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PI Client Updates

Presented by

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Customer Support Engineer
OSIsoft Asia Pte. Ltd.

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Outline

- PI DataLink
- PI ProcessBook
- PI WebParts

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PI DataLink

- Add-in to Microsoft Excel to retrieve PI System data, create reports, perform calculations, and do analysis in a familiar environment

- OSIsoft's most popular product by installations

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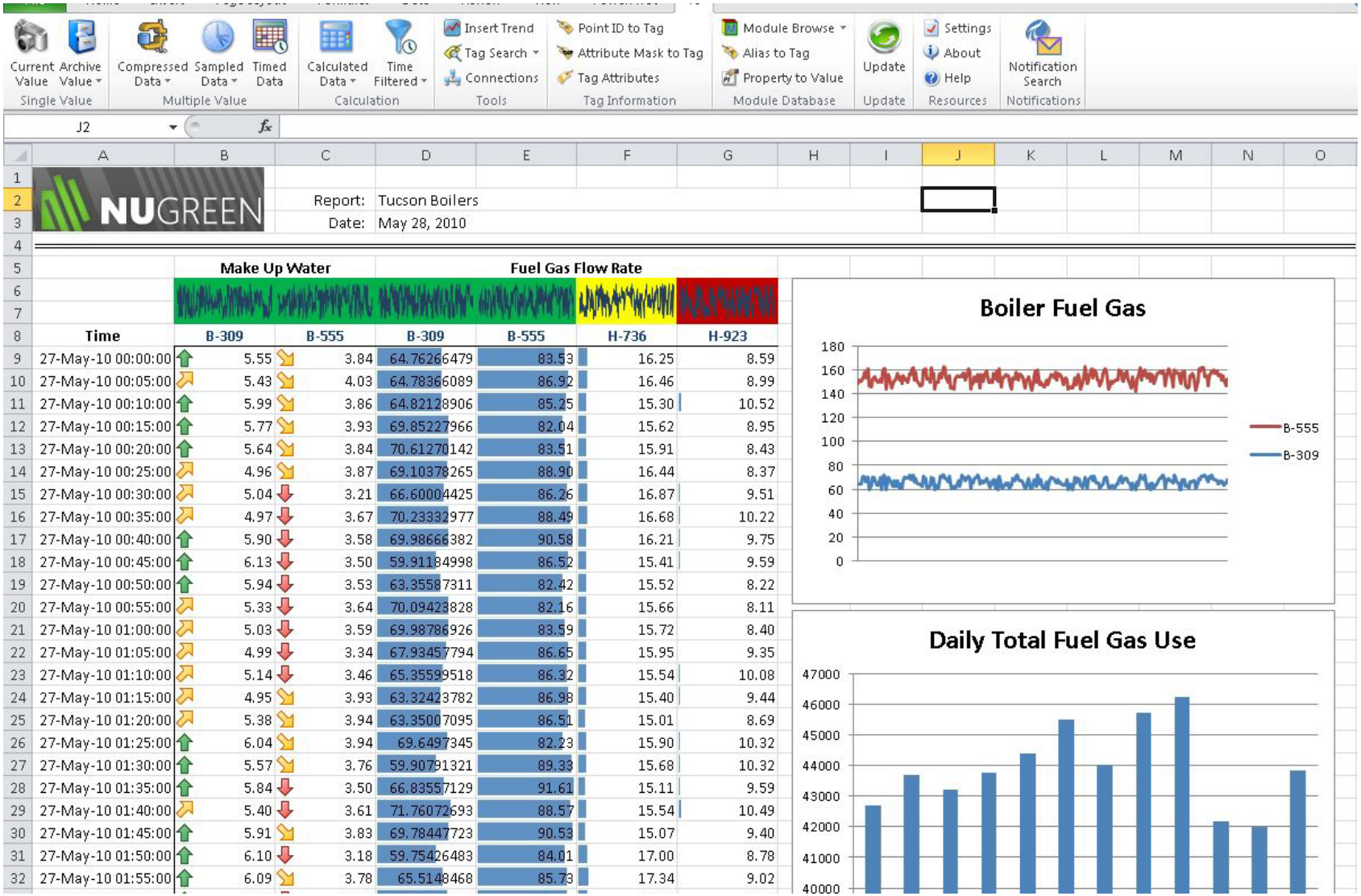
PI DataLink



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New Features

- Integration with PI AF

  “I want to access my PI System data without having to know about tags.”

- Search

  “I want to find relevant information quickly and easily.”

- Excel 2010 64-bit support

  “I want to leverage my investment in the latest technologies to maximize my productivity.”

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Disclaimer

PI DataLink is still under development. While the product is close to its final state, the exact implementation of features and functions, look and feel, are still subject to change.

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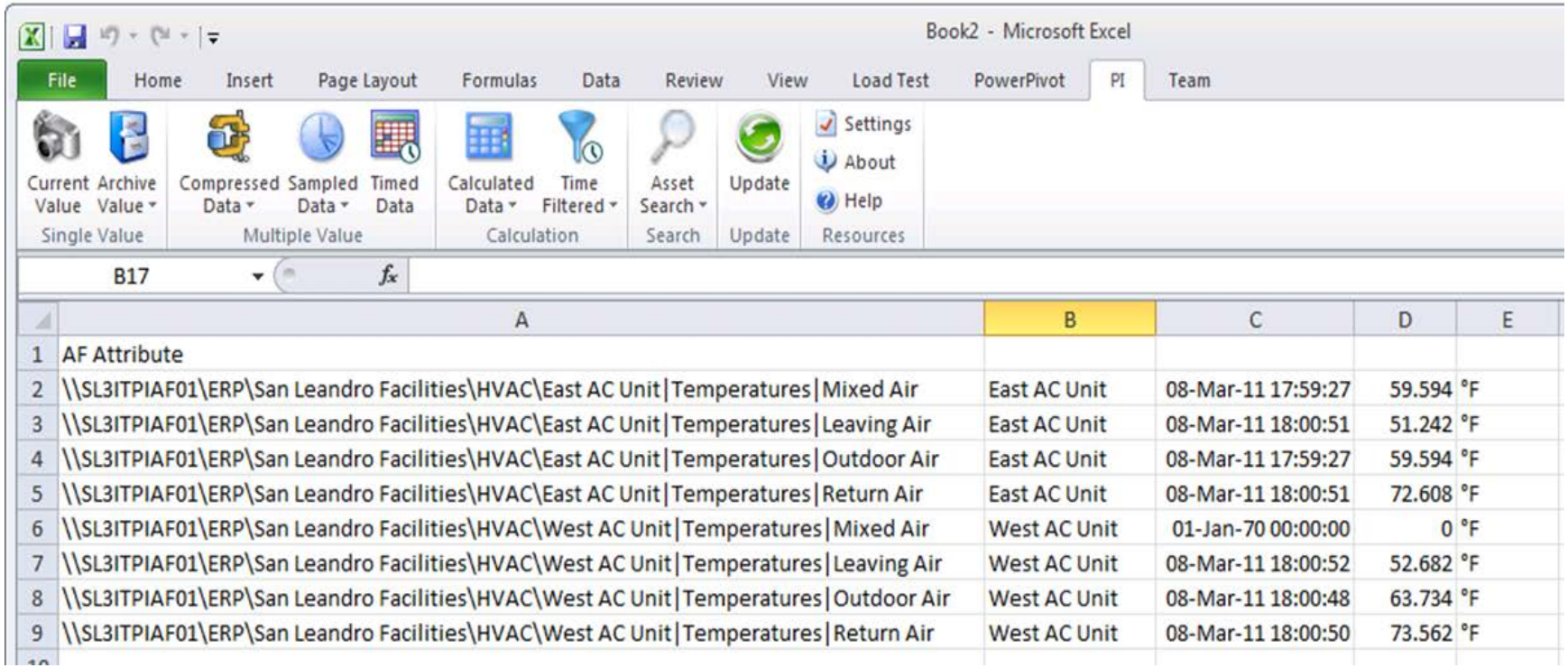
Integrated PI AF Experience

You already know how to use it …



	A	B	C	D	E
1	AF Attribute				
2	\\SL3ITPIAF01\ERP\San Leandro Facilities\HVAC\East AC Unit|Temperatures|Mixed Air	East AC Unit	08-Mar-11 17:59:27	59.594	°F
3	\\SL3ITPIAF01\ERP\San Leandro Facilities\HVAC\East AC Unit|Temperatures|Leaving Air	East AC Unit	08-Mar-11 18:00:51	51.242	°F
4	\\SL3ITPIAF01\ERP\San Leandro Facilities\HVAC\East AC Unit|Temperatures|Outdoor Air	East AC Unit	08-Mar-11 17:59:27	59.594	°F
5	\\SL3ITPIAF01\ERP\San Leandro Facilities\HVAC\East AC Unit|Temperatures|Return Air	East AC Unit	08-Mar-11 18:00:51	72.608	°F
6	\\SL3ITPIAF01\ERP\San Leandro Facilities\HVAC\West AC Unit|Temperatures|Mixed Air	West AC Unit	01-Jan-70 00:00:00	0	°F
7	\\SL3ITPIAF01\ERP\San Leandro Facilities\HVAC\West AC Unit|Temperatures|Leaving Air	West AC Unit	08-Mar-11 18:00:52	52.682	°F
8	\\SL3ITPIAF01\ERP\San Leandro Facilities\HVAC\West AC Unit|Temperatures|Outdoor Air	West AC Unit	08-Mar-11 18:00:48	63.734	°F
9	\\SL3ITPIAF01\ERP\San Leandro Facilities\HVAC\West AC Unit|Temperatures|Return Air	West AC Unit	08-Mar-11 18:00:50	73.562	°F

… Use both PI AF and PI tag paths to locate PI System data

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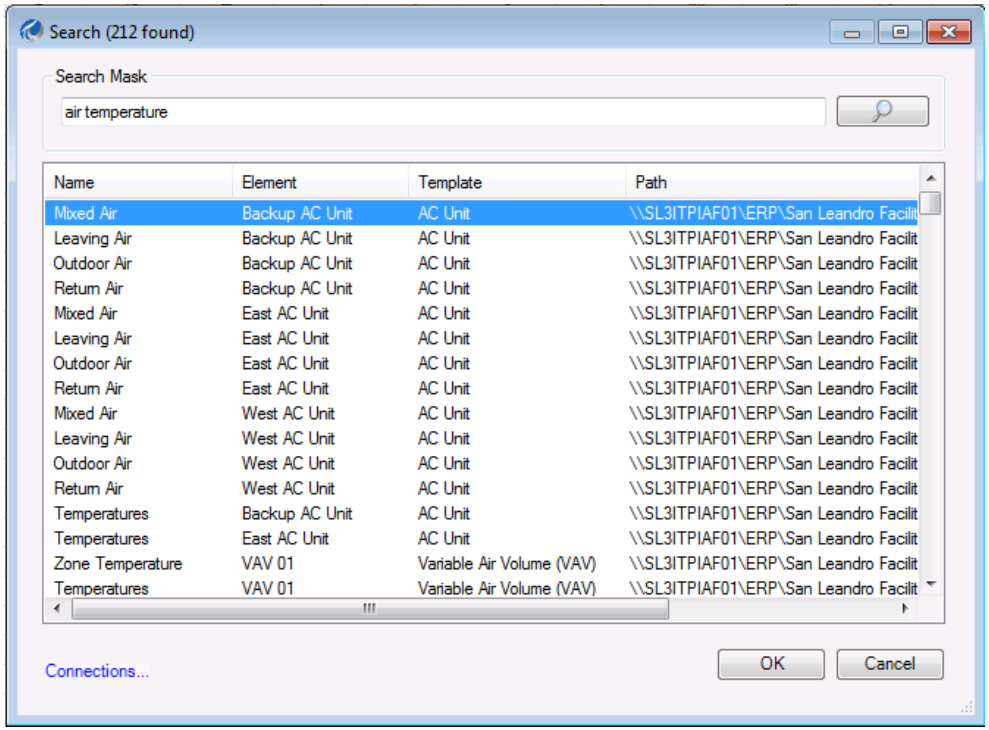
New PI DataLink Search Experience

- Find the data you want. Fast.
- Find tags and assets by name and relationships.
- Filter, sort, and scan the results.



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Excel 2010 64-bit Support

- More rows, more columns. Better BI.
- Compatible with all versions of Excel 2010
- Faster performance and more memory

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Supported Platforms

Office Versions

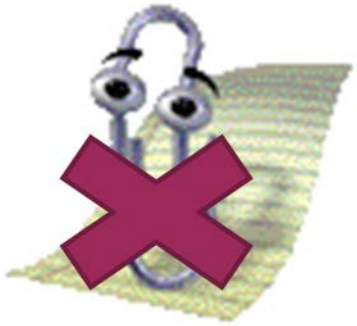
- Excel 2007
- Excel 2010 (32-bit)
- Excel 2010 (64-bit)

- No longer supports Excel 2003 (or earlier)
  - Best PI AF Experience requires new Excel UI
    - Ribbon + Task Panes
  - Ending MS support for 2003
    - Mainstream Ended: April 14, 2009
    - Extended Support Ends: April 8, 2014

Operation Systems

- Windows XP (SP3) – Windows 7
- Windows Server 2003 (SP2) – 2008R2

- NET Framework 4.x required



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Things to Note

- Trend Control
  - 32-bit: Display & Update Existing Displays. No editing or creating new Trends
  - 64-bit: Not Available. Trends display as static images and do not update.
- MDB Functions
  - Refresh, Recalculate and Select existing function.
- Recommend upgrading to PI Server 2010

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Other Notables

- Improved install experience
  - Single 32/64-bit kit
  - All pre-reqs included (no PIAs)
  - More reliable and easier to customize for large deployments

- Recent Highlights
  - Update Function
  - Internationalization

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PI ProcessBook:
What's Here, What's Coming

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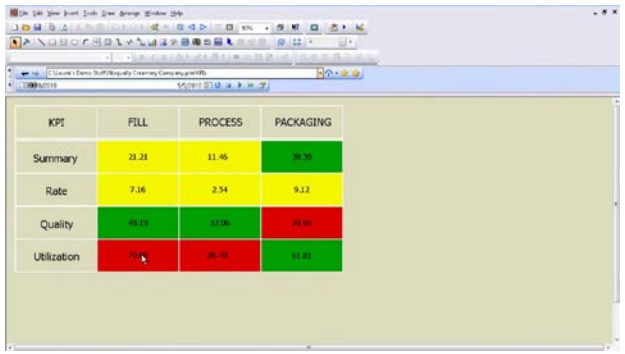
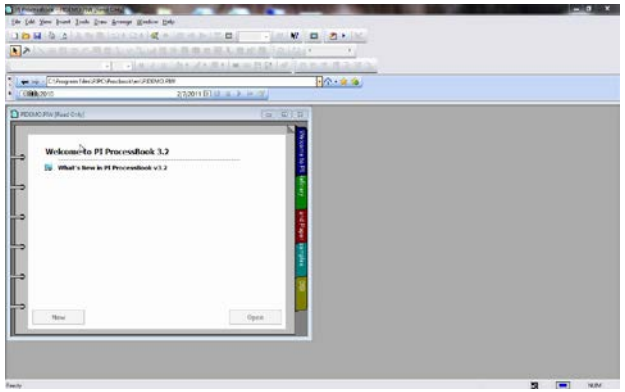
Best Current Features (v3.2)

- Asset-based Element Relative Displays
- Playback
- Trending features
- Bookmark Navigation
- PI Notifications support
- Details and Annotations
- Data Favorites





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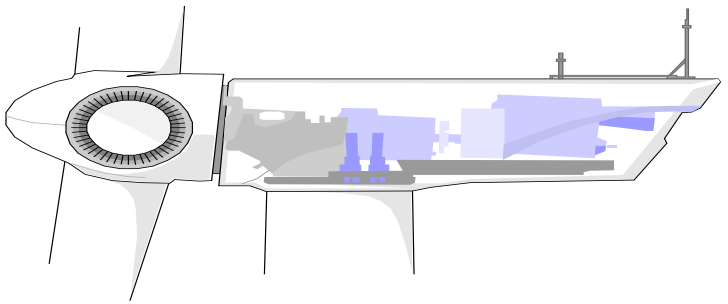
Short-term Plans

PI ProcessBook 2011 (v3.3)

- Internationalization
- Time handling tools
- Deeper asset support
- Some new symbol library images



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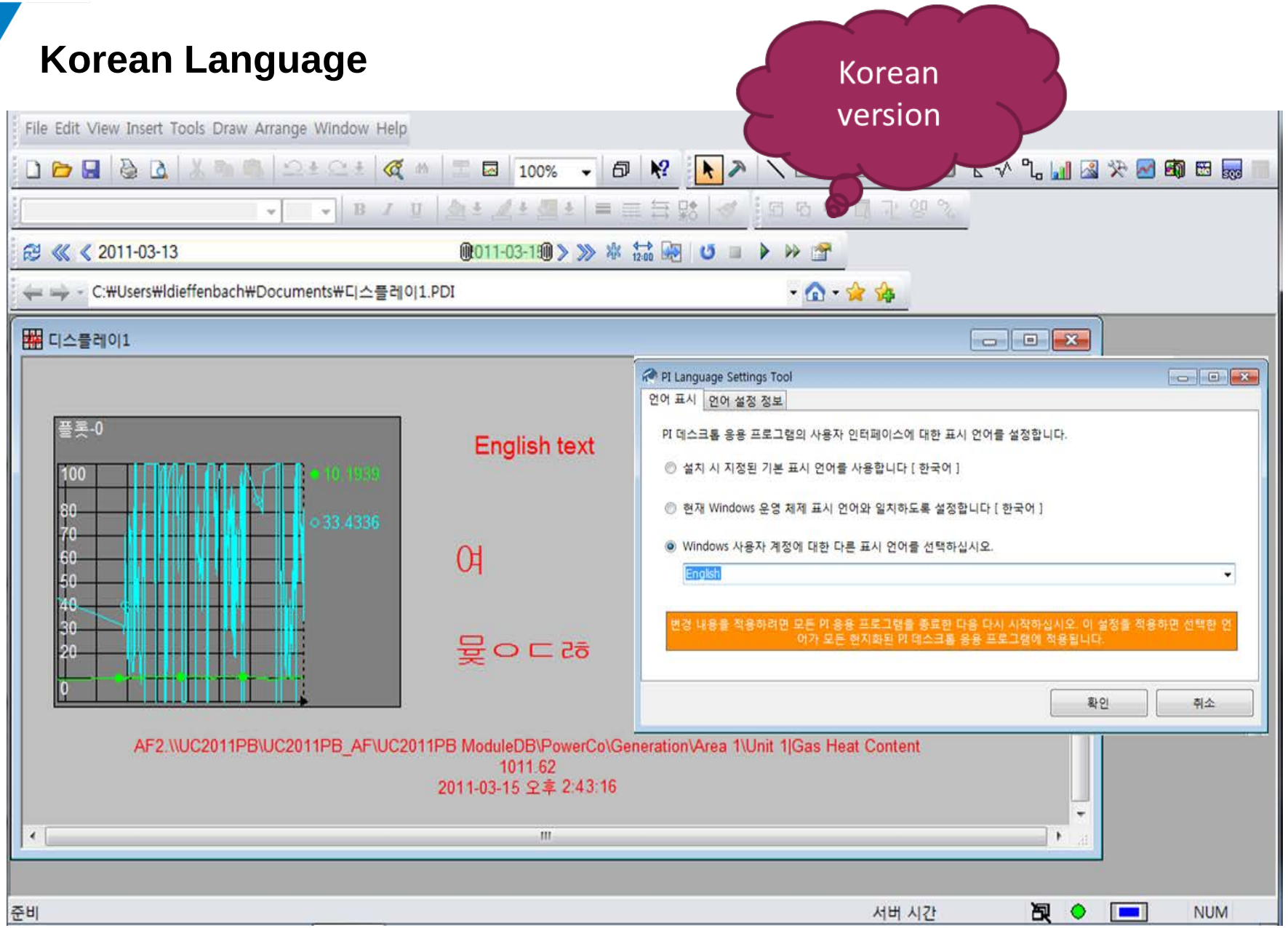
Korean Language



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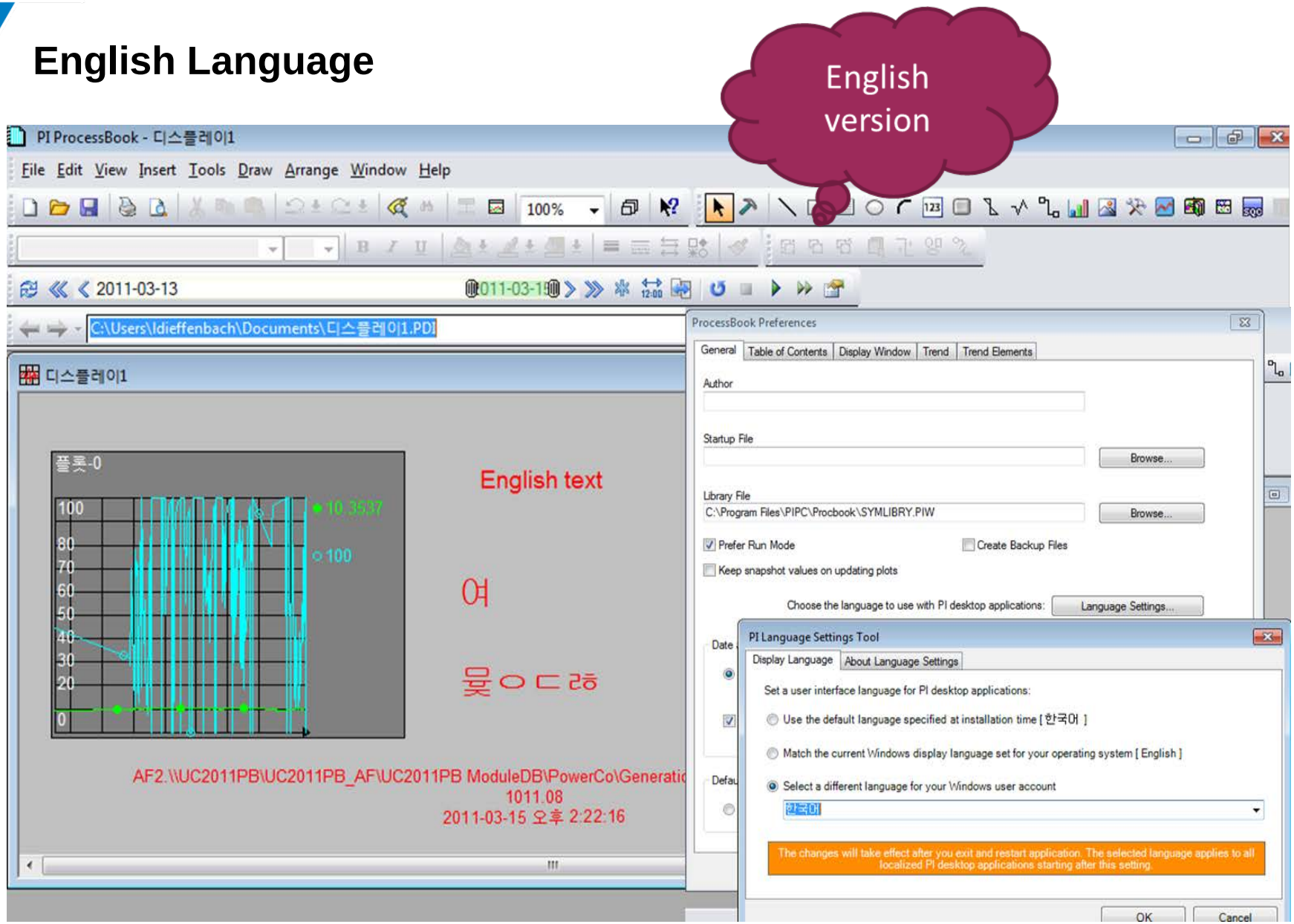
English Language



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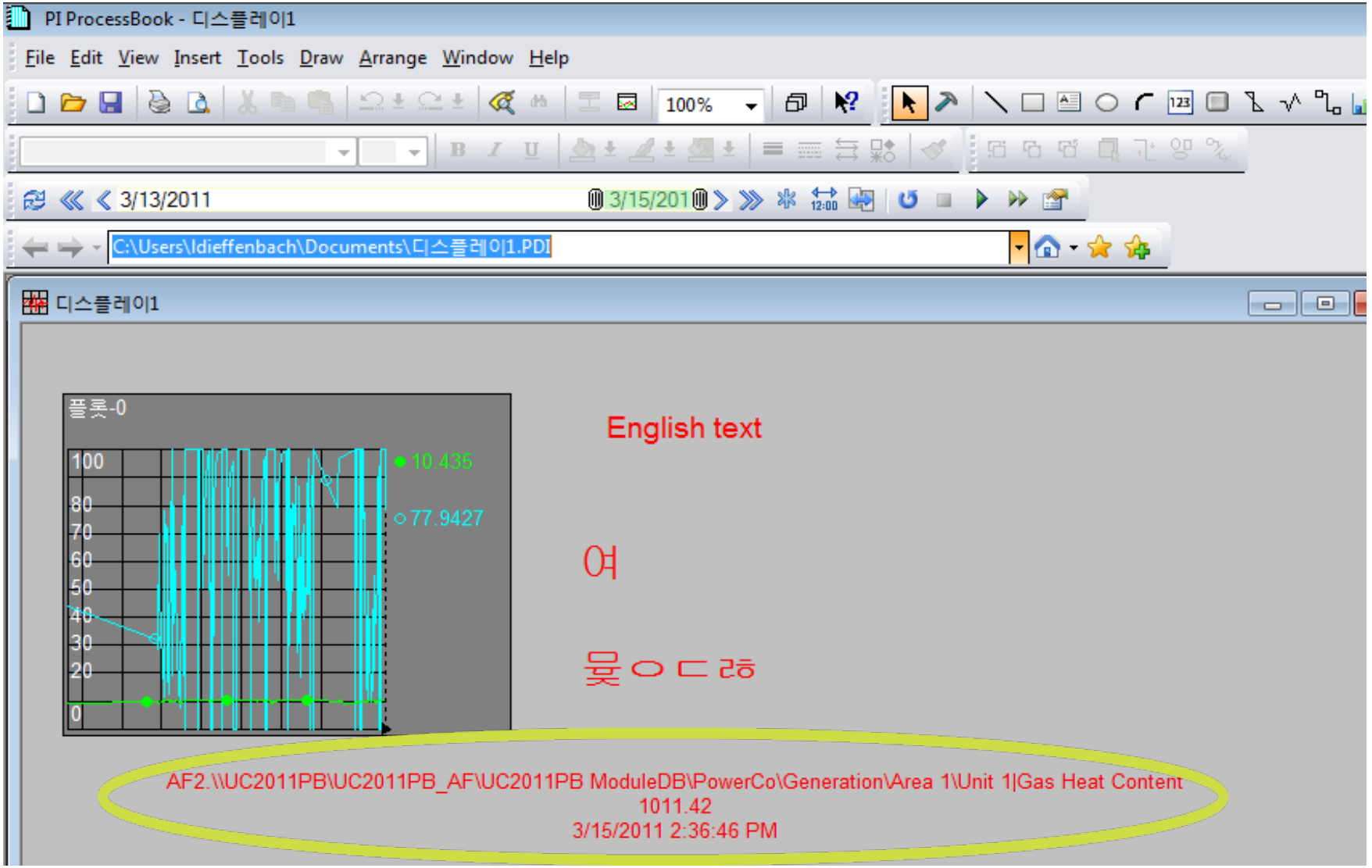
English Version with US Time Format



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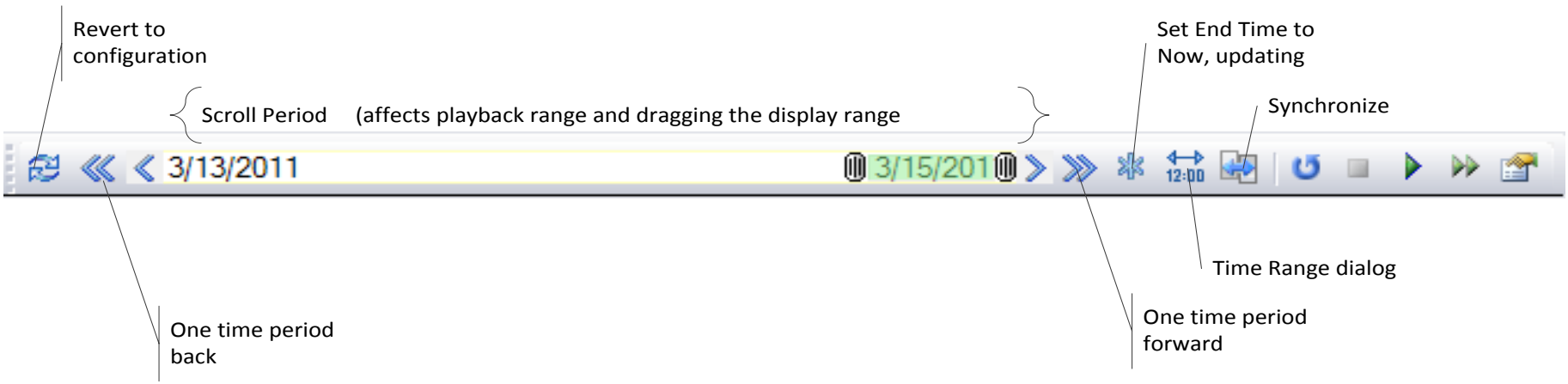
The new Time and Playback bar



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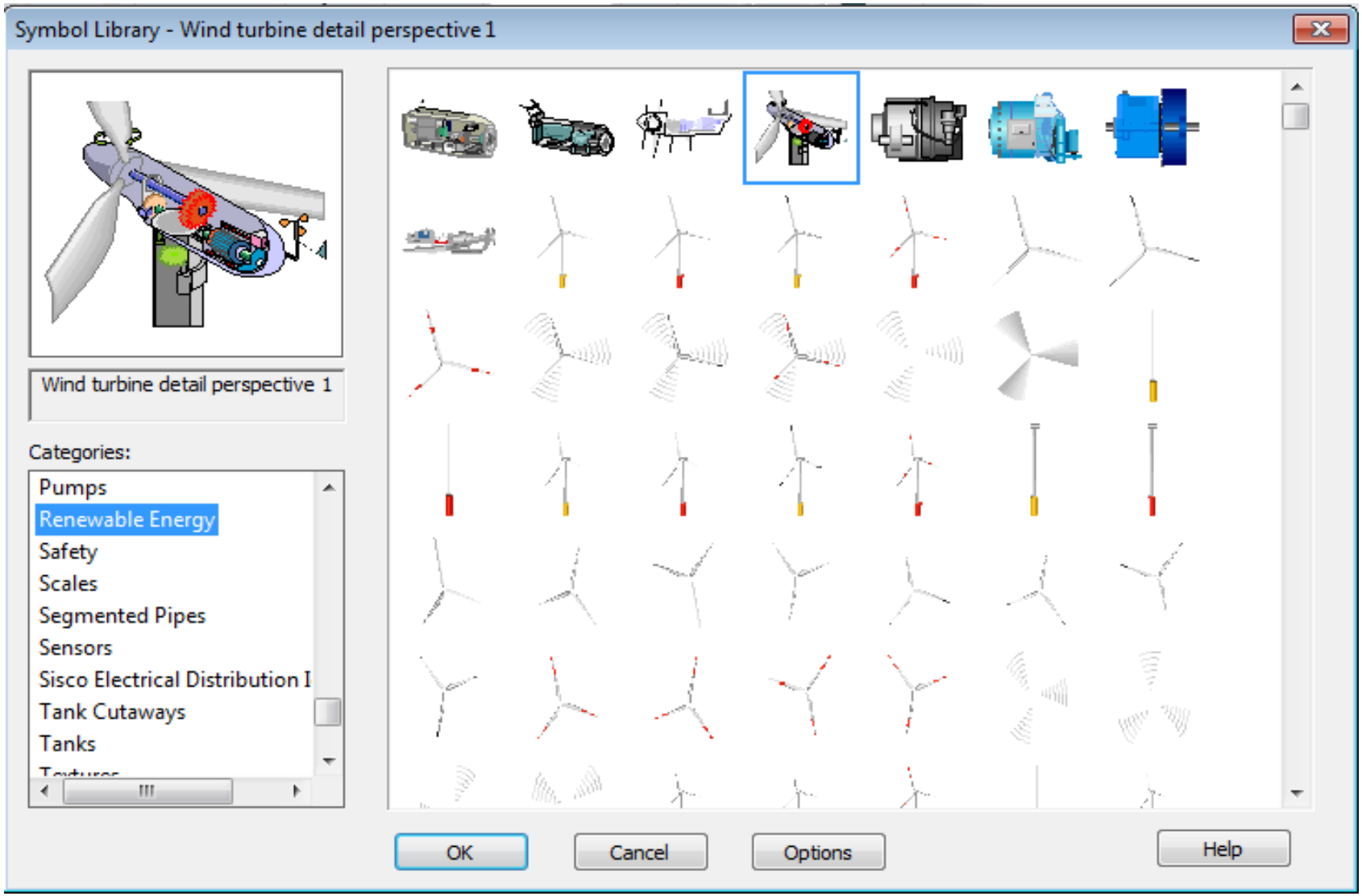
New Renewable Energy Images



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Strategic Directions

- Support new tools and products (e.g, interoperability, support event frames)

- Continue support for existing content

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PI WebParts:

Save time, save money, enjoy your life

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Characteristic of PI WebParts

It is for checking PI data by Web browser

You can check PI data any time

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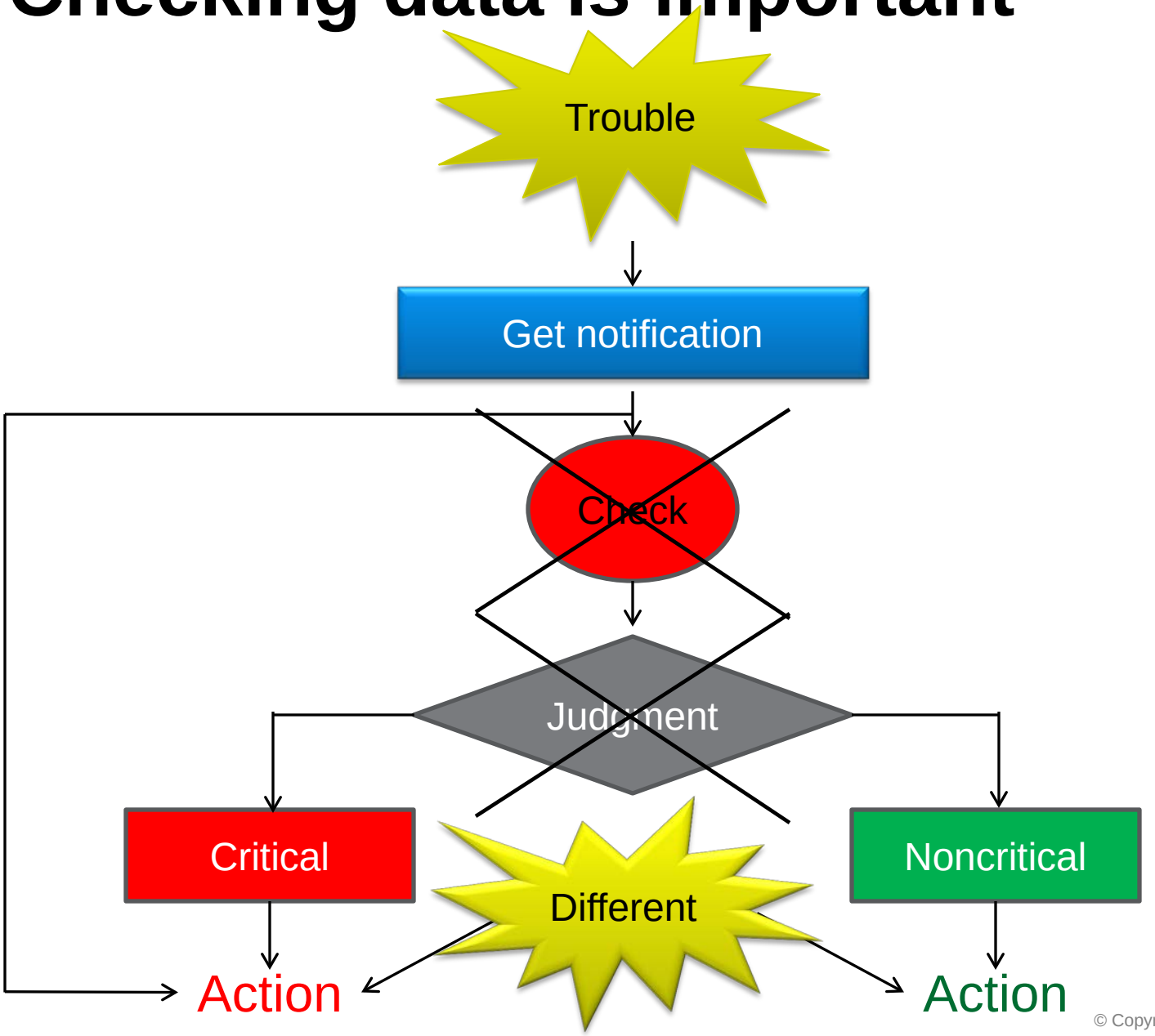
Checking data is important



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Example Situation

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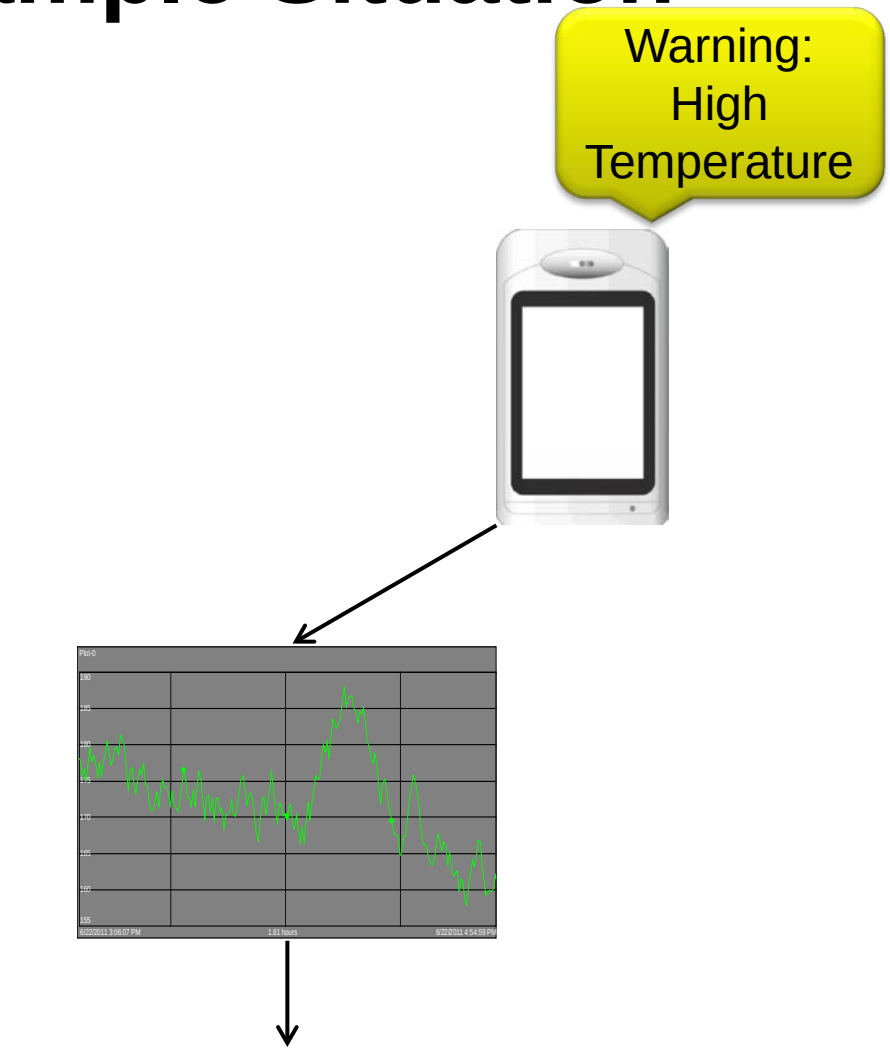
Example Situation



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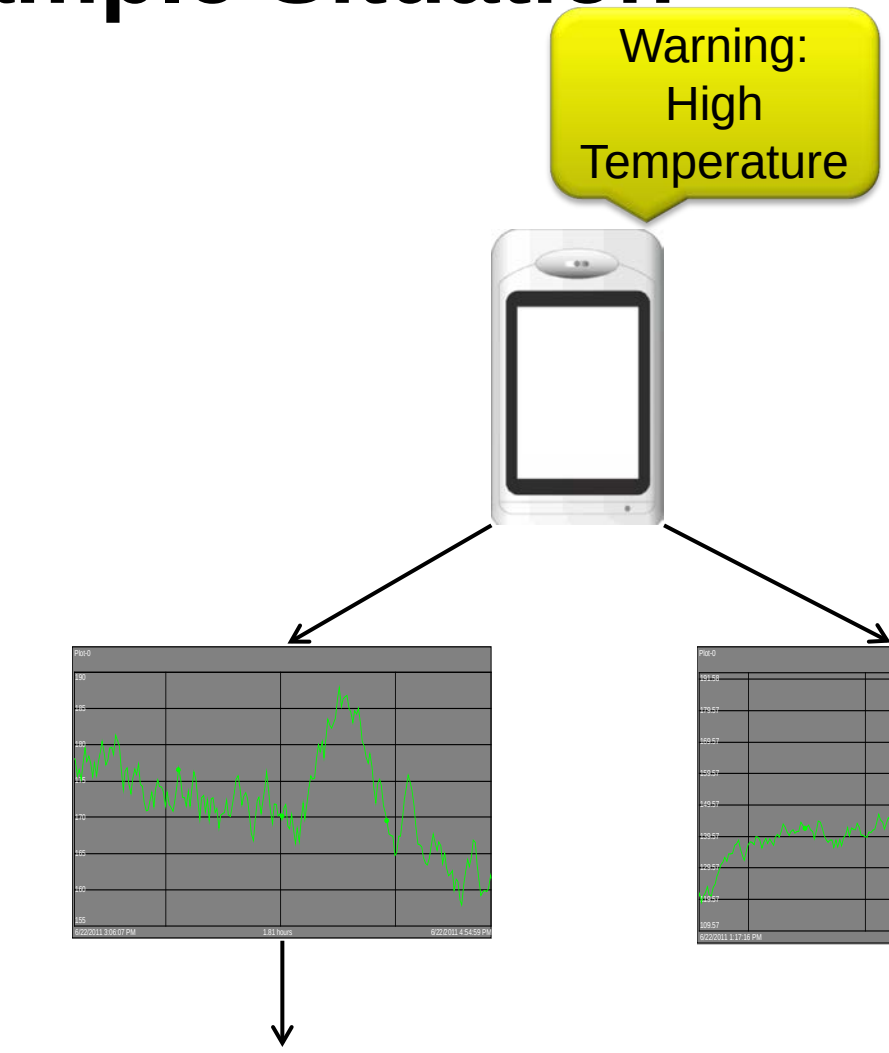
Example Situation



Benefits

- Save time
- Save money
- Minimize risk
- Minimize stress

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New Features:

Save time, increase the quality of job

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Let’s reduce your workload

When you want to add a new tank

- Previous version
  - Add a new tank to AF server
  - Edit PI WebParts

- New version
  - Add a new tank to AF server

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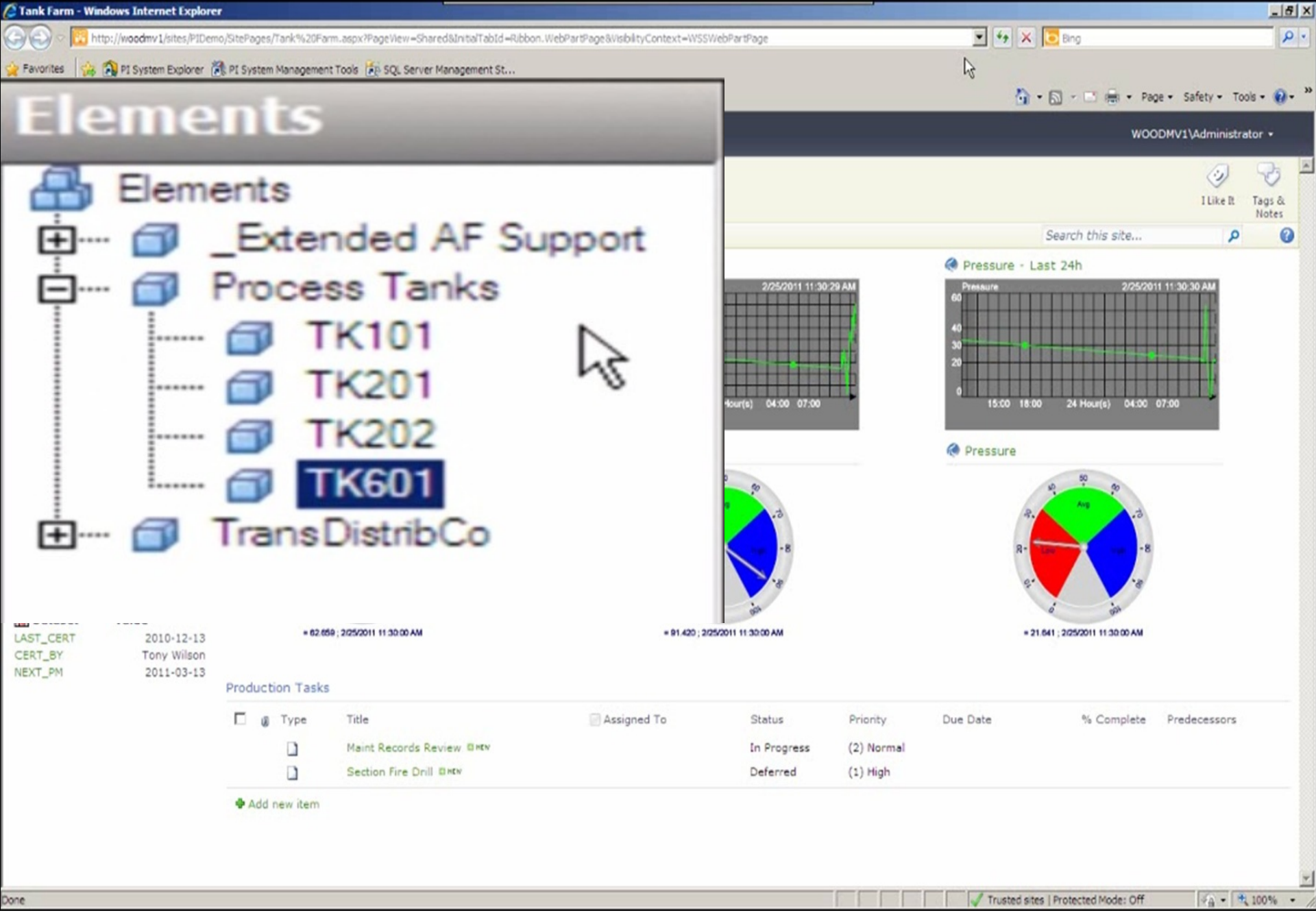

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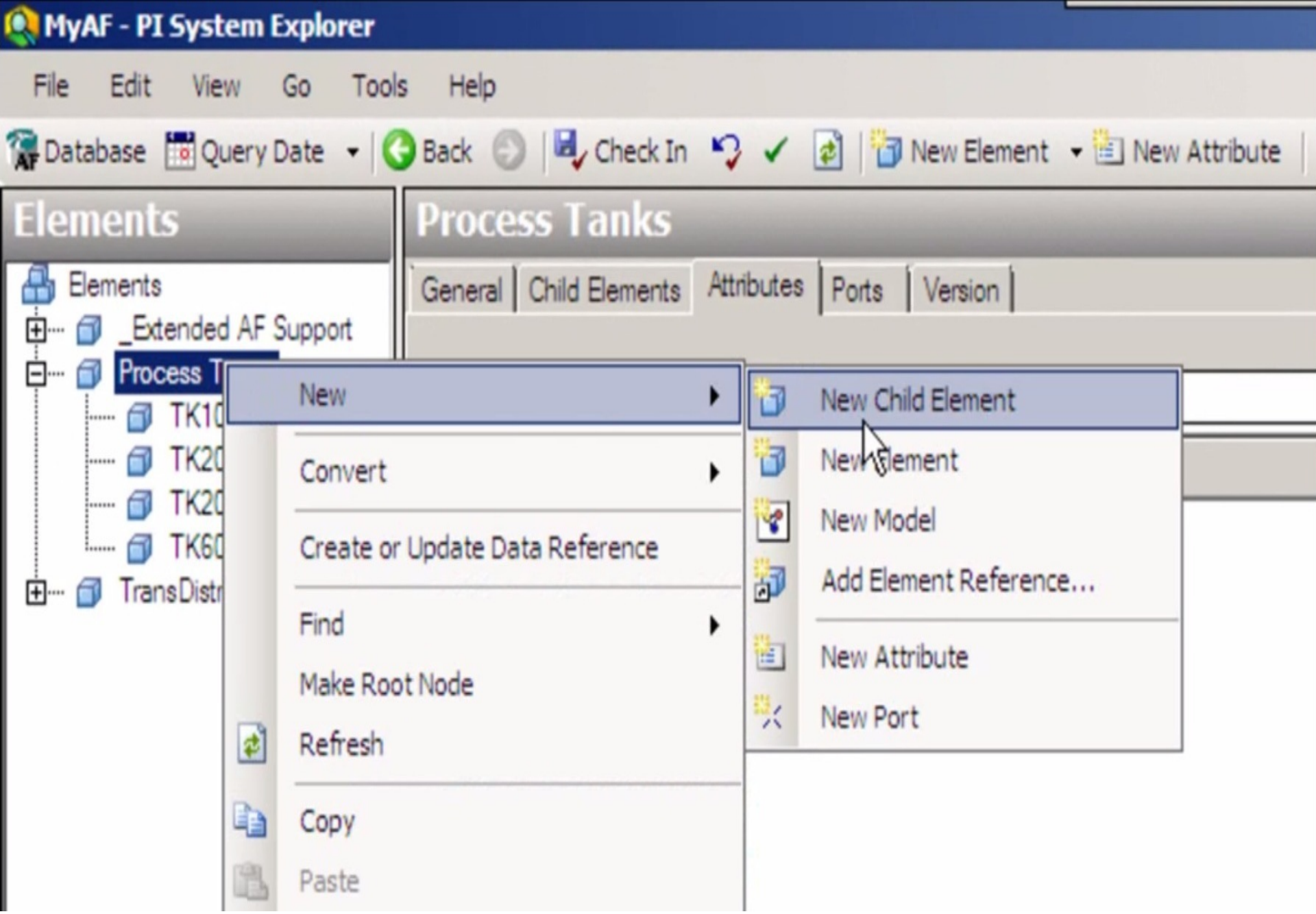

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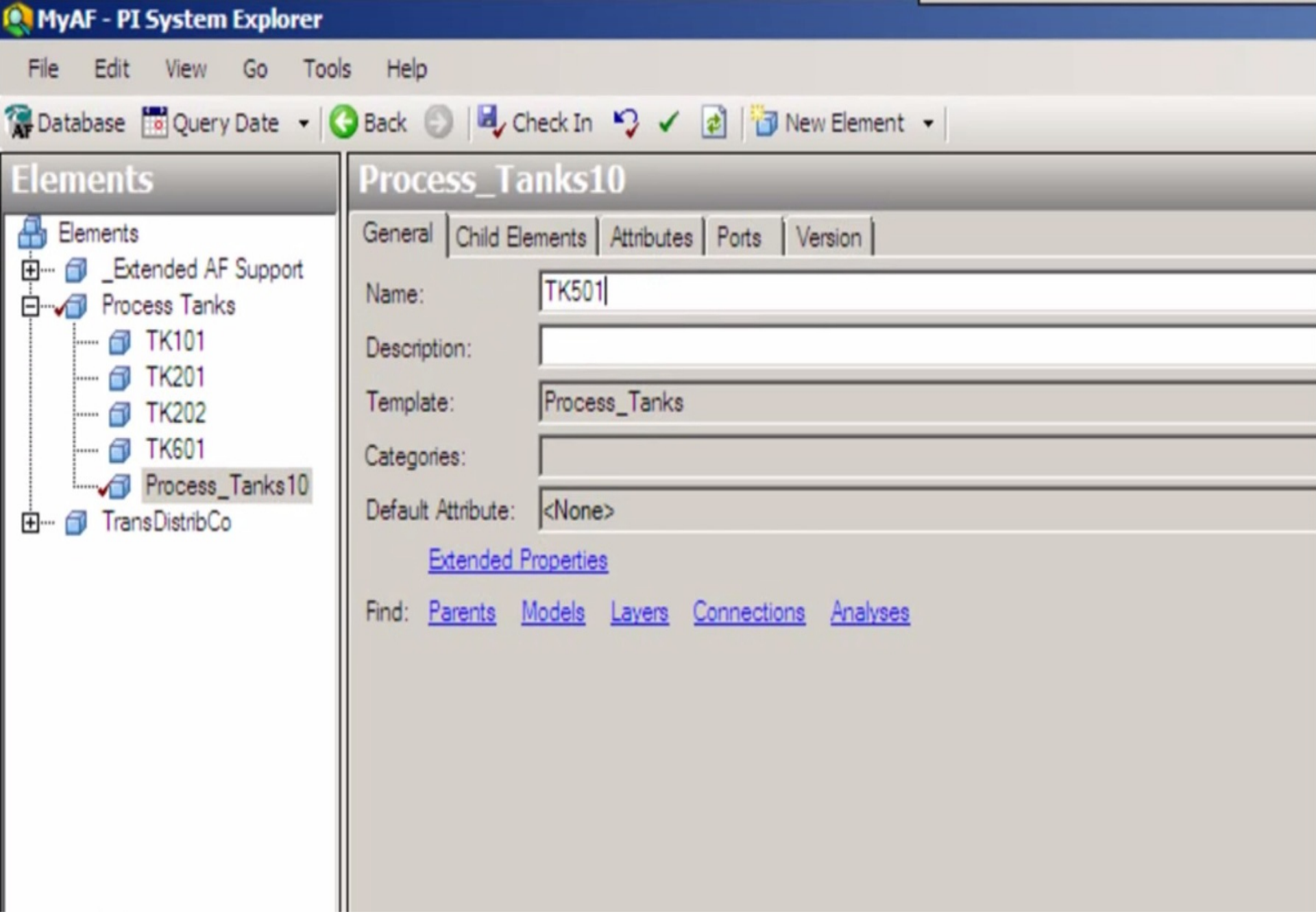

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Tank Farm - Windows Internet Explorer

http://woodmv1/sites/PIDemo/SitePages/Tank%20Farm.aspx

Favorites | PI System Explorer | PI System Management Tools | SQL Server Management St...

Tank Farm

Site Actions | Browse | Page

WOODMV1\Administrator

TransDistribCo › Tank Farm

PI Demo Site

I Like It | Tags & Notes

Home

Search this site...

Tank Farm

- Process Tanks
  - TK101
  - TK201
  - TK202
  - TK501
  - TK601

Equipment Header

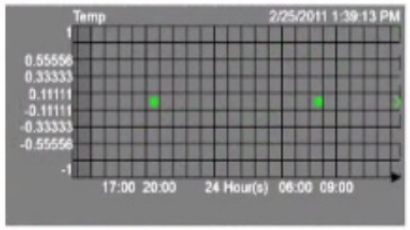
Dataset	Value
ISA_TAG	TK501
LOCATION	SOUTH
SERIAL_NUMBER	4399029
CONSTRUCTION	HAS
CAPACITY	440
MAX_TEMP	430
VENDOR	Vally Mills

PM Report

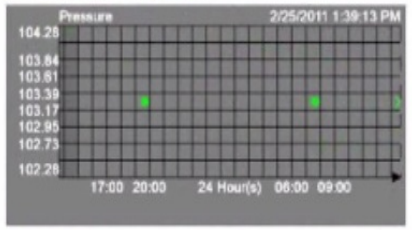
Dataset	Value
LAST_CERT	2010-09-17
CERT_BY	Harold Swain
NEXT_PM	2011-04-21

Level - Last 24h

Temp - Last 24h



Pressure - Last 24h



Level

Temperature

Pressure

Production Tasks

Type	Title	Assigned To	Status	Priority	Due Date	% Complete	Predecessors
	Maint Records Review NEW		In Progress	(2) Normal			
	Section Fire Drill NEW		Deferred	(1) High			

Add new item

Done | Trusted sites | Protected Mode: Off | 100%

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Summary

PI Client Updates

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PI WebParts

- If you use PI WebParts
  - Save money
  - Save time
  - Minimize risk
  - Minimize stress
  - Enjoy your life

- If you use new version of PI WebParts
  - Reduce workload
  - Save time

We recommend you to use the current version of PI WebParts

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PI DataLink

- Integration with PI AF

  “I want to access my PI System data without having to know about tags.”

- Search

  “I want to find relevant information quickly and easily.”

- Excel 2010 64-bit support

  “I want to leverage my investment in the latest technologies to maximize my productivity.”

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PI ProcessBook

- Enjoy the newest features of PI ProcessBook (v3.2)

- PI ProcessBook 2011 (v3.3)
  - Internationalization
  - Time handling tools
  - Deeper asset support
  - Some new symbol library images

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Thank you

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