

Presented by

Laurie Dieffenbach Product Manager

Experience



COLLECT



HISTORIZE



FIND



ANALYZE



DELIVER

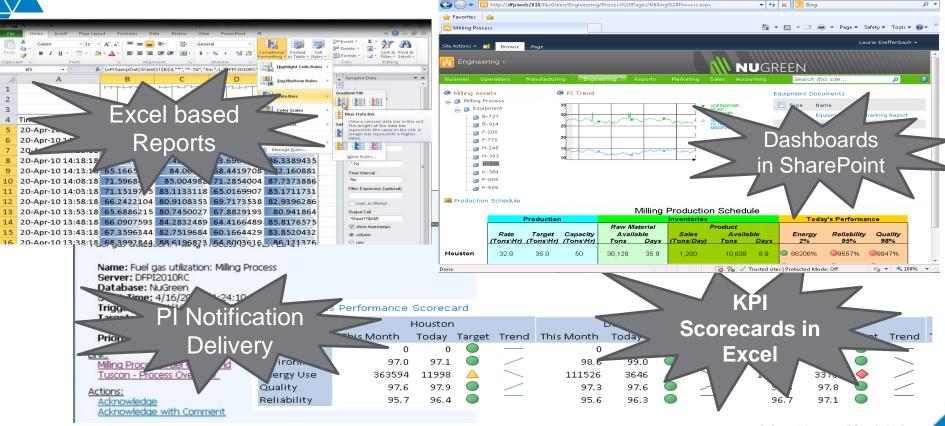


DELIVER



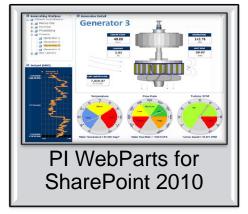
What's New with Visualization in PI System 2010?

Milling Process - Windows Internet Explorer

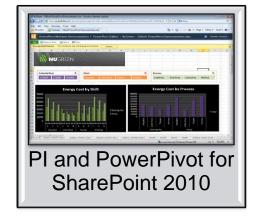


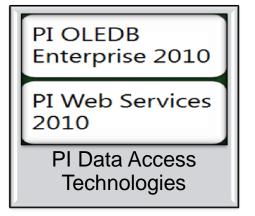
Visualization for PI System 2010

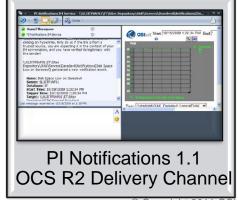








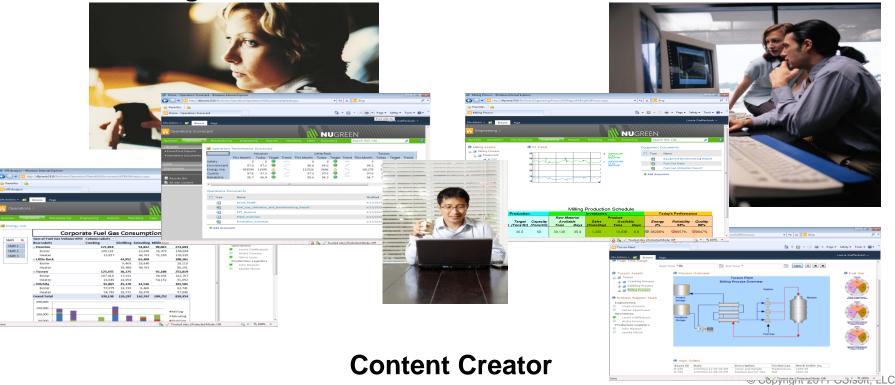




Role-based Dashboarding

Management

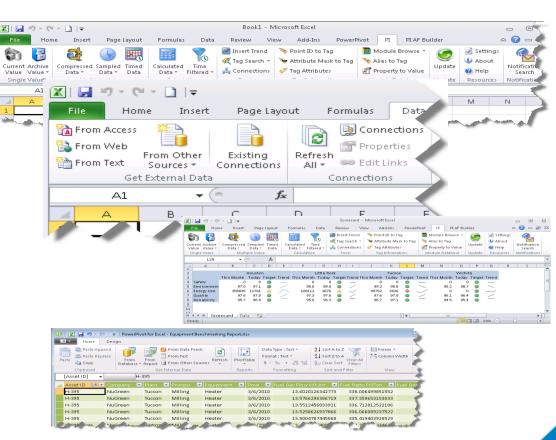
Knowledge Worker Engineering Staff



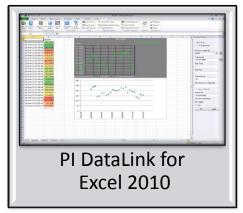
Content Creator Roles

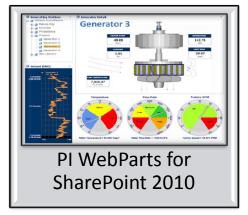
Use different data sources

- Create scorecards
- Create multidimensional reports
- Publish to SharePoint

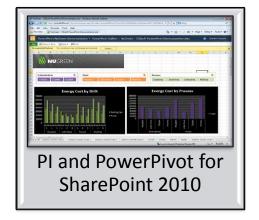


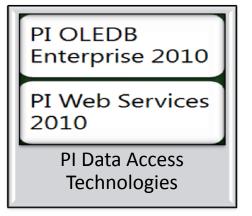
Visualization for PI System 2010

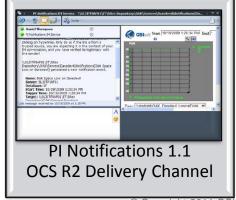




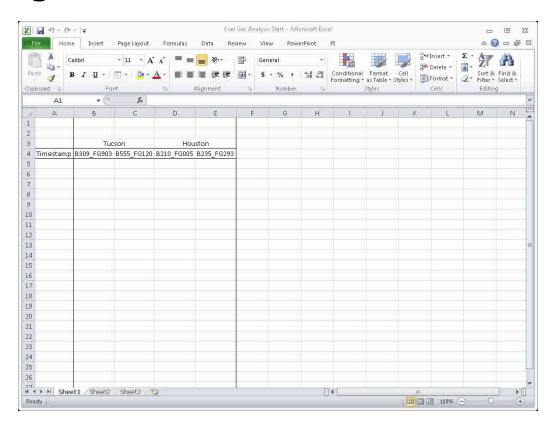




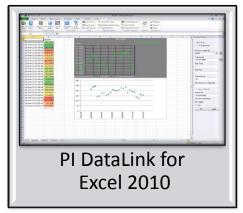


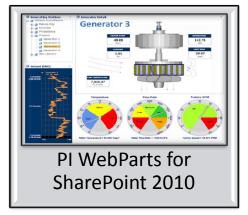


Using Excel 2010 features with PI DataLink

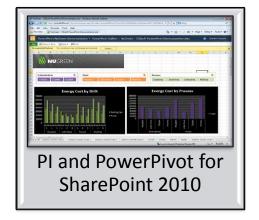


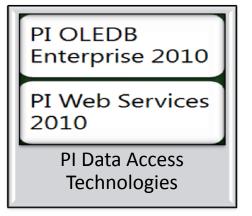
Visualization for PI System 2010

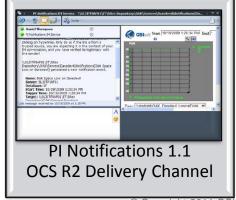




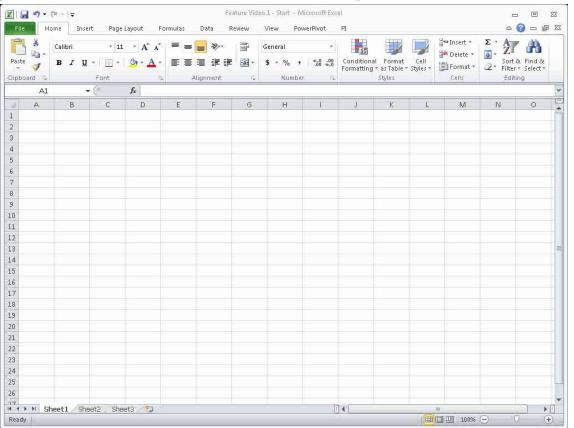




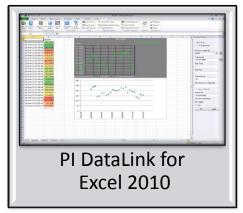


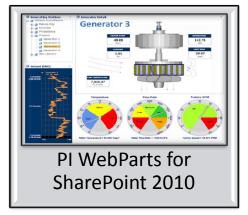


Building Multi-dimensional Reports

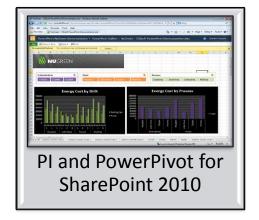


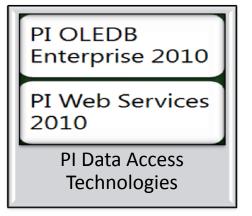
Visualization for PI System 2010

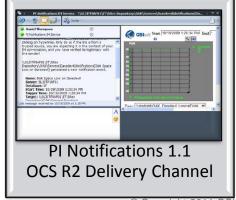




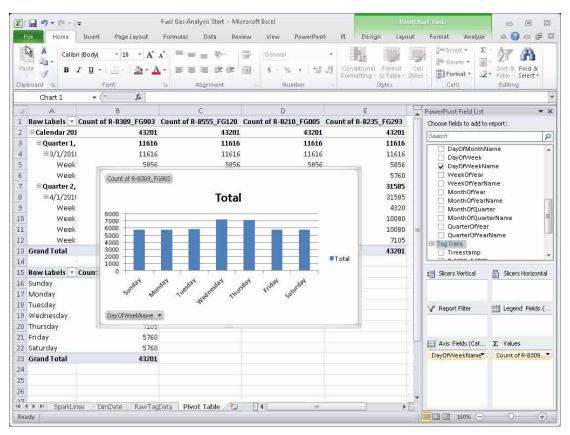








Publishing to SharePoint

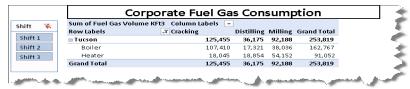


Management Roles

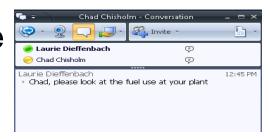
Easy navigation to needed information



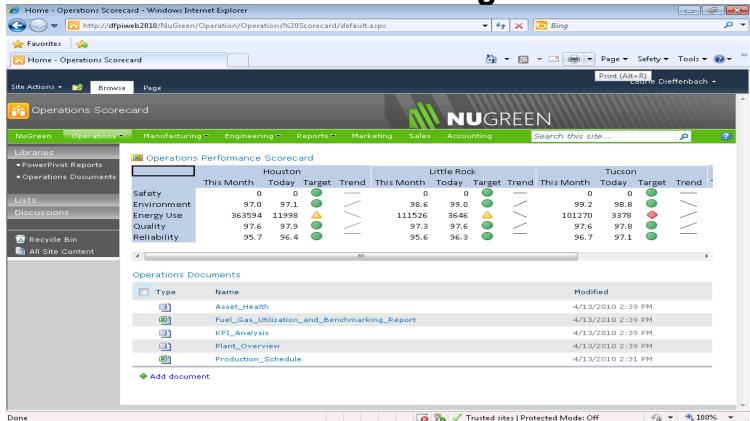
Content is already built, but can interact with it to focus on an issue



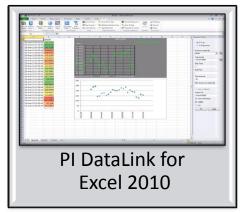
Easy access to assistance from experts

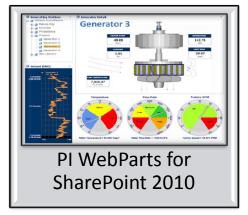


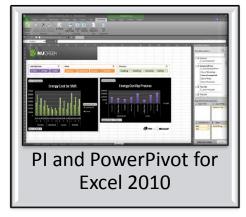
Scorecards in SharePoint using Excel Services

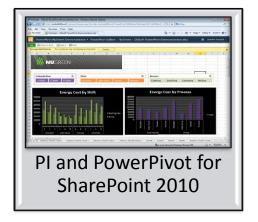


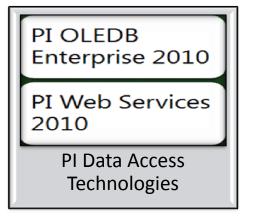
Visualization for PI System 2010

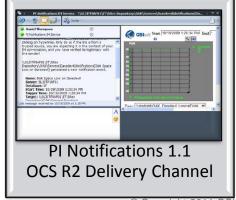




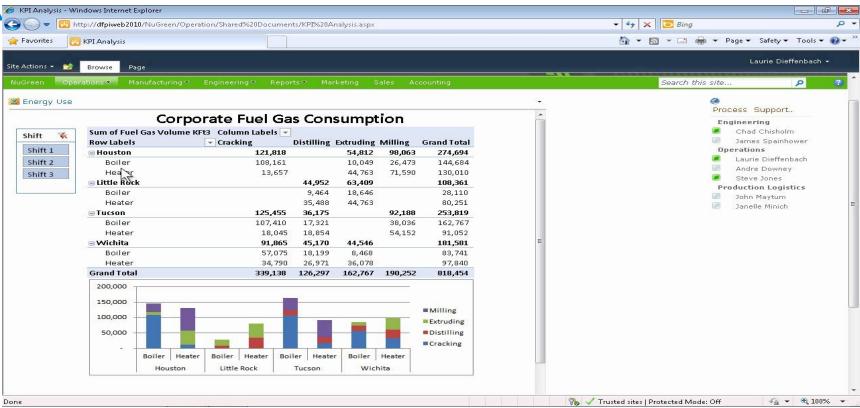








Using Reports in SharePoint



Knowledge Worker Roles

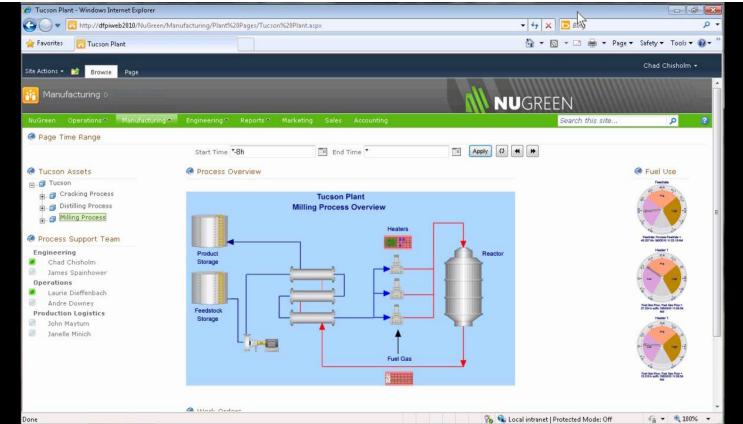
Access to all needed tools

Contribute material for use by others

Act to resolve problems and prevent recurrence

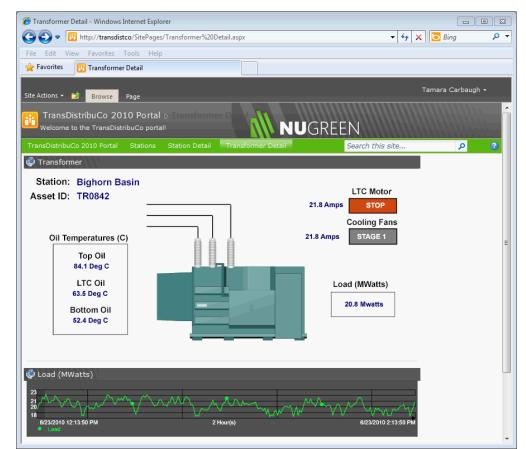


Providing Appropriate Detail



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Getting to relevant 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







 Reports that engineers and managers rely on

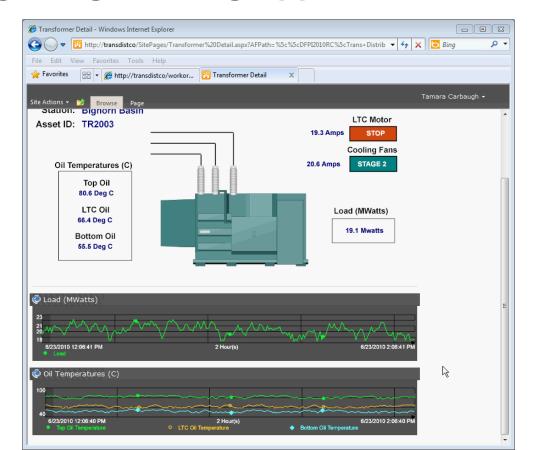


Manuals, Safety, Maps

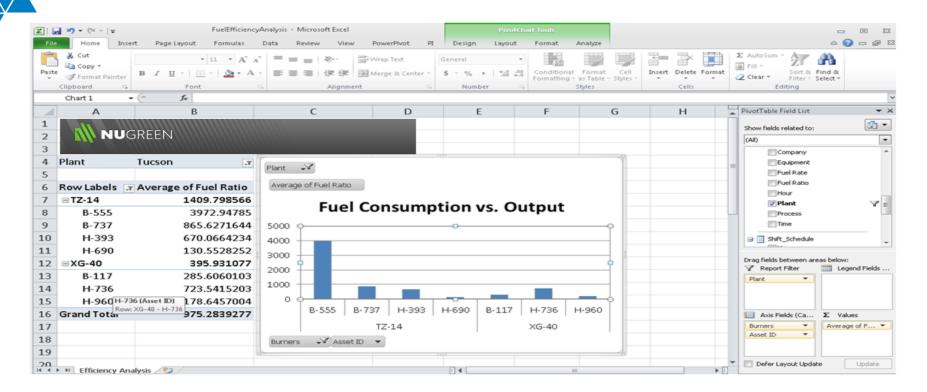
- Key data that is stored online
 - Safety
 - Equipment manuals
 - Weather
 - Maps



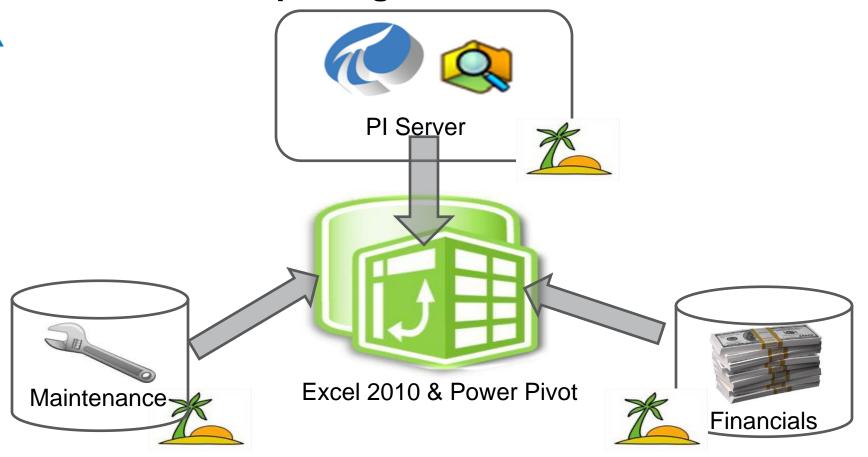
Integrating Existing Apps with PI WebParts



PI DataLink + Excel 2010 + PowerPivot

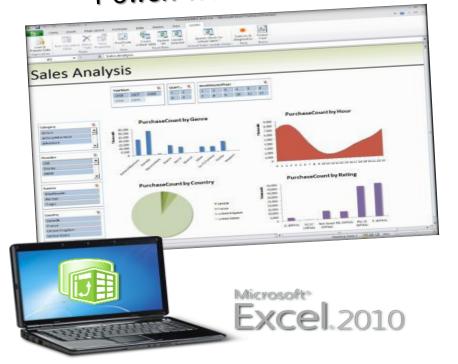


User-driven Reporting with Power Pivot



Managed Self Service BI

PowerPivot for Excel



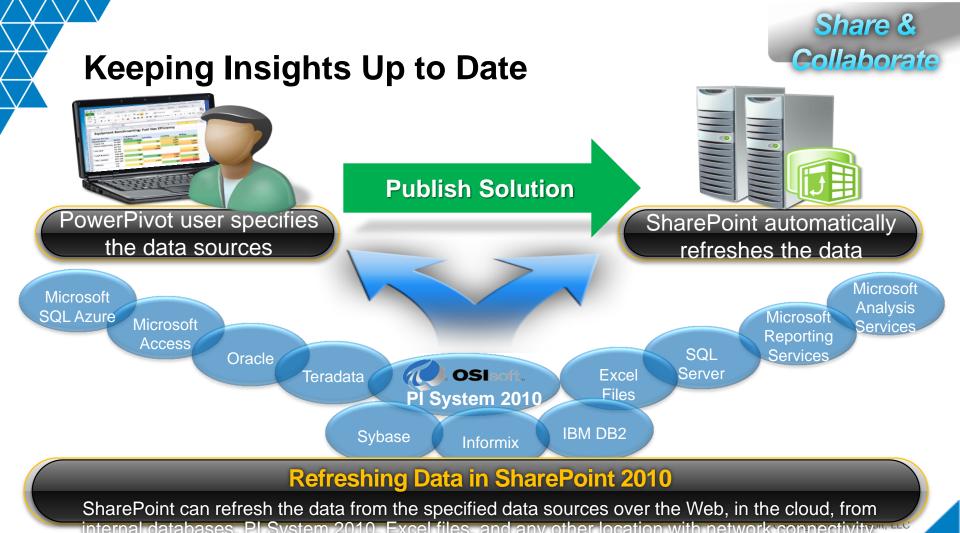
PowerPivot for SharePoint



BI for Manufacturing

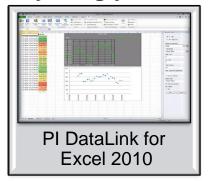
30 Day Corporate Fuel Gas Consumption

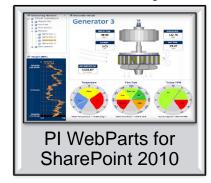
				•			-		
sh	ift 🔻	Sum of Fuel Gas Volume Column Lab ▼							
		Row Labels	▽ C	racking	Distilling	Extruding	Milling	Grand Total	
	Shift 1	■Houston		121,929		54,828	98,453	275,210	
	Shift 2 Shift 3	Boiler		108,315		10,023	26,842	145,180	
Man 🕒	onirt 3	Heater		13,614		44,804	71,611	130,029	g
■ Fla		■ Little Roc	:k		45,024	63,146		108,169	3
□ Bo		Boiler			9,559	18,341		27,900	_
- DO		Heater			35,465	44,804		80,269	
		■Tucson		126,003	36,492		92,282	254,777	1,6
⊟Но		Boiler		107,830	17,662		38,106	163,598	2,4
		Heater		18,173	18,829		54,176	91,178	
		■ Wichita		91,736	45,233	44,704		181,673	_
■ Sw		Boiler		56,933	18,295	8,628		83,856	8
		Heater		34,803	26,938	36,076		97,817	2,9
■ KP		Grand Tota	I	339,668	126,748	162,677	190,735	819,829	
		Sum of Fuel Gas Volume KFt3							
		200,000 —							4
■Inf		150,000						(Process ▼)	1,2
		50,000						Extruding	6,3
Gran		50,000						Distilling	2,0
Ji ail			Boiler Heater	Boiler H	Heater Boiler	Heater	Boiler Heate		2,0
			Houston	Little Roo	ck	Tucson	Wichita	= Gracking	
		Plant ▼ Equipr	ment 🔻						
									4



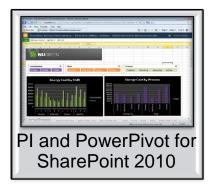
PI for Office 2010 Visualization for PI System 2010

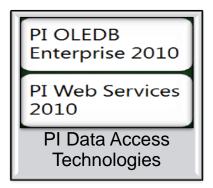
Everything you need to work with PI System data in Microsoft Office (2010)

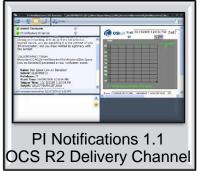


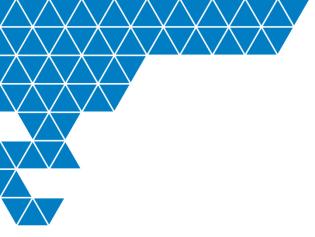












Thank you