

Webinar Series



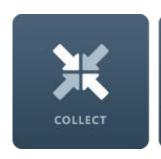
What's New in PI System 2010

Jon Peterson, VP Marketing, OSIsoft
John Baier, Director Product Management, OSIsoft



Experience

PI SYSTEM 2010













New in PI System 2010





PI Clients

- PI WebParts 2010
- PI DataLink 2010
- PI for Office 2010







PI Data Access

- PI OLEDB Enterprise 2010
- PI Web Services 2010
- PI JDBC 2010

Business Collaboration Platform





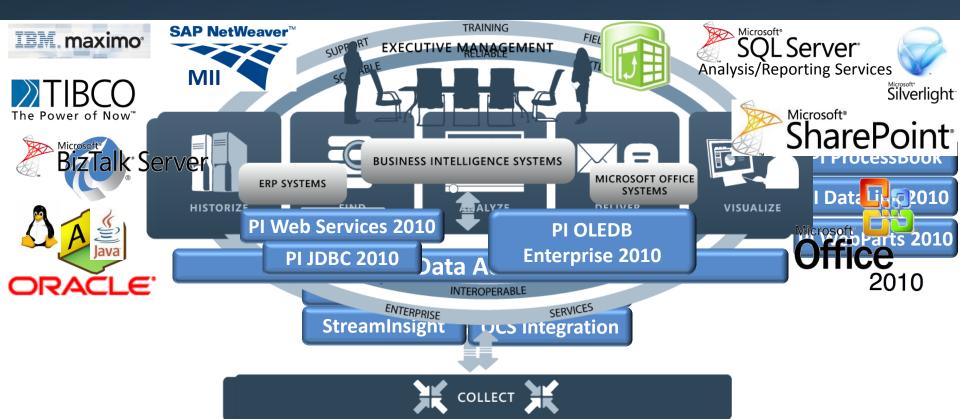
PI Server

- PI Server 2010
- Assets and Tags

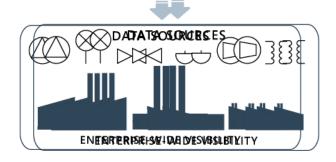
Data Infrastructure and BI Platform







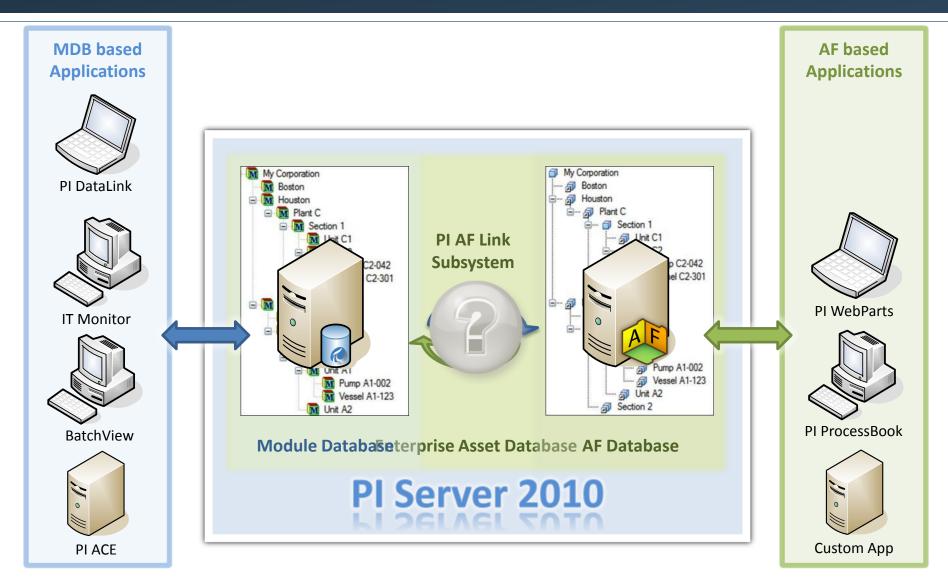
All Released PI Client and Server Products





Mixed Applications





PI Server 2010: tags + assets









Scalability

Templates, Models, etc.

Millions of assets

Usability

Unified Data Access

Search

Flexible security

Reliability

HA Solutions

Windows Security

Preserve Your Investment: Displays, Calcs, Apps

ACE 2010 Enhancements Overview



Multiple Schedulers





- Performance Improvements
 - Components re-written in .NET



Visual Studio 2010 support

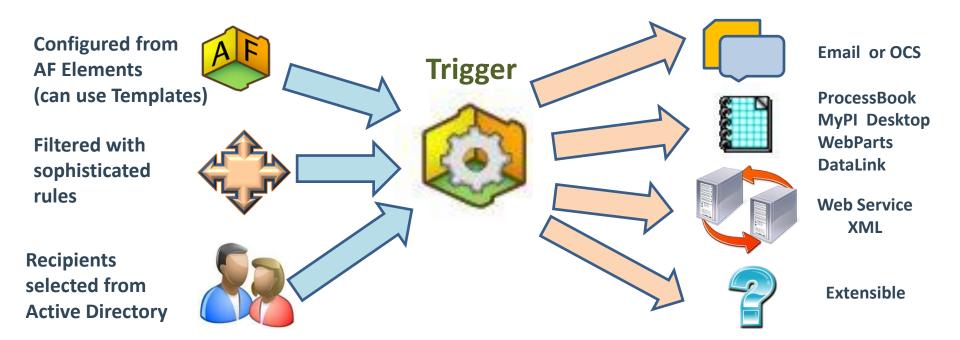


Native 64-bit operating system support



PI Notifications





Features

- Templates
- Custom Content
- Acknowledgement and Escalation

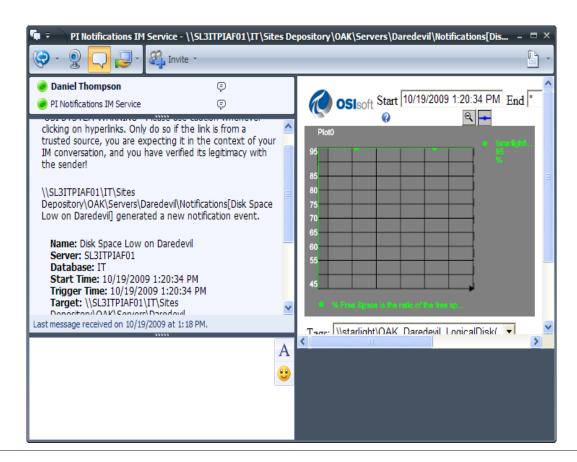
Delivery Channels

- User can create their own
- OSIsoft vCampus XML & Skype

Office Communication Server 2007 R2

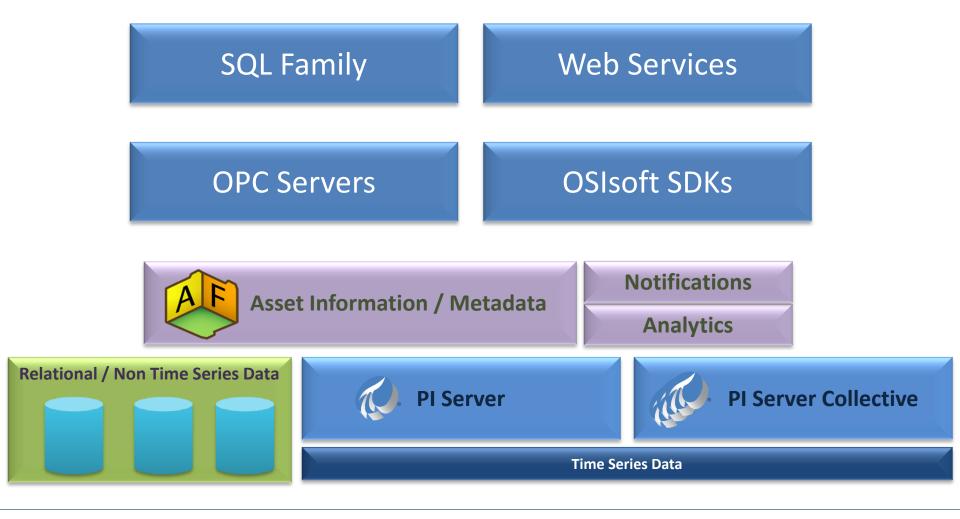


- Native Delivery Channel
- Supports presence and Instant Messaging (IM)
- Applications for phones
 - Windows Mobile
 - BlackBerry®
 - · iPhone



PI Data Access: The Products





PI Data Access: The 2010 Wave





























PI JDBC 2010

PI Web Services 2010

PI OLEDB Enterprise 2010 PI OPC DA/HDA Server 2010

OSIsoft SDKs



Asset Information / Metadata

Notifications

Analytics





PI Server



PI Server Collective

Time Series Data

SQL Family



- Expose the PI Server as a relational database
- Integrate with SQL-friendly tools

















SQL Family - What's New



PI OLEDB 64-bit

- PI JDBC 2010
 - Bring data to the Java world



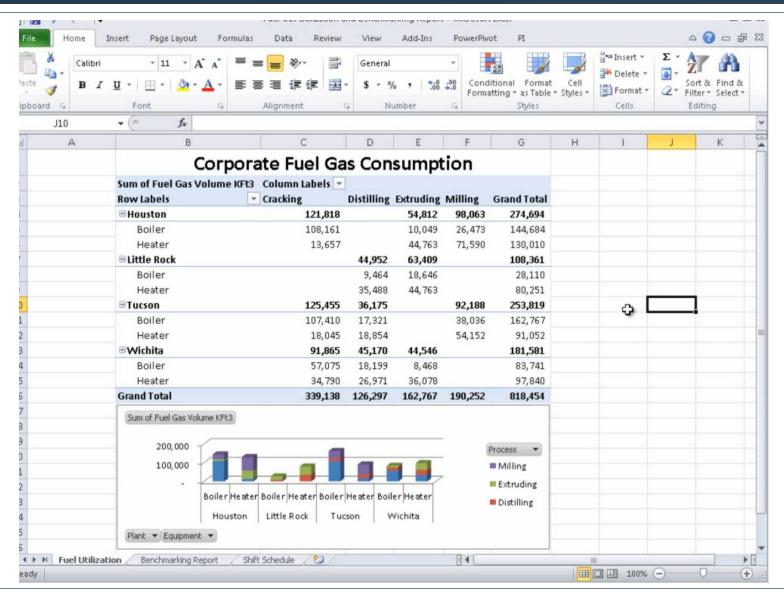
- Brand new product
- Access to AF via SQL
- Supports custom applications and many integration scenarios
 - PI WebParts
 - PowerPivot in Excel
 - SQL Server (Reporting/Analysis Services)





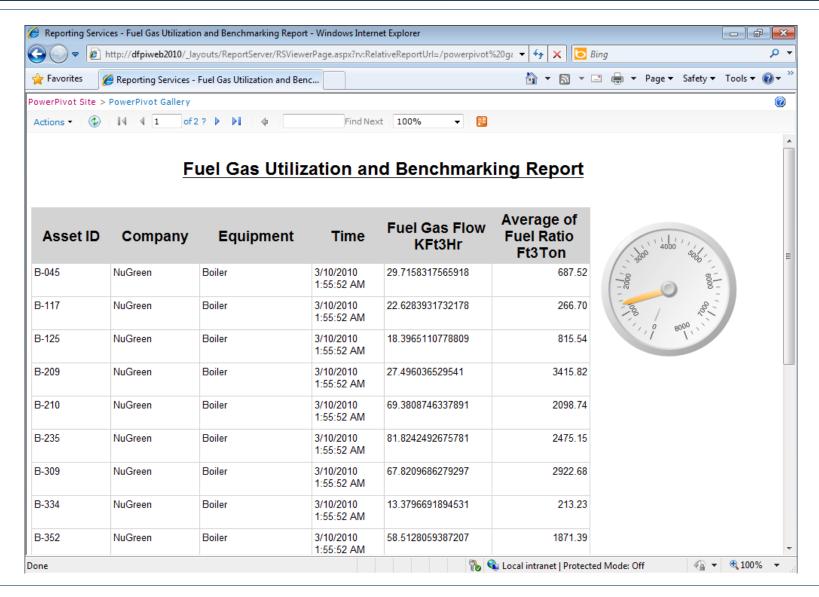
PI OLEDB Enterprise in Microsoft PowerPivot





PI OLEDB Enterprise in SQL Server Reporting Services





OPC Servers



Talk to PI via well-known, popular standards

- Integrate with 100's of existing OPC Clients
 - Process optimization engines
 - Process analysis, calculations
 - Visualization/reporting

- PI OPC DA/HDA Server 2010
 - Certified for Compliance



PI Web Services 2010



Brand new product

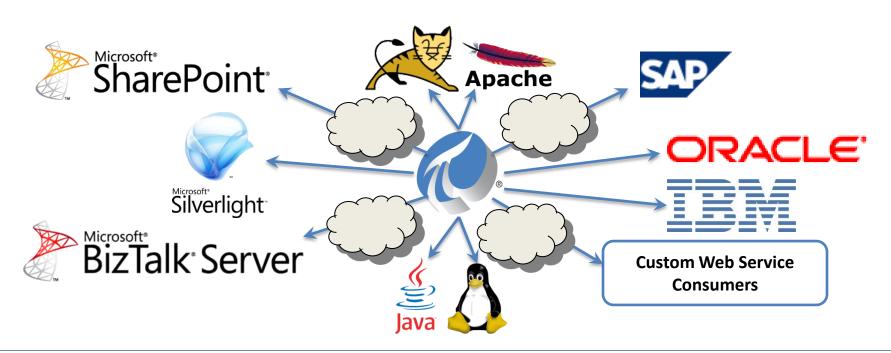
- Provides access to PI and AF data through standard web service technologies
 - Many code-free integration scenarios
 - Custom applications

- Facilitates data access over secure and distributed environments
 - Nothing required on the client machine
 - Service-oriented architecture (SOA)

PI Web Services 2010 - Use Cases

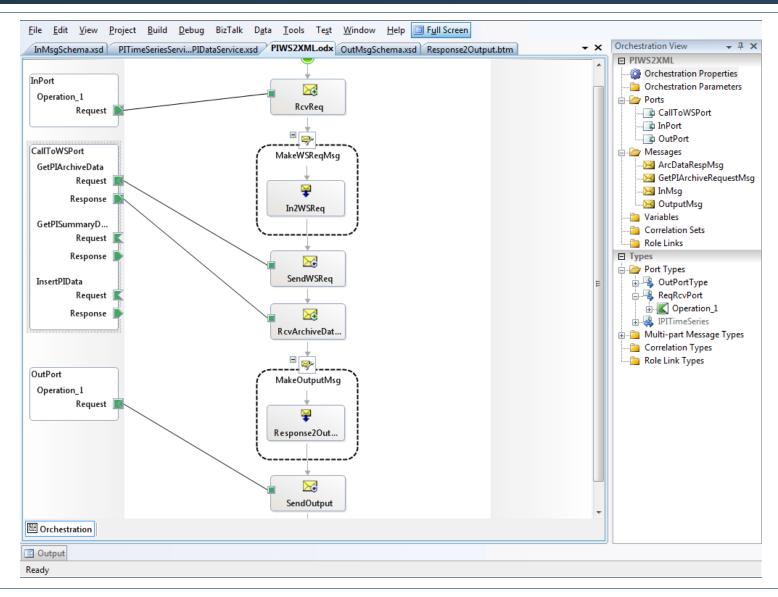


- Web-based visualization
- Integration with business systems
- Non-Windows environments



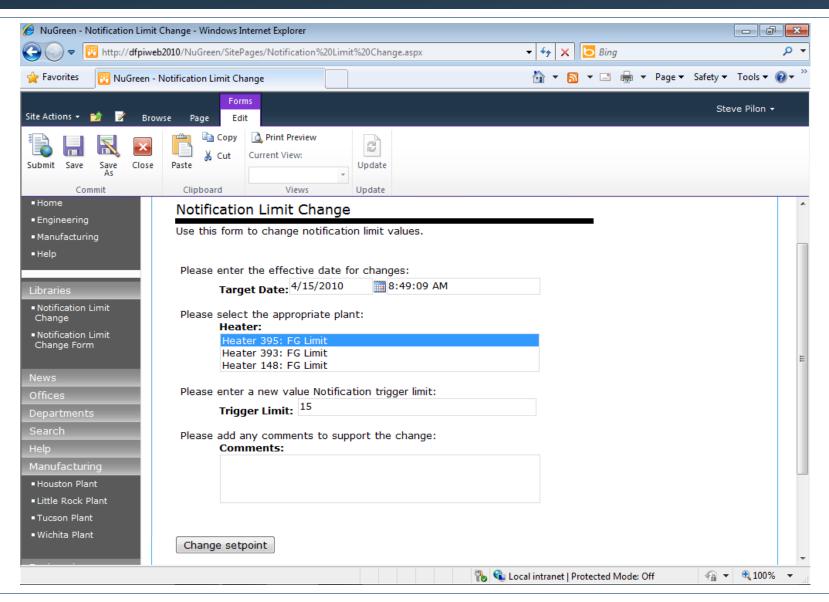
PI Web Services in Microsoft BizTalk® (orchestration)





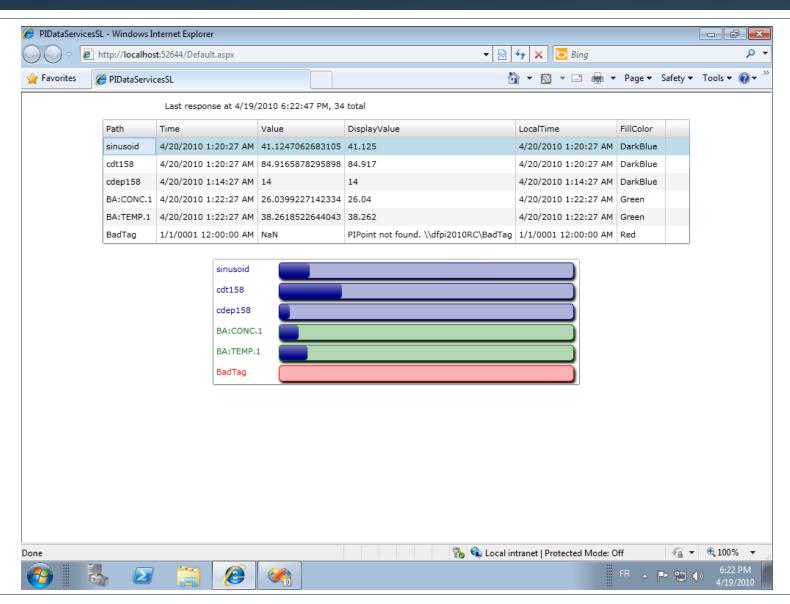
PI Web Services in Microsoft InfoPath®





PI Web Services in Microsoft Silverlight®

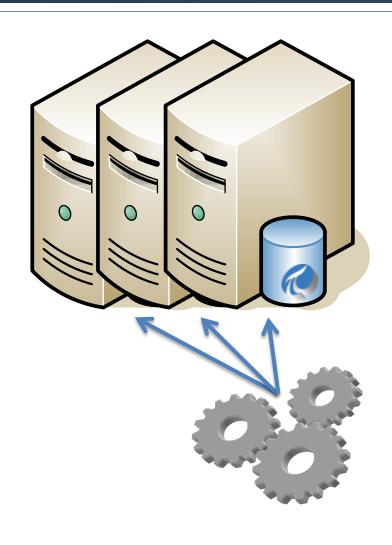




OSIsoft SDKs



- Object-oriented SDKs
 - · PI Server, AF Server, Notifications
- Custom applications
 - Visualization
 - Configuration
 - Calculations
 - Analyses
 - Reports
- Windows Integrated Security
 - PI SDK 1.3.6
- 64-bit
 - PI SDK 1.3.8
 - AF SDK 2.1



Developers







```
AFTimeRange tr = new AFTimeRange(new AFTime(tex AFValues vals = _afDB.Elements["Pump123"].Attri

lstValues.Items.Clear();
foreach(AFValue val in vals)
{

lstValues.Items.Add(val.Value.ToString() +
}
```



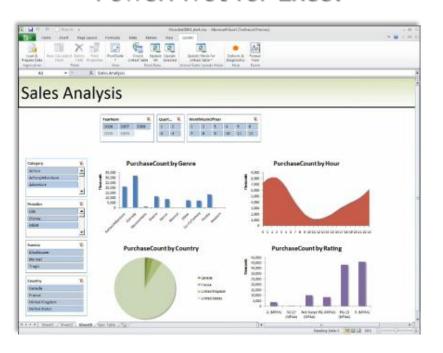




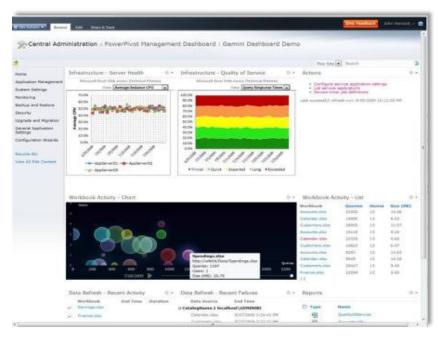
Managed Self Service BI



PowerPivot for Excel



PowerPivot for SharePoint







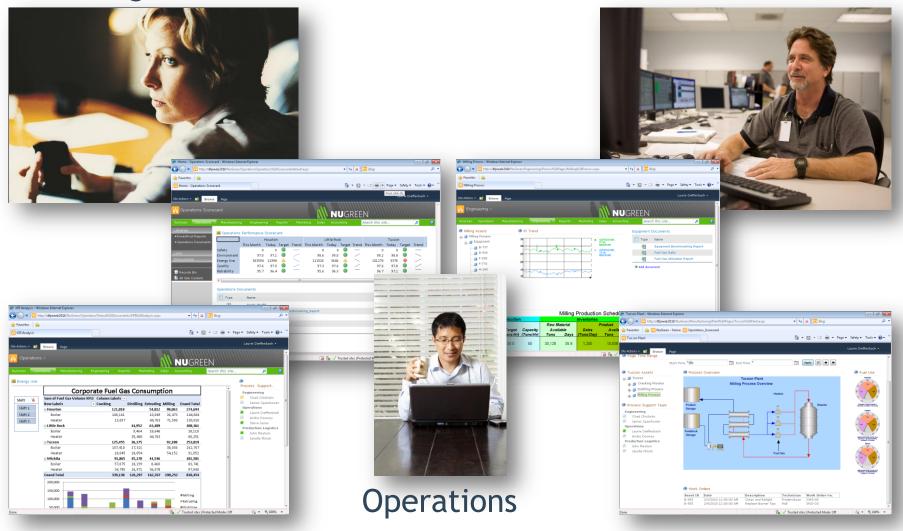


Role-based Dashboarding



Management

Information Worker

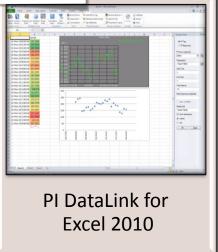


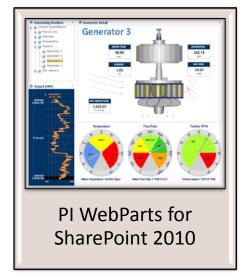


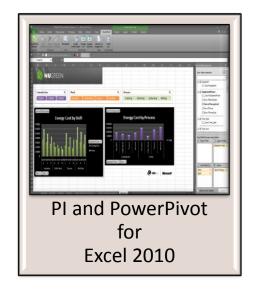
PI for Office 2010

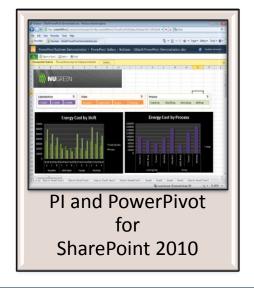


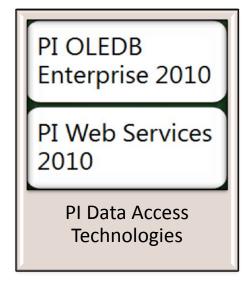


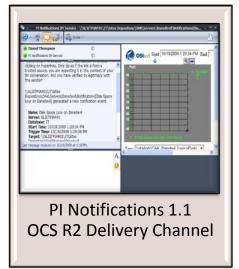












Content Creator Roles



0

■□□ 80% (-)-

96.4

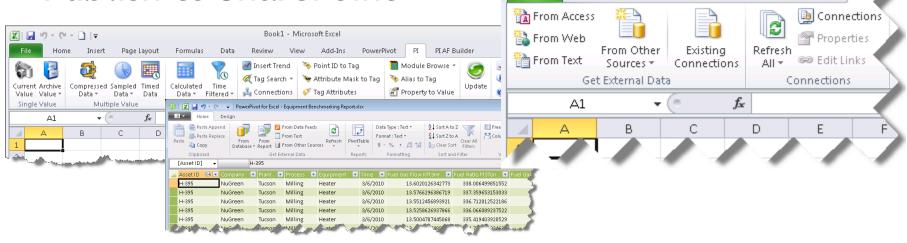
Formulas

۵ 🕜 🕳 🖾

Notification

- Use different data sources
- Create scorecards
- Create multidimensional reports





Current Archive

Single Value

Energy Use

Quality

Reliability

H + > N Scorecard Data 🐫

Page Layout Formulas Data

Calculated Time

108112

97.3

3675 A -/

963

99752 3426

97.8

Page Layout

Compressed Sampled Timed

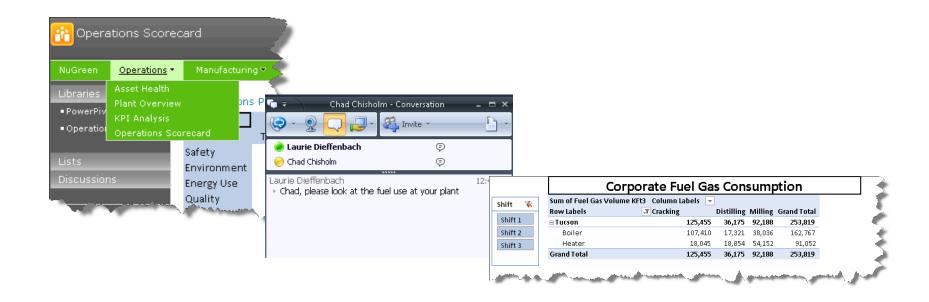
358035 11761

97.9

Management Roles



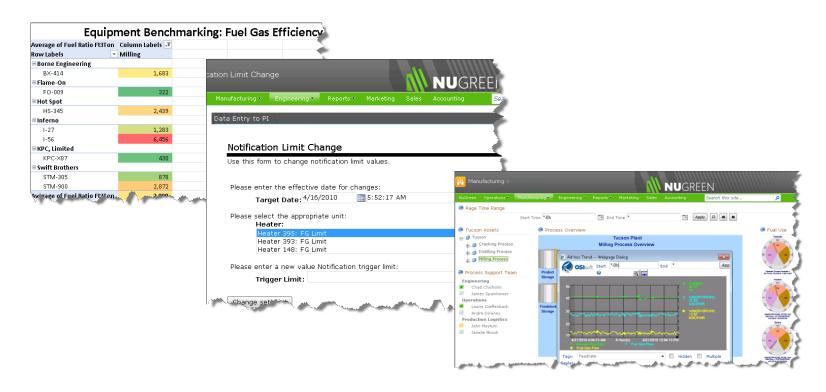
- Easy navigation to needed information
- Easy access to expert assistance
- Easy access to previously developed content



Knowledge Worker Roles

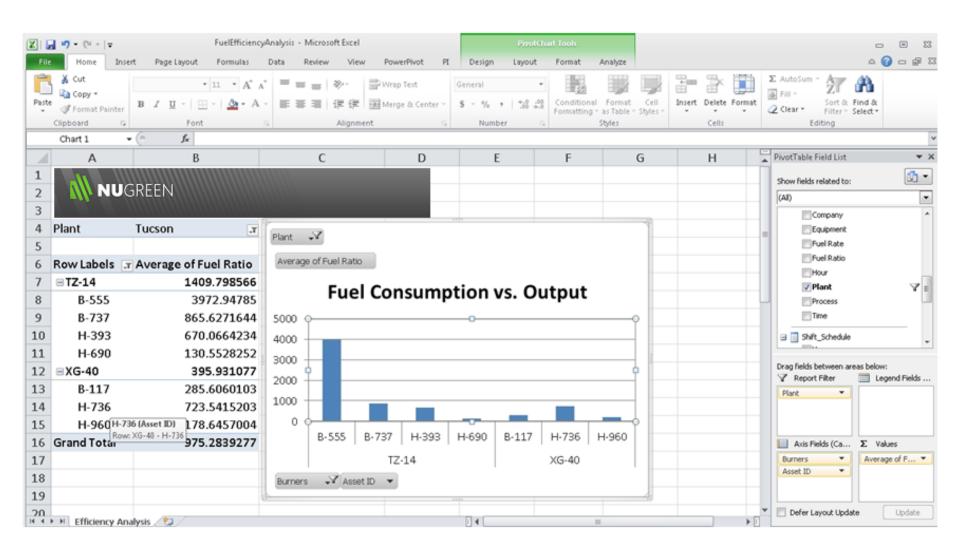


- Access to all needed tools
- Contribute material for use by others
- Resolve problems and prevent recurrence



PI DataLink + Excel 2010 + PowerPivot





What's New in Pl DataLink 2010



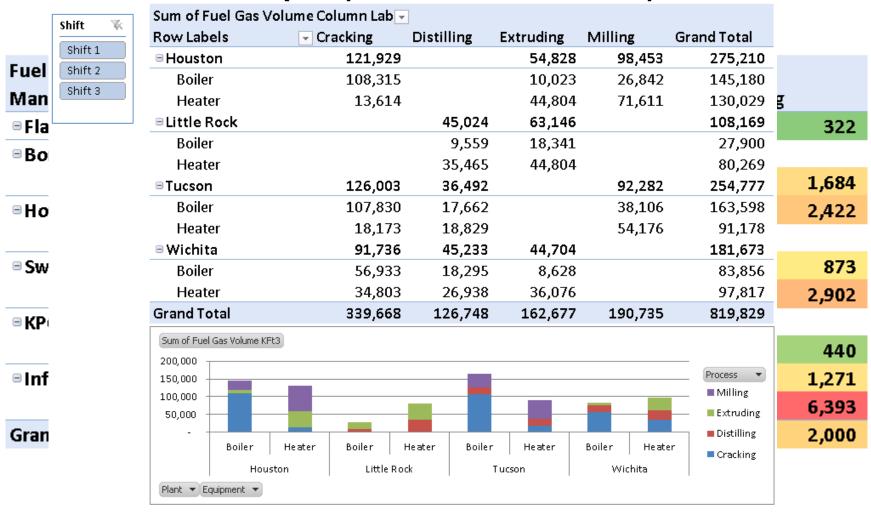
- PI DataLink 2010:
 - Supports Microsoft Office 2010 (32-bit)
 - · Office 2007 and Office 2003 as well
- PI DataLink Server 2010:
 - Supports SharePoint 2010 (64-bit)
 - · Office SharePoint Server 2007 as well
- Both PI DataLink 2010 and PI Data Link Server 2010 support Internationalization and Localization

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

BI for Manufacturing



30 Day Corporate Fuel Gas Consumption



Simple, Relevant, and Collaborative



Simple

- Simple naming and versioning
- Single PI Server package
- Aligned release schedule
- Organize PI System data around assets
- Migration of existing asset definitions
- Integration with business systems
- New ways to analyze data
- Use the tools you already know
- Business Intelligence for the masses
- Easily share insights with others

Relevant

Collaborative

Resources



For more information on PI System 2010 don't forget to:

- Visit www.osisoft.com
- Contact your local sales representative
- Email <u>sales@osisoft.com</u>

vCampus Live! 2010





- September 13th and 14th, 2010
- www.osisoft.com/vCampusLive2010



Thank you

© Copyright 2010 OSIsoft, LLC.

777 Davis St., San Leandro, CA 94577