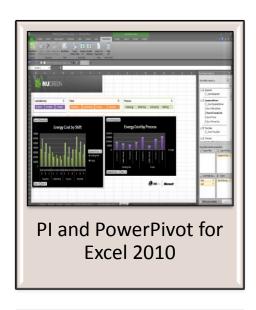
- Supports SharePoint 2010 (64-bit)
  (Microsoft Office SharePoint Server 2007 as well)
- Internationalization and Localization

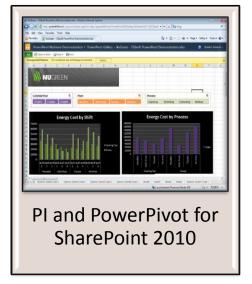
English, French, German, Spanish, Portuguese, Russian, Simplified Chinese, Japanese, Korean

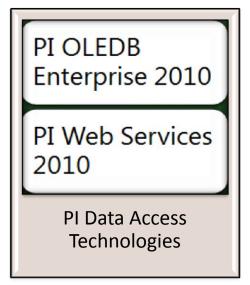


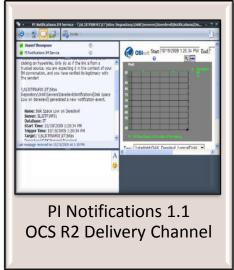






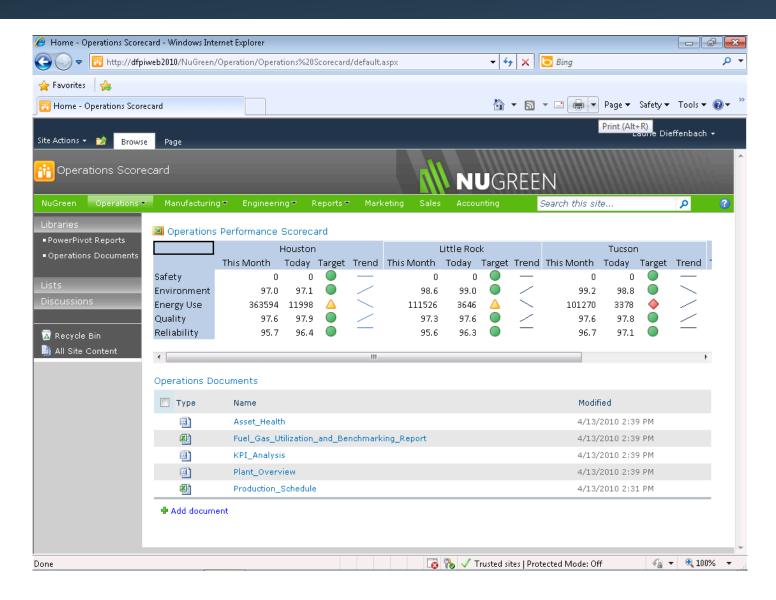


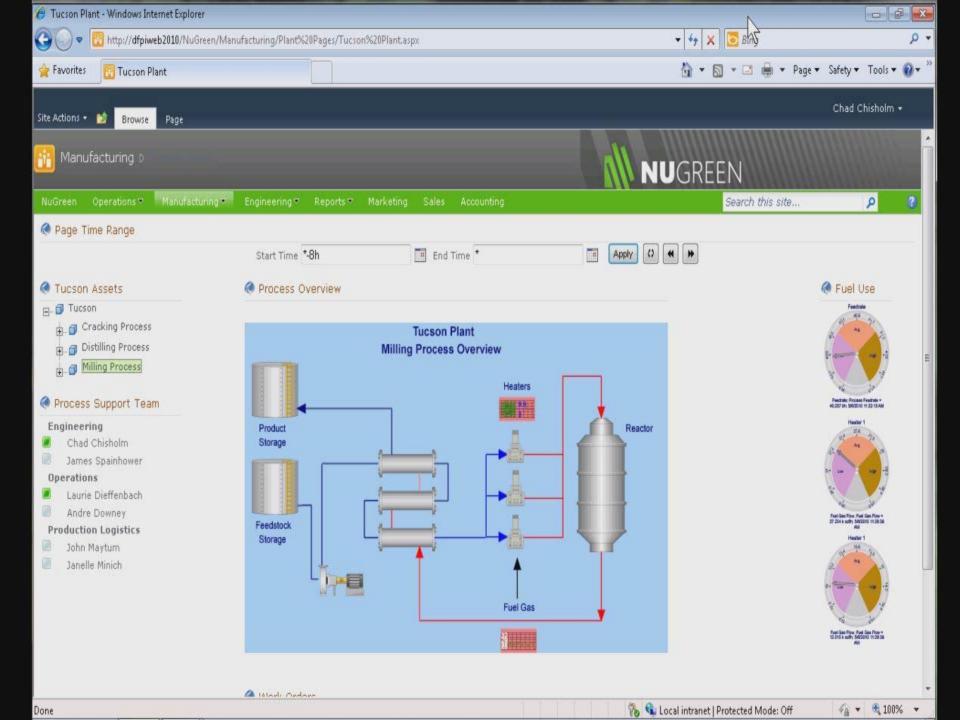


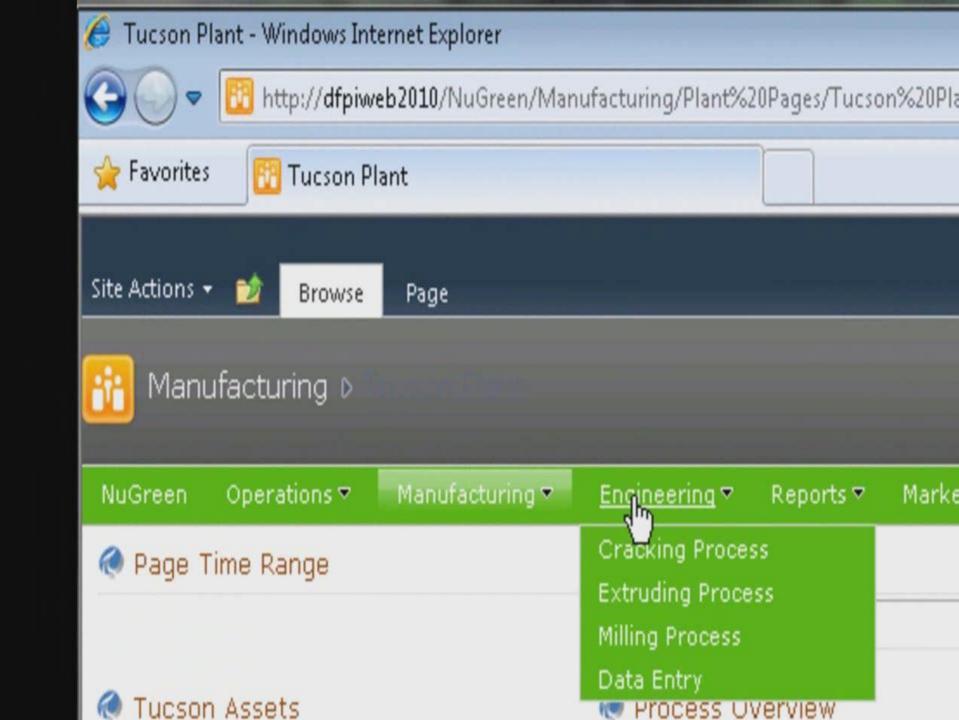


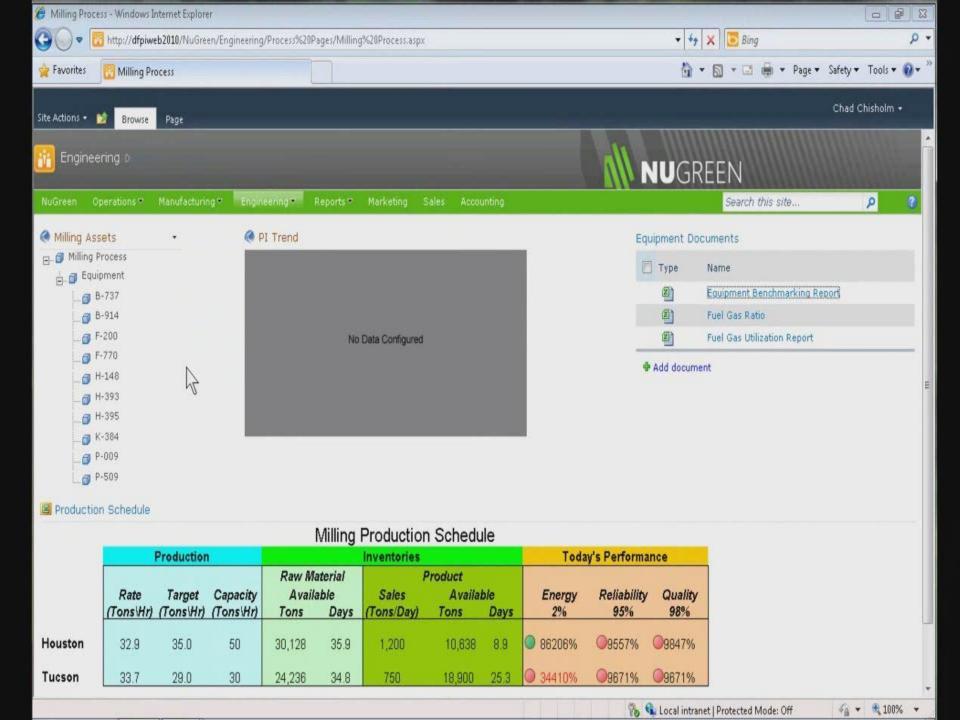
#### Scorecards and Dashboards in SharePoint

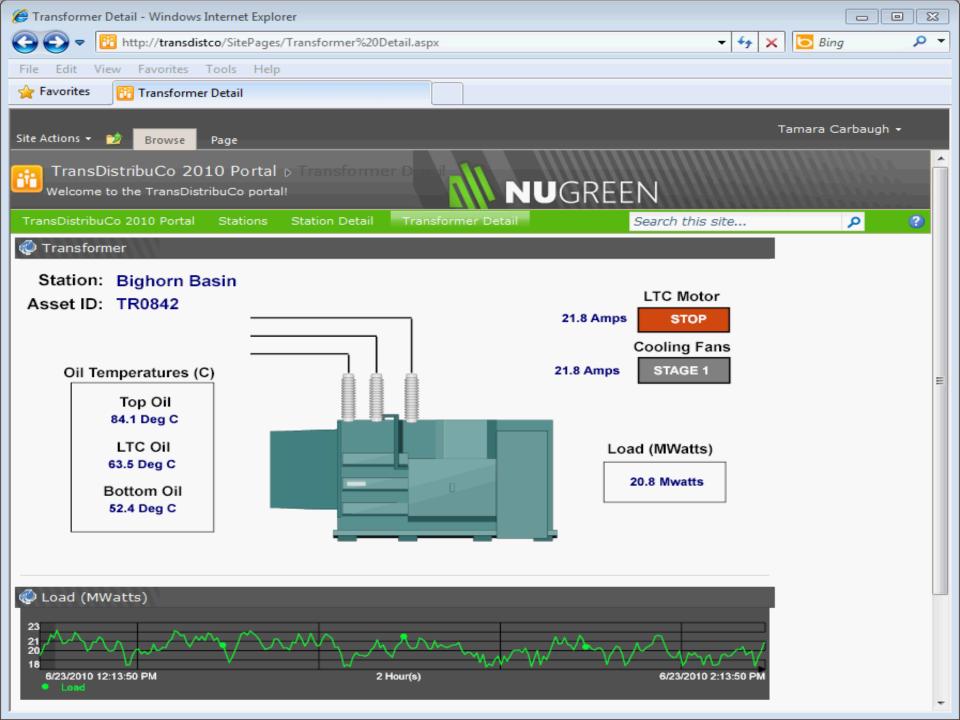








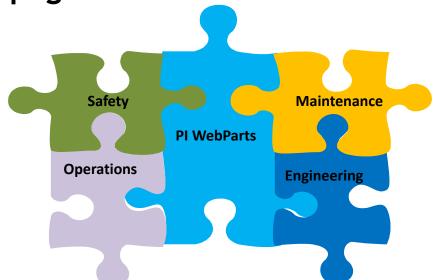




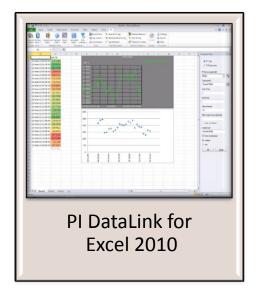
## Value of PI WebParts 2010

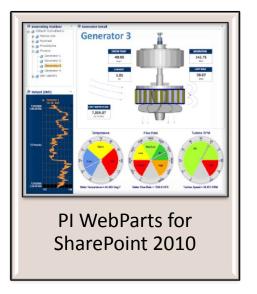


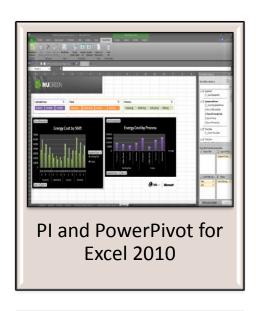
- Aligns with
  - PI for Office 2010 (2007 still supported)
  - PI Server 2010
- Easy configuration, no code programming
- Leverage existing applications
- Fewer pages to maintain

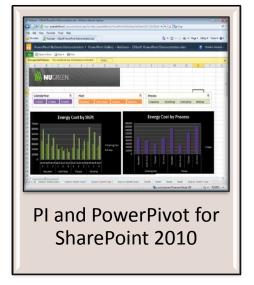


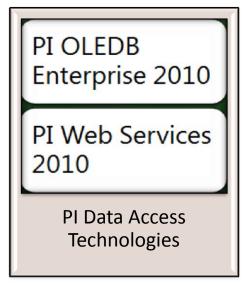


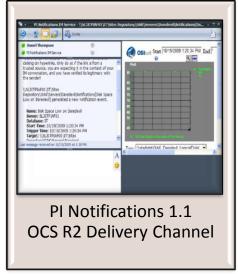












#### Democratized Business Intelligence



#### Microsoft BI Vision and Strategy

Improving organizations by providing business insights to **all** employees leading to better, faster, and more relevant decisions

Delivered through a familiar environment

Integrated into business productivity infrastructure

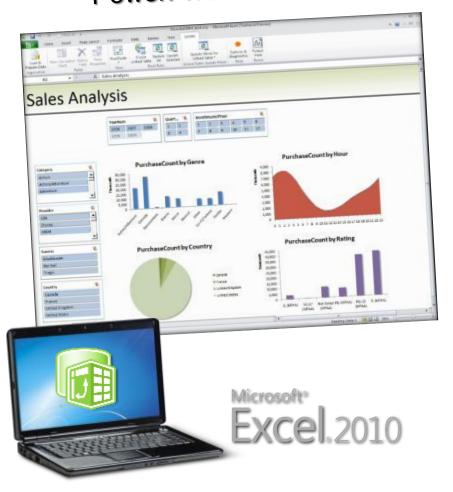
Built on a trusted and extensible platform



## Self Service BI



### PowerPivot for Excel



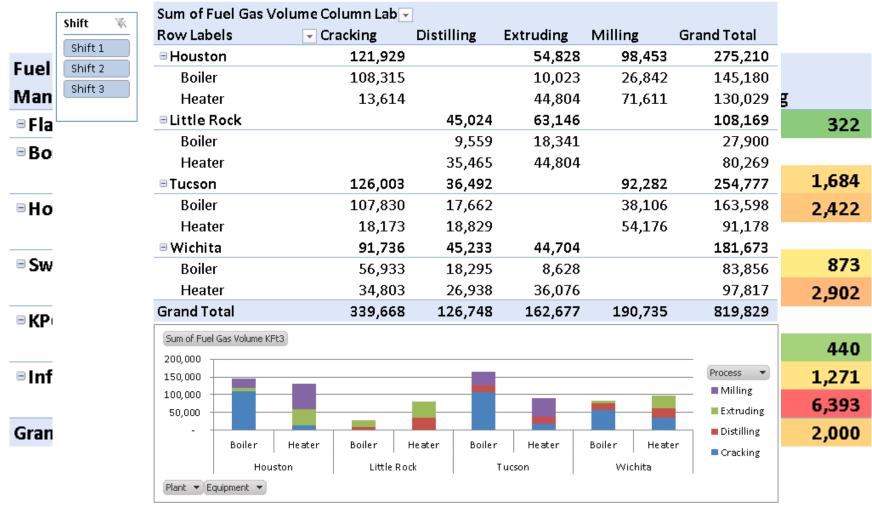
# PowerPivot for SharePoint



# BI for Manufacturing



#### 30 Day Corporate Fuel Gas Consumption



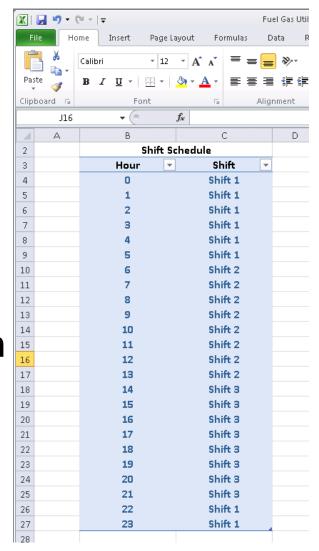
# Slicing Data by Shifts

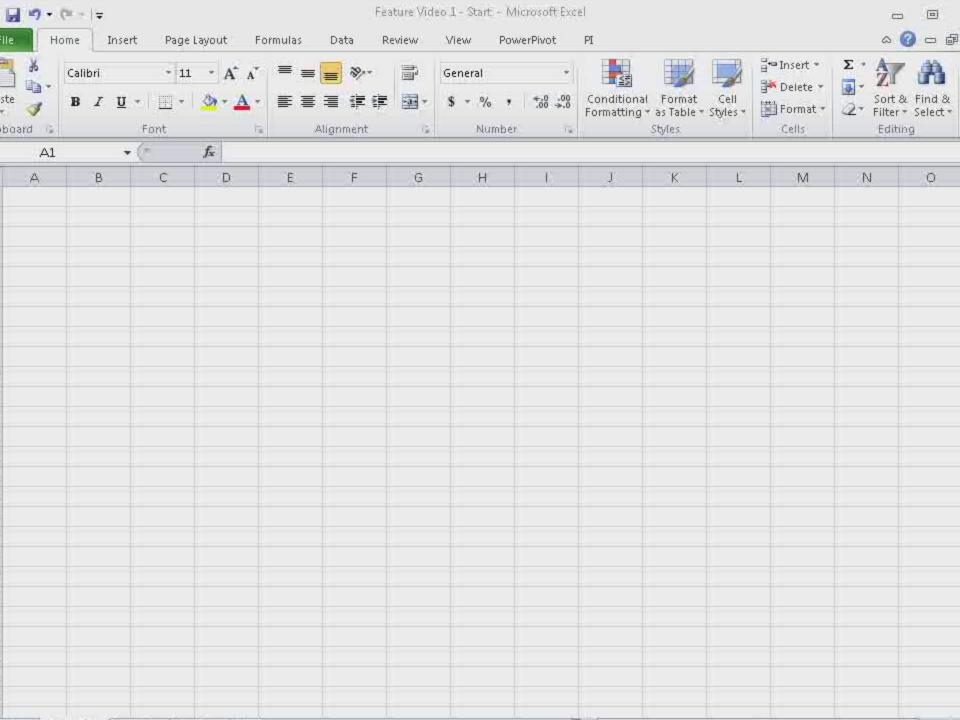


- Link in an Excel Table containing shift schedule
- Use DAX<sup>1</sup> to add an "Hour" column to the "Fuel Use" table;

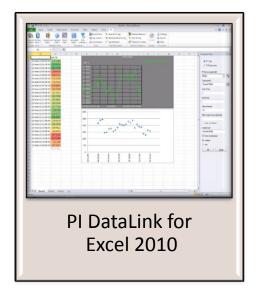
## =HOUR([Time])

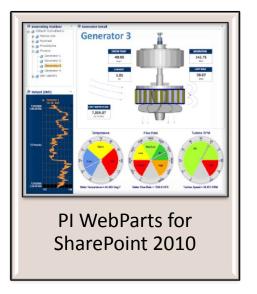
- Create a Relationship between the "Hour" columns in each table.
- 1. Data Analysis Expression Language

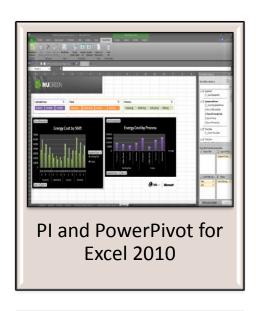


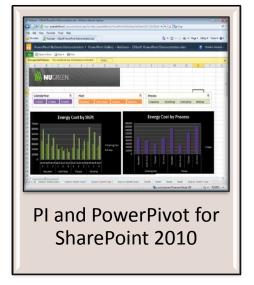


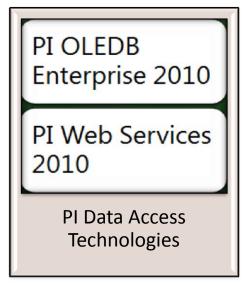


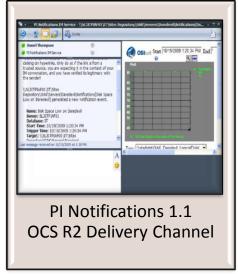






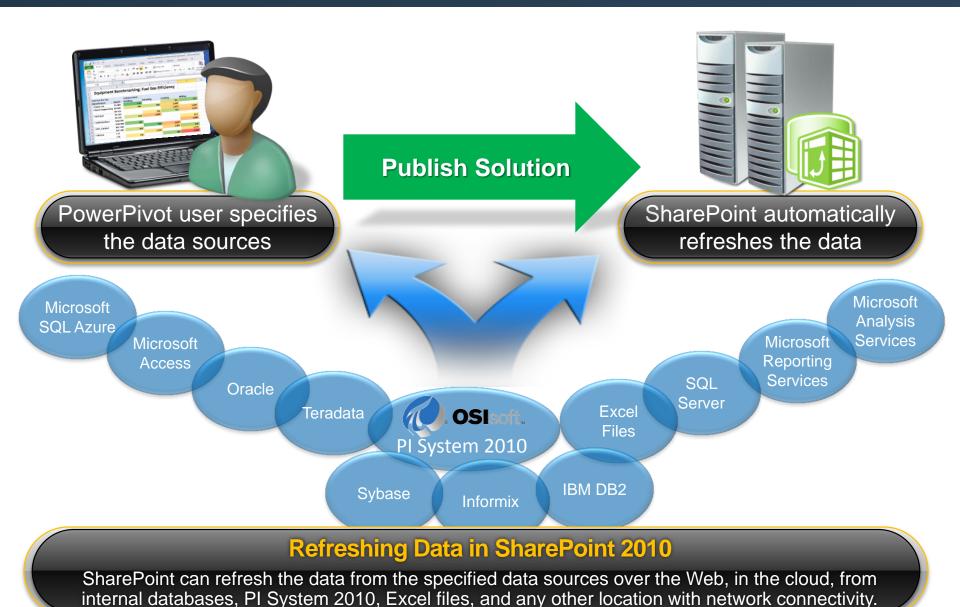




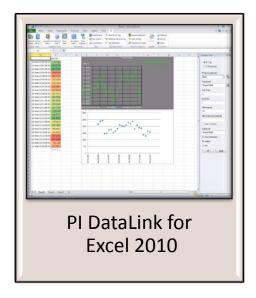


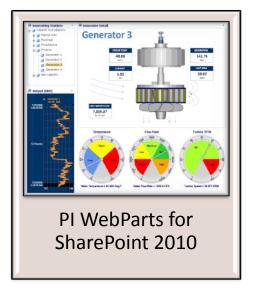
## Keeping Insights Up to Date

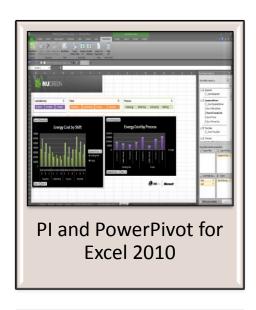


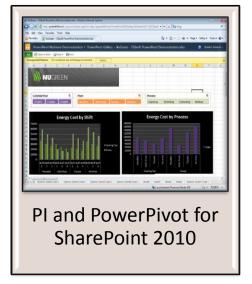


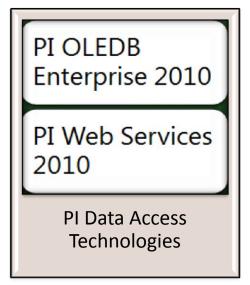


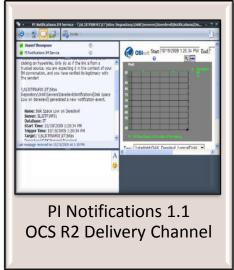


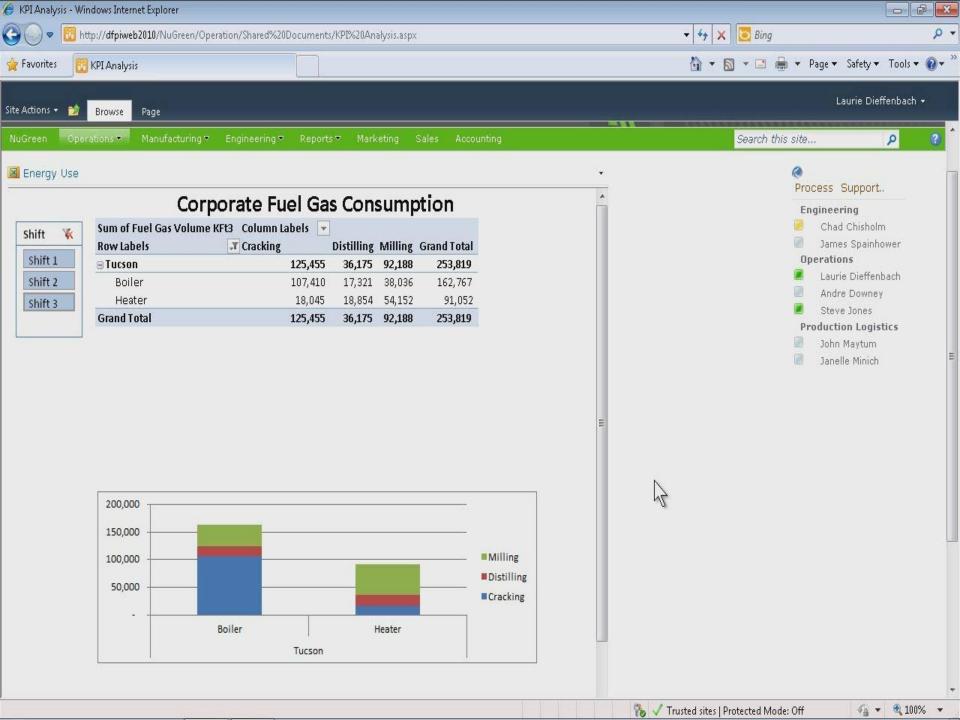
















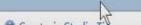














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# Thank you

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