

Regional Seminar Series

Warszawa, Poland



Individual Product Functionality Presentation

Tadeas MARCINIAK Customer Support Engineer OSIsoft

7th October 2010

Real Time Information - Currency of the New Decade

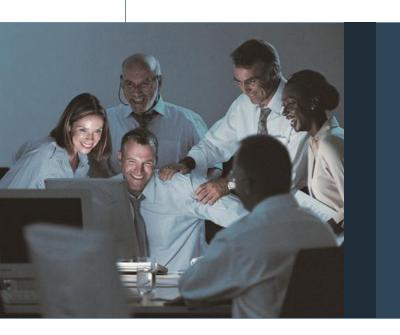
Individual Product Functionality Presentation

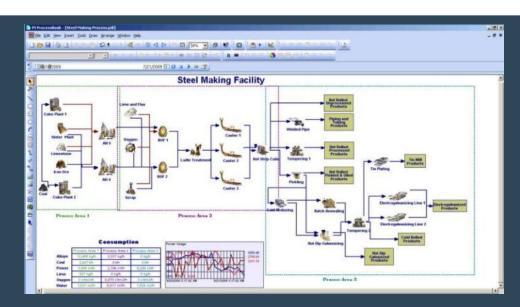


- PI ProcessBook
 - PI SQC (Statistical Quality Control)
 - Element Related Displays
- PI DataLink
 - Power Pivot
- PI WebParts
- Batch/Event Frames
- PLAF
 - PI Notifications



PI ProcessBook

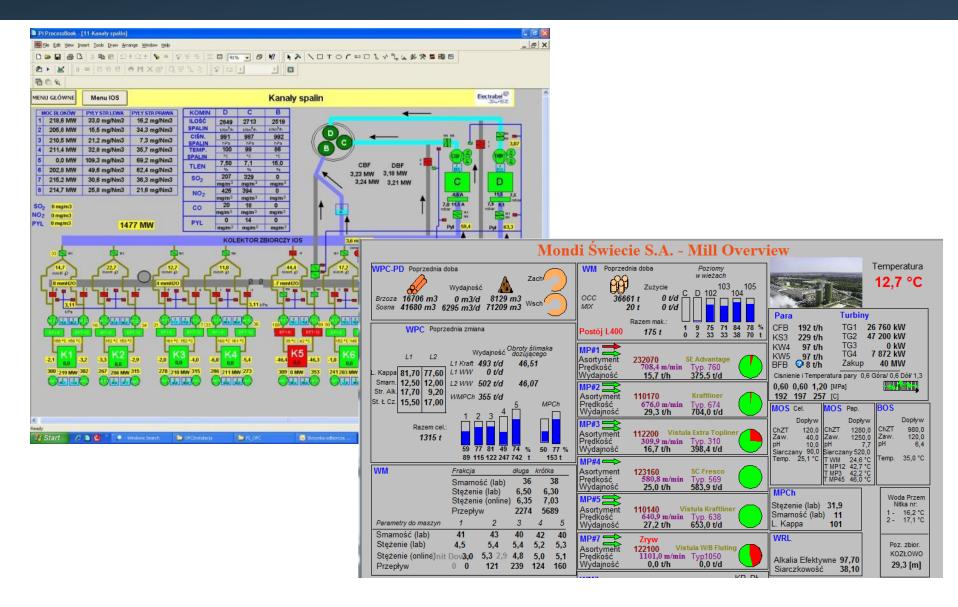




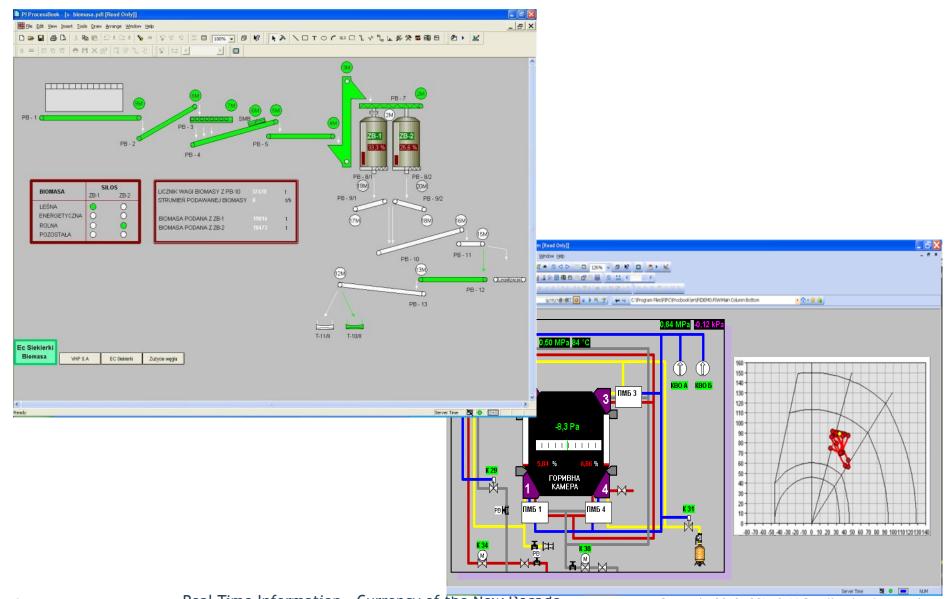


- PI ProcessBook is tool for graphical dynamic presentation of data and processes
- PI ProcessBook provides tools to create custom "applications" used to analyze data (mostly, VBA)
- PI ProcessBook is integration environment
 - Active X Provider and Container
 - Data from a variety of sources
 - time-series
 - relational databases
 - AF asset-centric data
- PI ProcessBook can export displays for use in other PI System tools (e.g., PI WebParts)

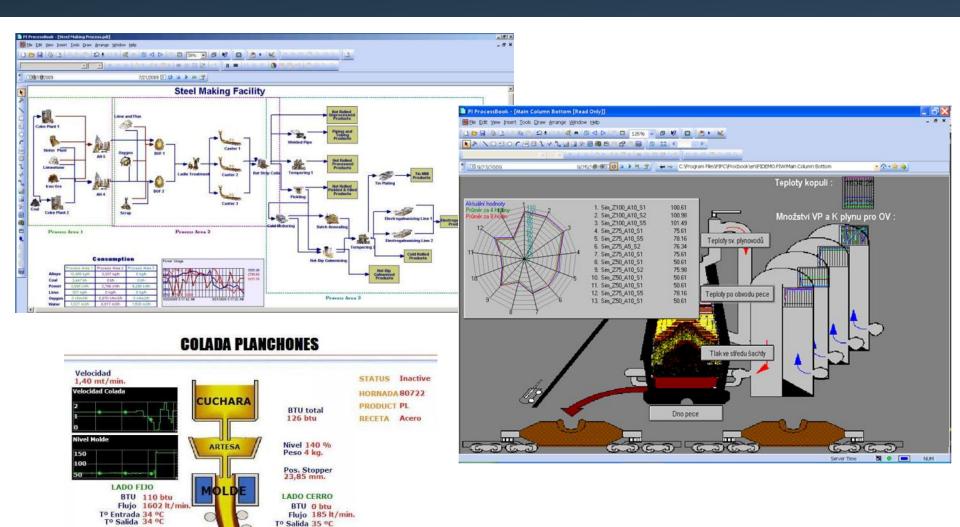












LADO MAR

BTU 16 btu

Salida 35 °C

Flujo 190 lt/min.

LADO MOVIL

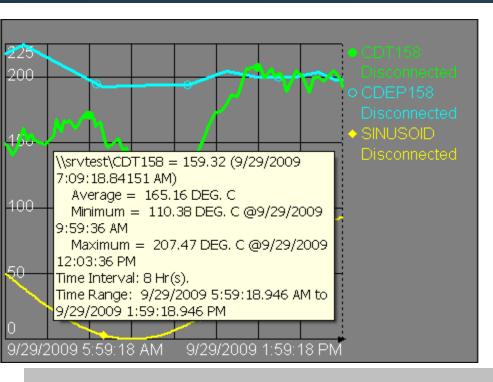
To Entrada 34 °C To Salida 34 °C

BTU 0 btu

Flujo 1586 lt/min.

PB 3.2 - ToolTips and Details





	Data Source \\srvtest\CDT	158	Option Statistics
	Trend1	100	ひ A* A' 🔊
	Statistics	Value	Timestamp
	Data Type	Float 32	
	Average	165.44	
	Minimum	110.38	9/29/2009 9:59:36 AM
	Maximum	207.47	9/29/2009 12:03:36 PM
	Range	97.092	
	StdDev	28.268	
	PStdDev	28.268	
	Count	28800	
	Time Interval	8 Hours	
	Time Range	Start Time	9/29/2009 6:02:01 AM
6		End Time	9/29/2009 2:02:01 PM
-1			



7/19/2007 6:02:32

\\ccoen\sinusoid (7/19/2007 (Average = 69.00

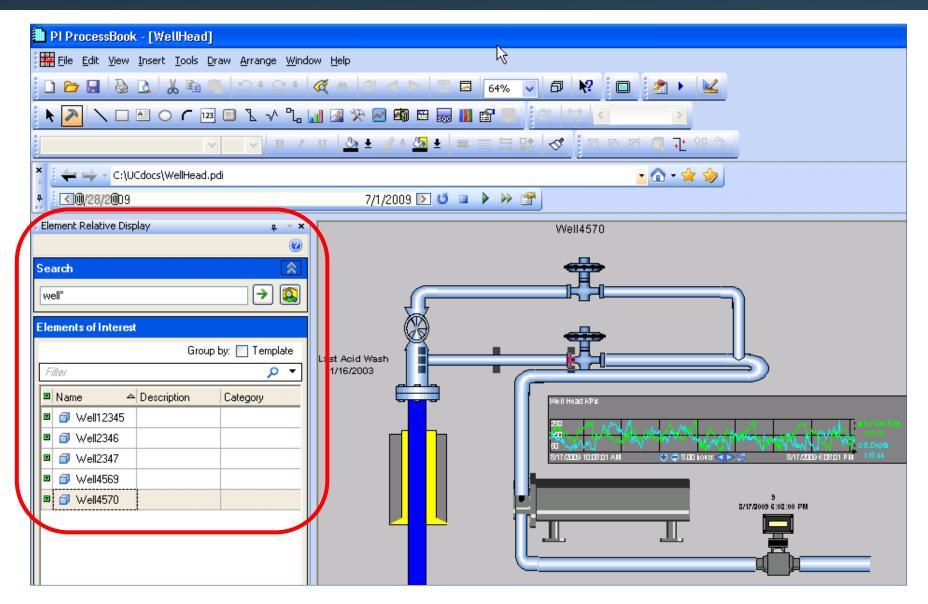
Minimum = 56.34 @7/19/2007 6:02:32 PM Maximum = 81.73 @7/19/2007 5:02:41 PM

Time Interval: 1 Hr(s).

Time Range: *-1 Hour to *

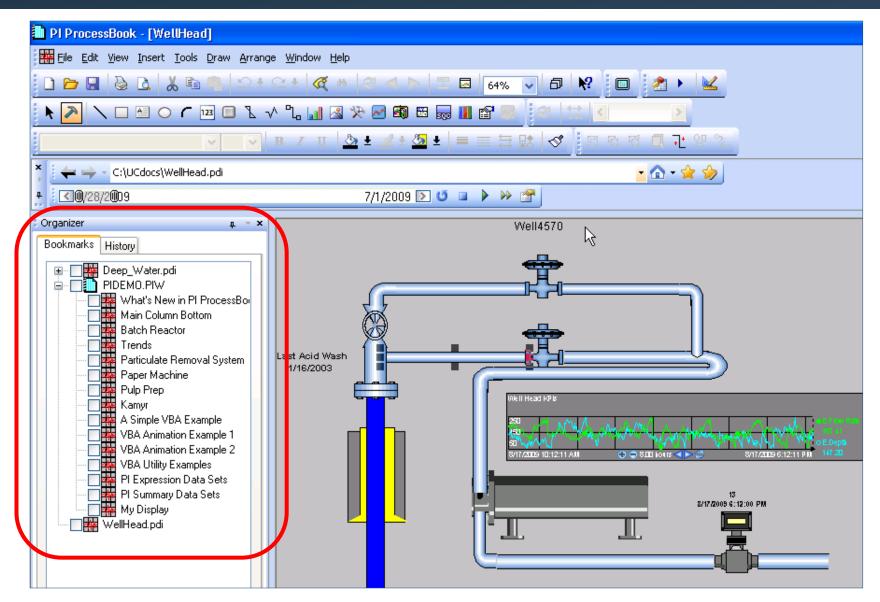
PB 3.2 - AF Element Relative Displays





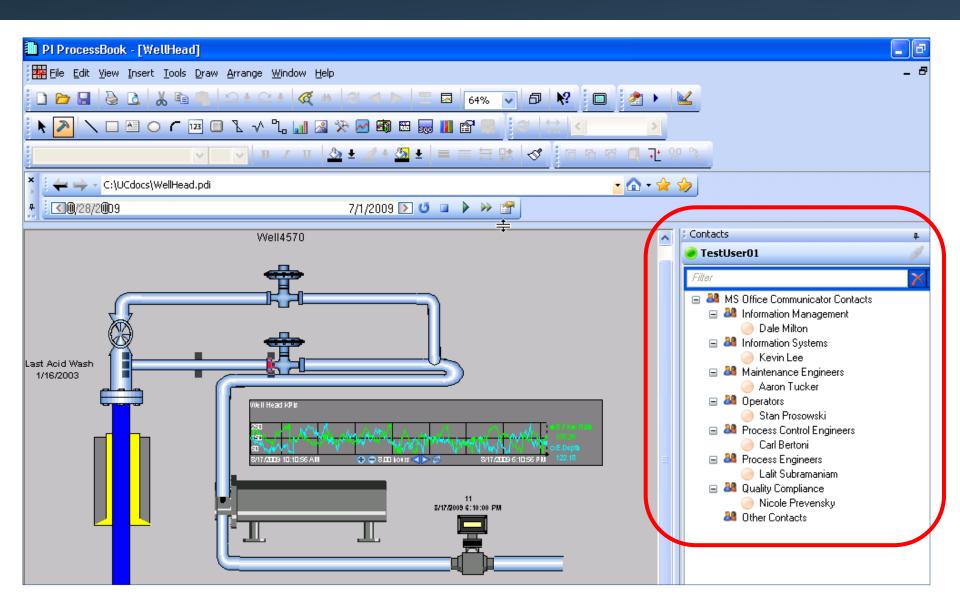
PB 3.2 - Display Browsing and Bookmarking





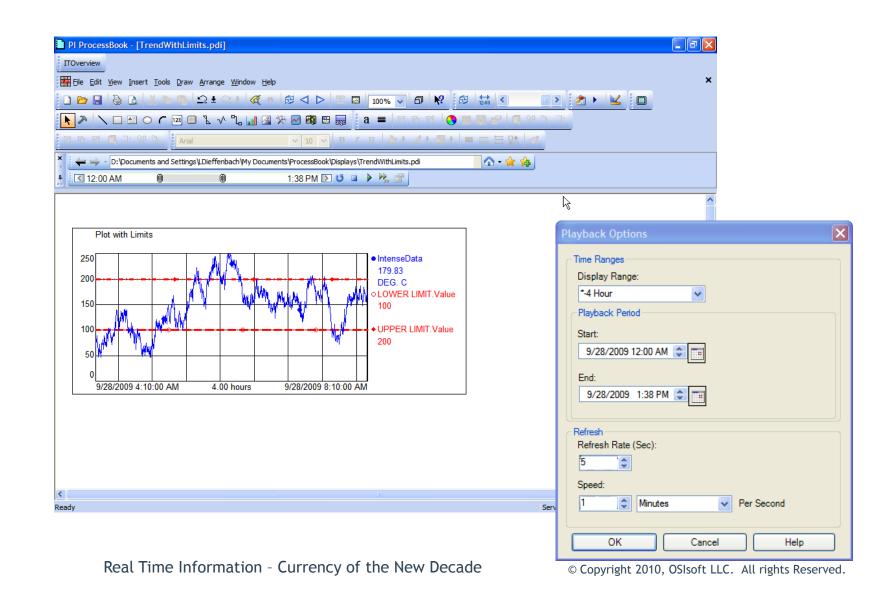
PB 3.2 - Office Communicator Integration





PB 3.2 - ProcessBook Playback Feature



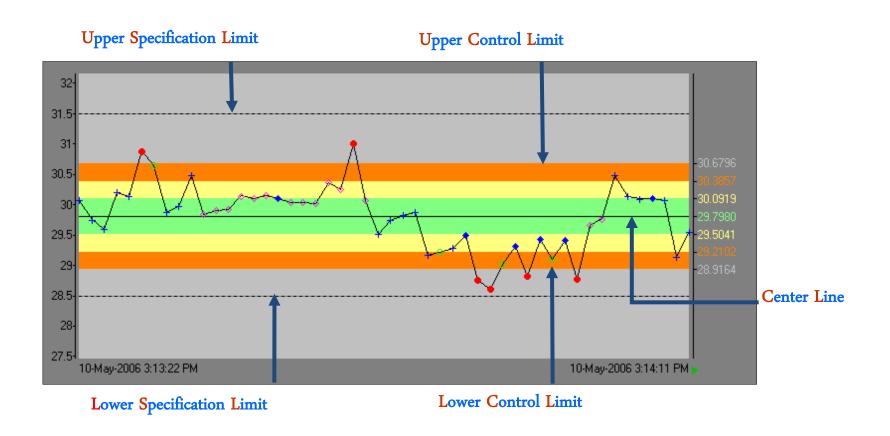


PI SQC (Statistical Quality Control)



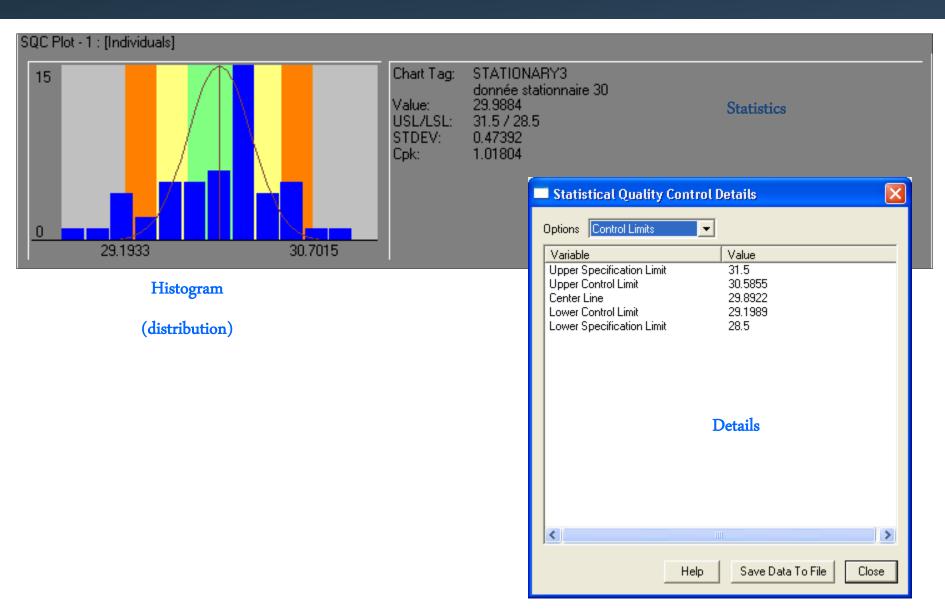
PI SQC Client

SQC (Shewhart) Charts integrated in PI Process Book



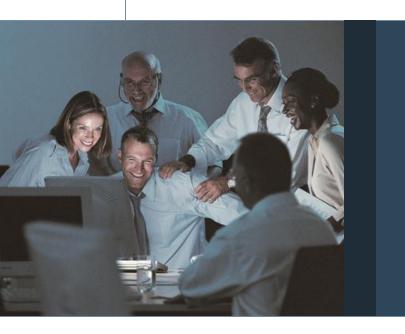
PI SQC (Statistical Quality Control)

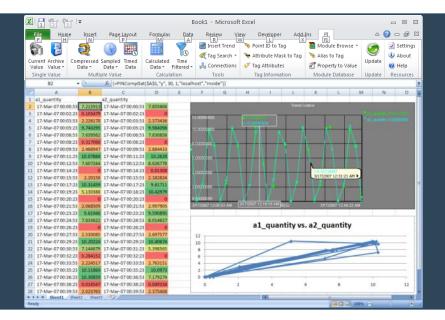






PI DataLink





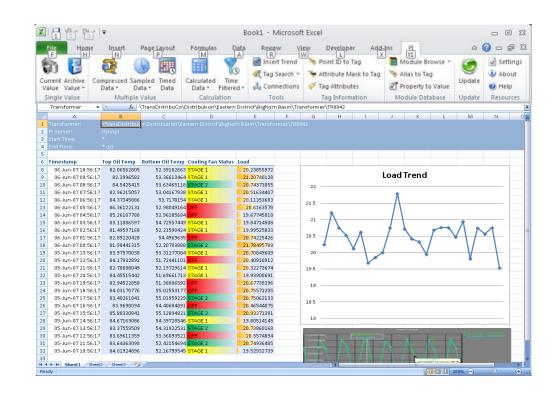
Introducing PI DataLink



- PI DataLink is an Excel add-in that allows users to access time-series data and metadata stored in the PI System
- Used for reporting, data mining, charting, and analysis

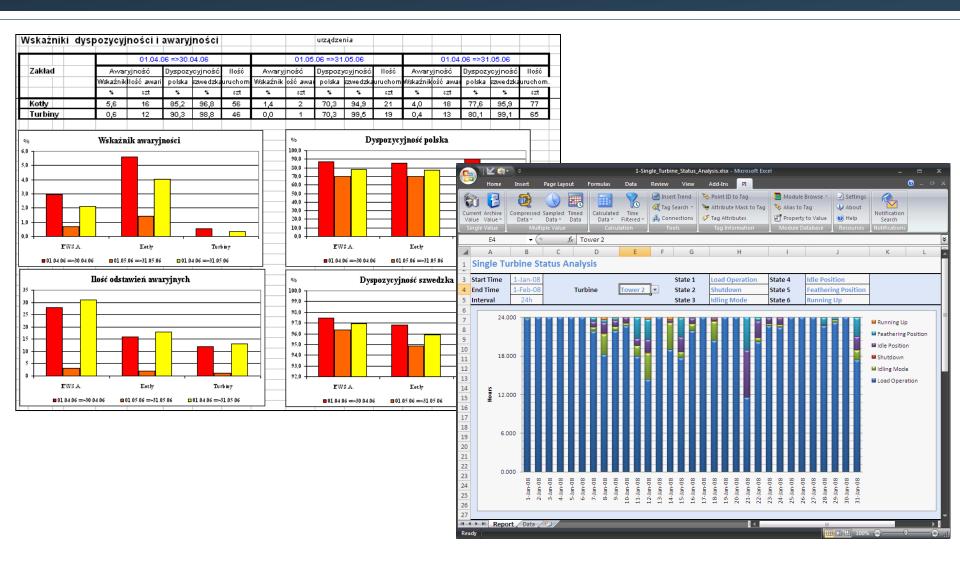
Main functions:

- Current data visualization
- Calculated data
 - total, maximum, minimum, average, ...
- Time filtered calculations
 - amount of time over which a PI System expression is true (e.g. job time of specific device in a month)
- PI ProcessBook style trend object



Introducing PI DataLink

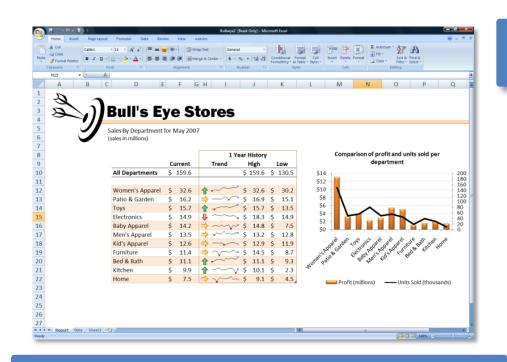






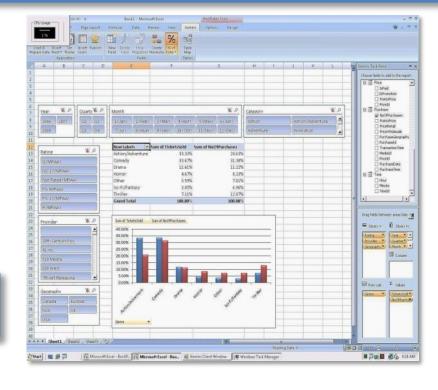
Powerful Personal Analysis Tools Drive personal productivity and insight

Excel. 2010



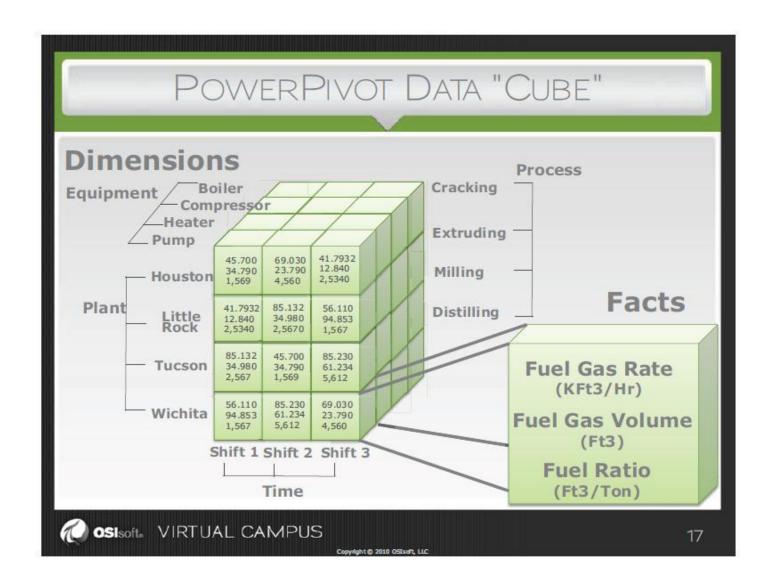
Improved formatting and charts

Easier navigation with Slicers



PowerPivot

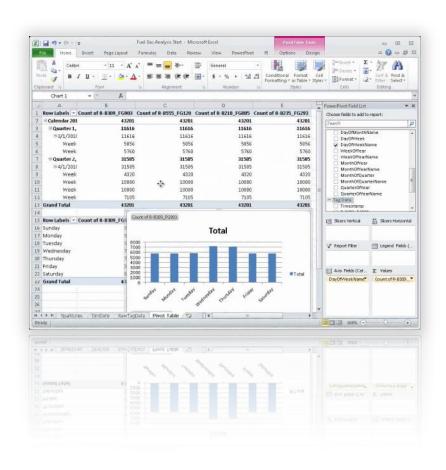


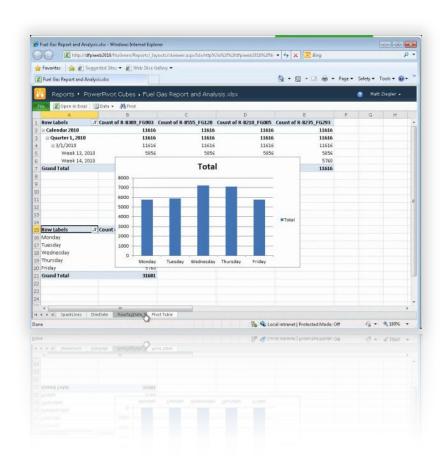




Publish and Share with

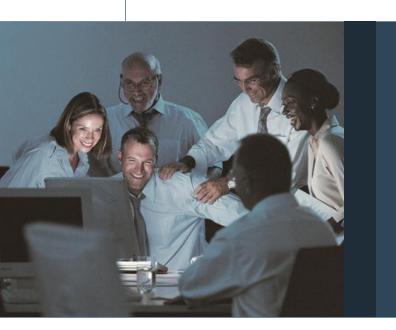
SharePoint and DataLink Server

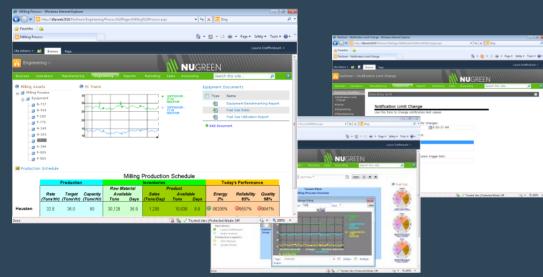






PI WebParts





What is PI WebParts?

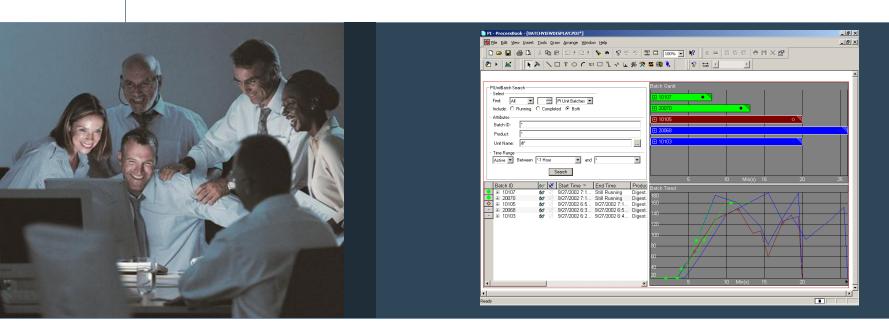


- PI System on the web
 - time-series
 - relational
 - web services data
- Relies on the Microsoft SharePoint Platform



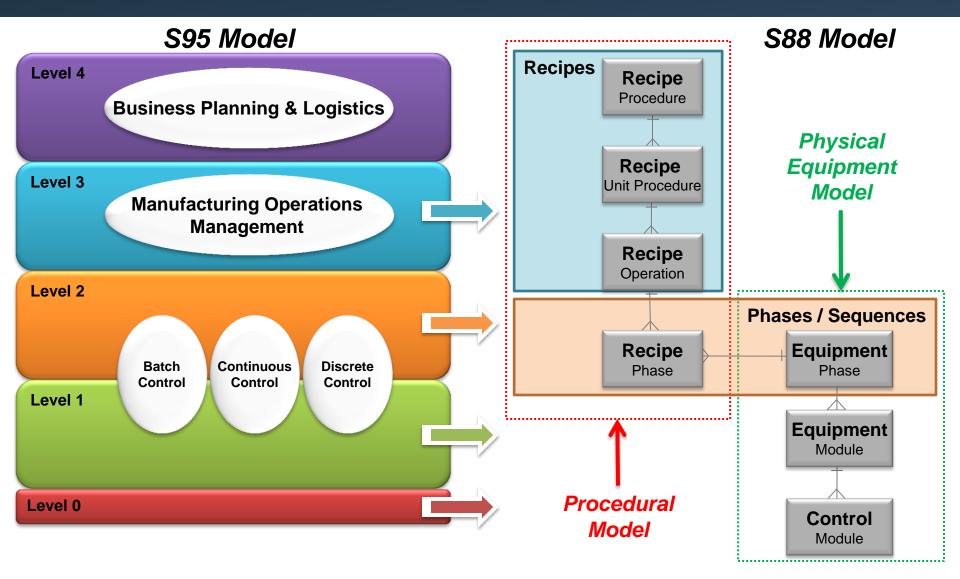


Batch/Event Framing



Batch Concept through \$95* & \$88**

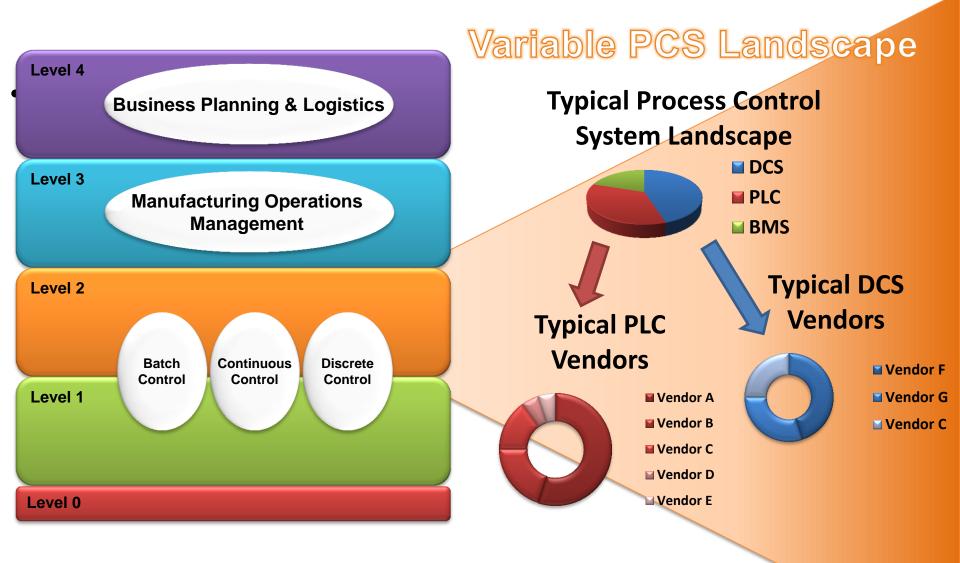




- * ANSI/ISA-88 IEC 61512 Batch Control
- ** ANSI/ISA-95 IEC 62264 Enterprise-Control System Integration

Challenges at Level 2





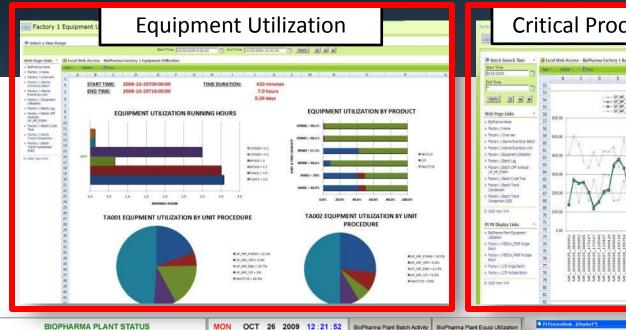
Common Infrastructure for Collecting Data

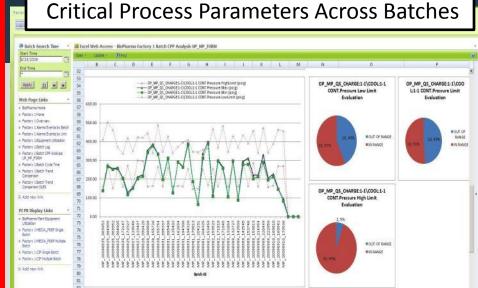


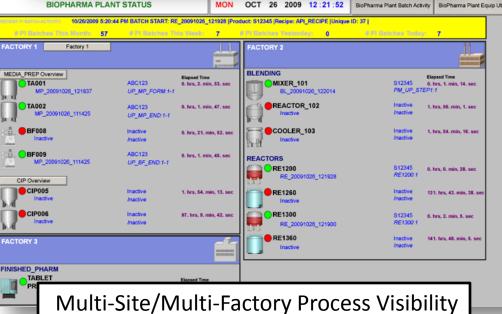


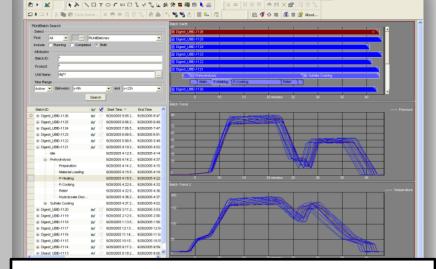










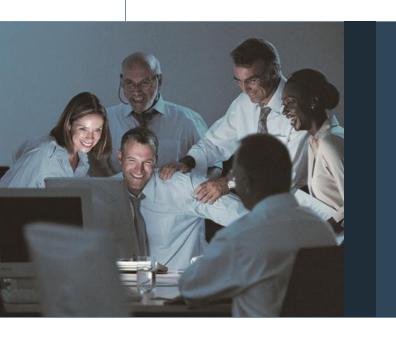


8 50 €

Batch Trends / Golden Batch Analysis



PI AF

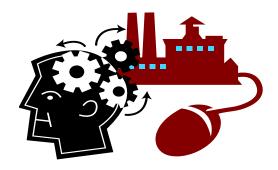








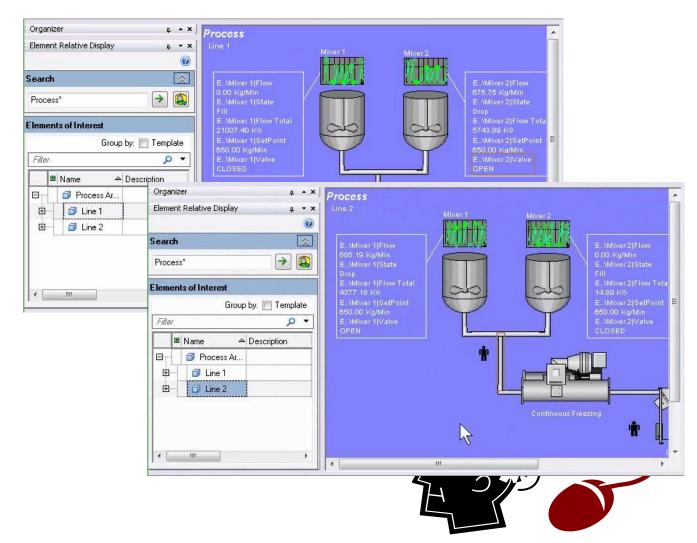
- A database of user configured "Process Object Models" called elements which represent the logical components the assets - in your process.
- The elements form a data directory
 "middle layer" for PI System clients which
 transforms PI System data into information.



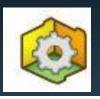


PI AF Example - Module Related Display 🕼



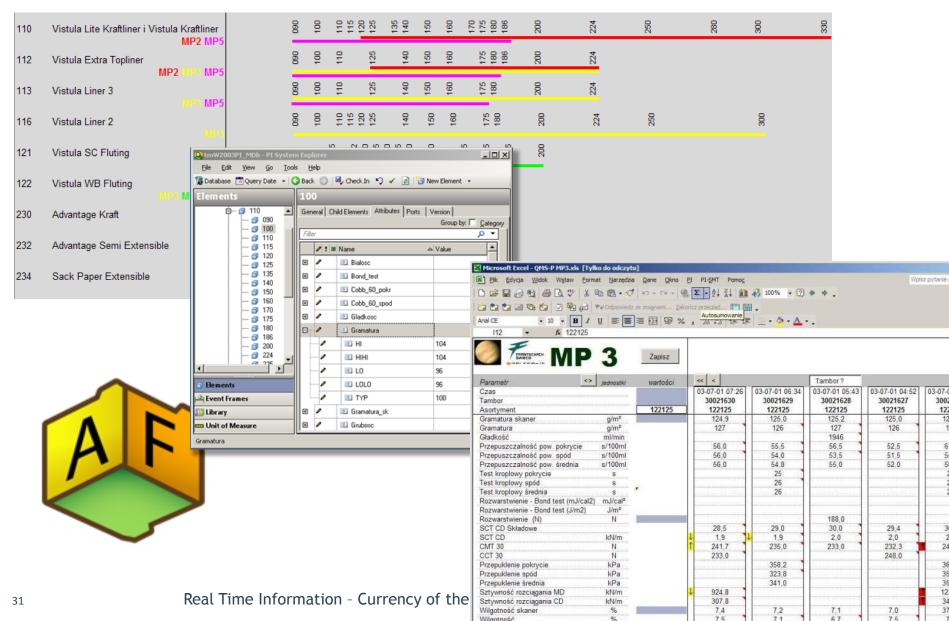






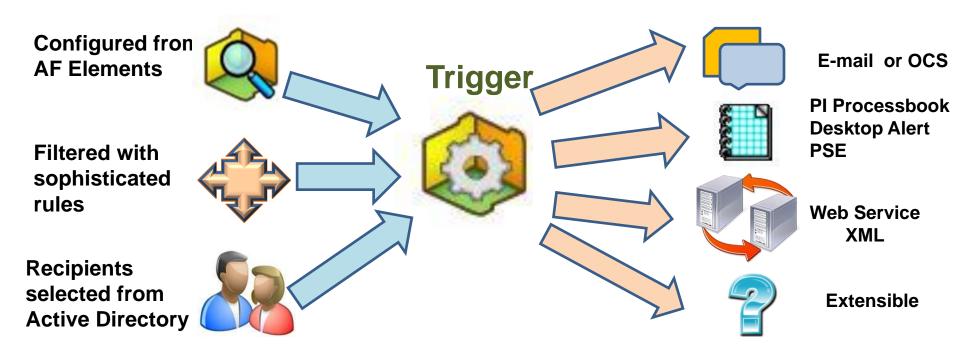
PI AF Example - Product specification





PI Notifications - Overview





Features

- Templates
- Custom Content
- Acknowledgement and Escalation

Delivery Channels

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



Thank you

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