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REGIONAL SEMINAR

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THAILAND

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THE WESTIN
GRANDE SUKHUMVIT HOTEL
BANGKOK



PI Client Updates

Presented by

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OSIsoft Asia Pte. Ltd.



Outline

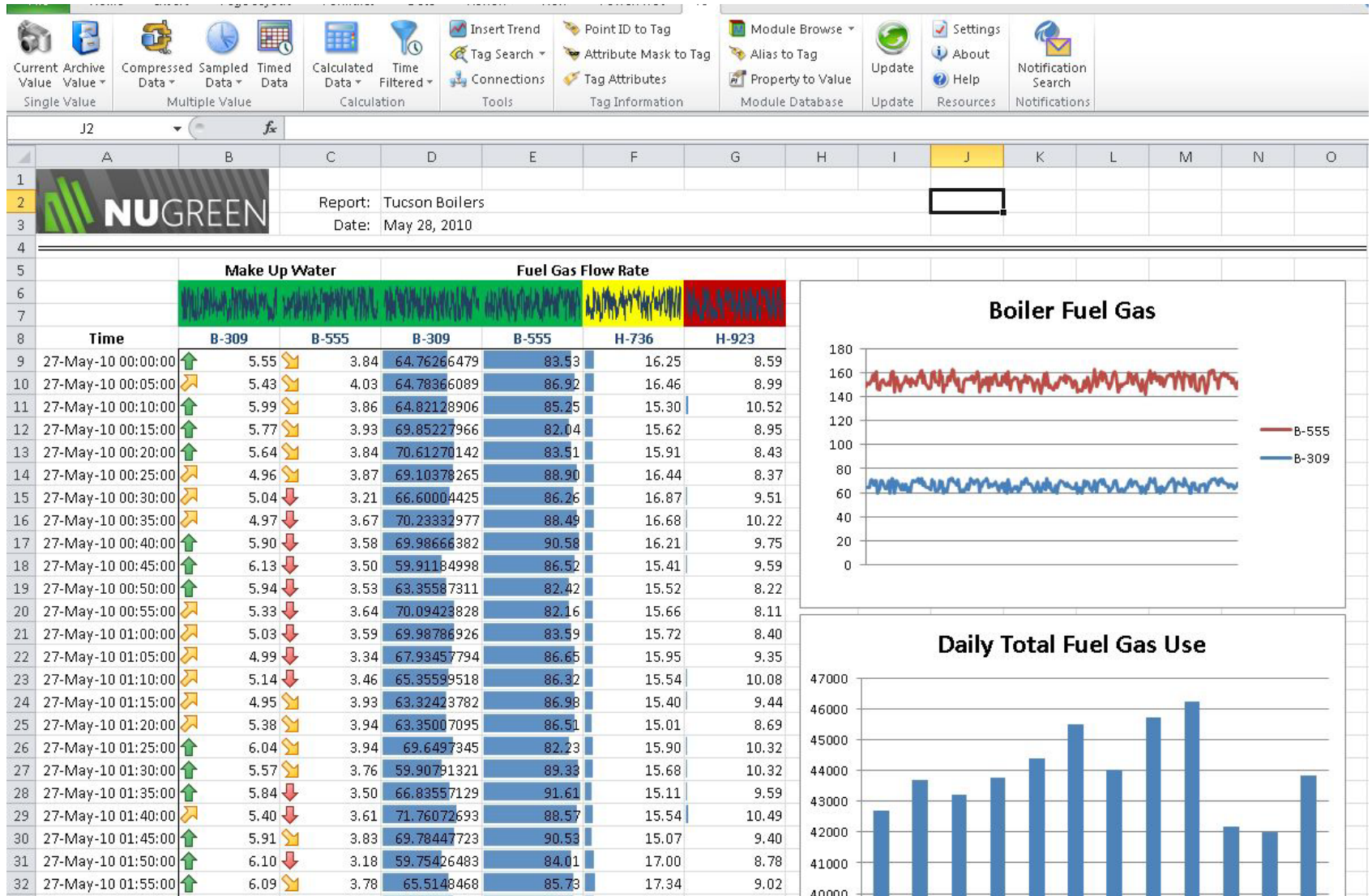
- PI DataLink
- PI ProcessBook
- PI WebParts



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

PI DataLink





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.”

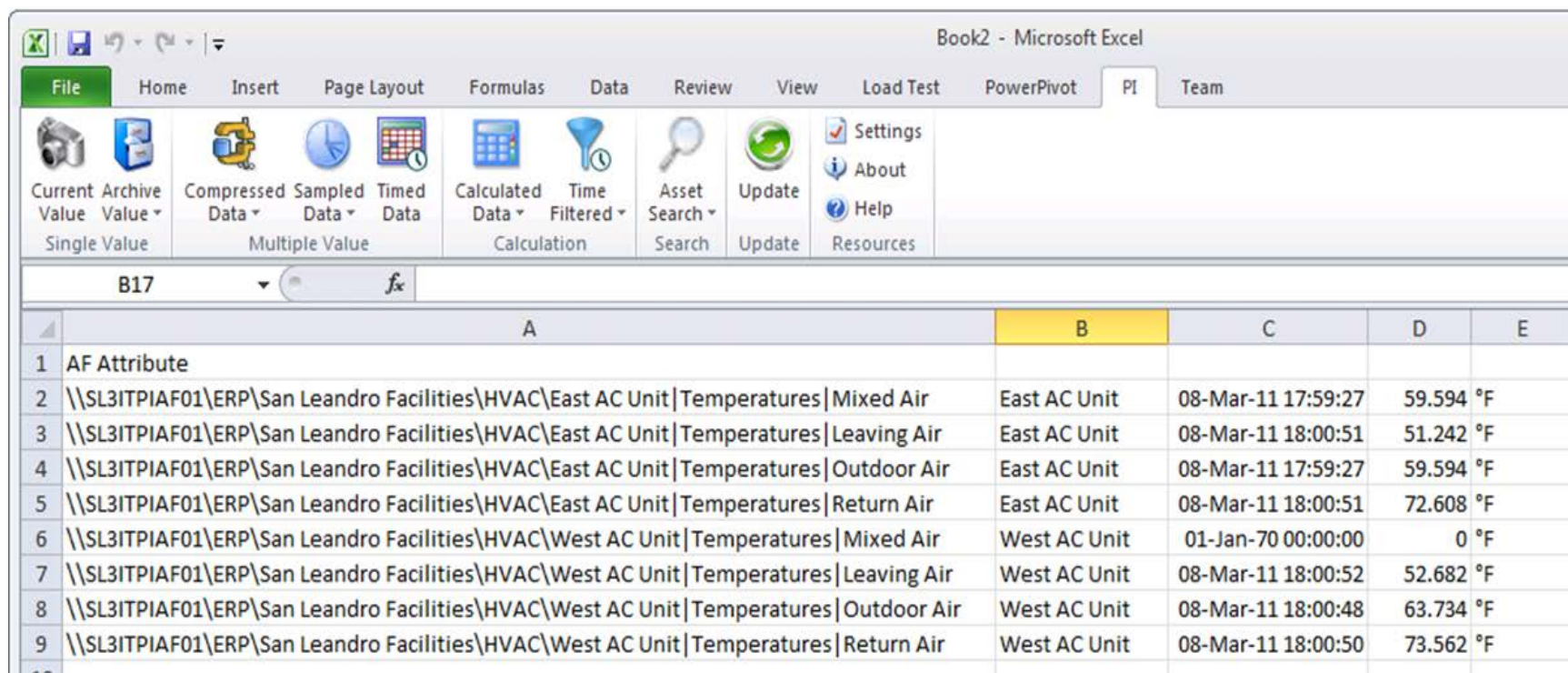


Disclaimer

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.

Integrated PI AF Experience

You already know how to use it ...



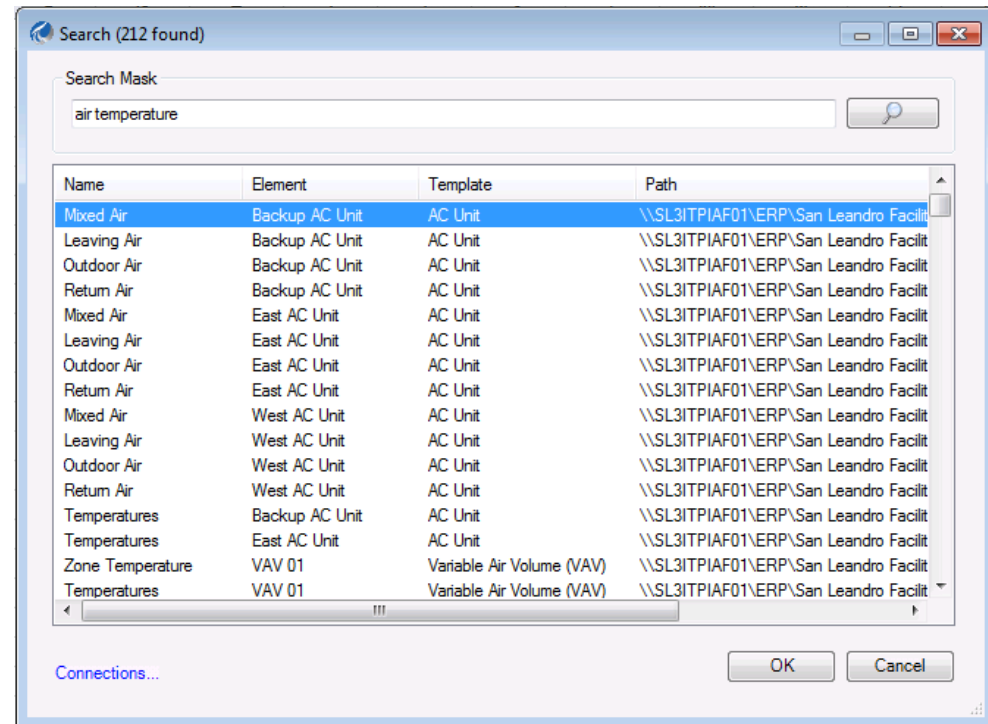
The screenshot shows the Microsoft Excel interface with the 'PI' ribbon selected. The ribbon contains several groups of icons for data management, including 'Current Value', 'Archive Value', 'Compressed Data', 'Sampled Data', 'Timed Data', 'Calculated Data', 'Time Filtered', 'Asset Search', 'Update', 'Settings', 'About', and 'Help'. Below the ribbon, a table of data is displayed, showing AF paths, attributes, and values.


	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

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.





Excel 2010 64-bit Support

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

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





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



Other Notables

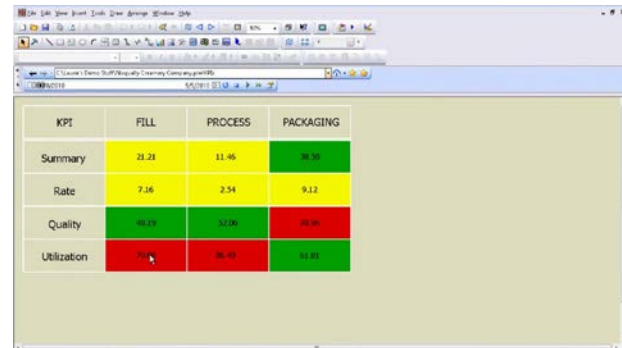
- Improved install experience
 - Single 32/64-bit kit
 - All pre-reqs included (no PIAs)
 - More reliable and easier to customize for large deployments
- Recent Highlights
 - Update Function
 - Internationalization



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

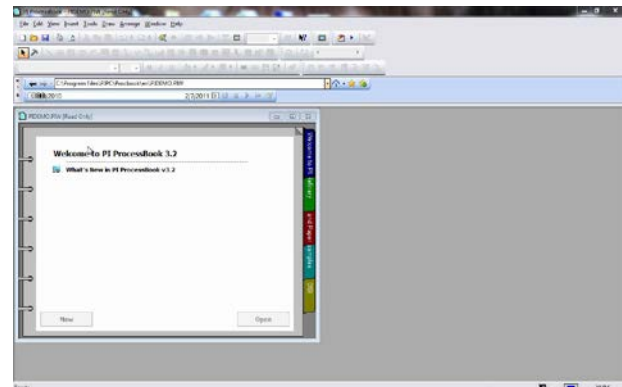
Best Current Features (v3.2)

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



The screenshot displays the PI Processbook v3.2 interface. A table with four columns (KPI, FILL, PROCESS, PACKAGING) and four rows (Summary, Rate, Quality, Utilization) is shown. The cells are color-coded: yellow for Summary and Rate, green for Quality, and red for Utilization.

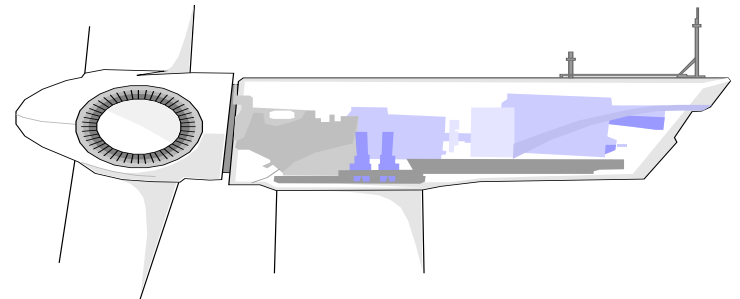
KPI	FILL	PROCESS	PACKAGING
Summary	22.28	11.46	26.30
Rate	7.16	2.54	9.22
Quality	98.73	97.06	99.96
Utilization	99.99	99.99	99.99



Short-term Plans

PI ProcessBook 2011 (v3.3)

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



Korean Language

Korean
version

The screenshot displays a software application window titled "디스플레이1" (Display1). The main area contains a graph titled "플롯-0" (Plot-0) with a y-axis ranging from 0 to 100. The graph shows a fluctuating blue line. To the right of the graph, the text "English text" is written in red. Below the graph, the text "여" (yeo) is written in red. At the bottom of the graph area, the text "못으 드려" (mot-eu deureo) is written in red. The graph area also displays the following text in red: "AF2.\UC2011PB\UC2011PB_AF\UC2011PB ModuleDB\PowerCo\Generation\Area 1\Unit 1\Gas Heat Content", "1011.62", and "2011-03-15 오후 2:43:16". A "P1 Language Settings Tool" dialog box is open in the foreground. The dialog box has two tabs: "언어 표시" (Language Display) and "언어 설정 정보" (Language Setting Information). The "언어 설정 정보" tab is selected. The dialog box contains the following text: "PI 데스크톱 응용 프로그램의 사용자 인터페이스에 대한 표시 언어를 설정합니다." (Set the display language for the PI desktop application's user interface.). There are three radio buttons: "설치 시 지정된 기본 표시 언어를 사용합니다 [한국어]" (Use the default display language specified at installation [Korean]), "현재 Windows 운영 체제 표시 언어와 일치하도록 설정합니다 [한국어]" (Set to match the current Windows operating system display language [Korean]), and "Windows 사용자 계정에 대한 다른 표시 언어를 선택하십시오." (Select a different display language for the Windows user account.). The "English" option is selected in the dropdown menu. At the bottom of the dialog box, there is a warning message in orange: "변경 내용을 적용하려면 모든 PI 응용 프로그램을 종료한 다음 다시 시작하십시오. 이 설정을 적용하면 선택한 언어가 모든 현지화된 PI 데스크톱 응용 프로그램에 적용됩니다." (To apply the changes, close all PI applications and restart the computer. Applying this setting will apply the selected language to all localized PI desktop applications.). The dialog box has "확인" (OK) and "취소" (Cancel) buttons. The Windows taskbar at the bottom shows the system clock as "2011-03-15 오후 2:43:16" and the system tray shows the "준비" (Ready) status, "서버 시간" (Server Time), and "NUM" indicator.

File Edit View Insert Tools Draw Arrange Window Help

100%

2011-03-13

C:\Users\Wdieffenbach\Documents\#디스플레이1.PDI

디스플레이1

플롯-0

100

80

70

60

50

40

30

20

10

0

10 1939

33.4336

English text

여

못으 드려

AF2.\UC2011PB\UC2011PB_AF\UC2011PB ModuleDB\PowerCo\Generation\Area 1\Unit 1\Gas Heat Content

1011.62

2011-03-15 오후 2:43:16

P1 Language Settings Tool

언어 표시 언어 설정 정보

PI 데스크톱 응용 프로그램의 사용자 인터페이스에 대한 표시 언어를 설정합니다.

☐ 설치 시 지정된 기본 표시 언어를 사용합니다 [한국어]

☐ 현재 Windows 운영 체제 표시 언어와 일치하도록 설정합니다 [한국어]

☒ Windows 사용자 계정에 대한 다른 표시 언어를 선택하십시오.

English

변경 내용을 적용하려면 모든 PI 응용 프로그램을 종료한 다음 다시 시작하십시오. 이 설정을 적용하면 선택한 언어가 모든 현지화된 PI 데스크톱 응용 프로그램에 적용됩니다.

확인 취소

준비

서버 시간

NUM

English Language

English
version

The screenshot displays the PI ProcessBook interface. The main window, titled 'PI ProcessBook - 디스플레이1', shows a plot area with a cyan line graph and a green line graph. The plot area contains the text '플롯-0' and '10.3537'. To the right of the plot, the text 'English text' is written in red. Below the plot, the text 'AF2.\UC2011PB\UC2011PB_AF\UC2011PB ModuleDB\PowerCo\Generati' and '1011.08' are visible, along with the timestamp '2011-03-15 오후 2:22:16'. The interface is in Korean, with the title bar and menu items in Korean. A thought bubble above the plot area contains the text 'English version'. Two dialog boxes are open: 'ProcessBook Preferences' and 'PI Language Settings Tool'. The 'ProcessBook Preferences' dialog box has tabs for 'General', 'Table of Contents', 'Display Window', 'Trend', and 'Trend Elements'. The 'PI Language Settings Tool' dialog box has tabs for 'Display Language' and 'About Language Settings'. The 'Display Language' tab is selected, and it shows options to set the user interface language for PI desktop applications. The options are: 'Use the default language specified at installation time [한국어]', 'Match the current Windows display language set for your operating system [English]', and 'Select a different language for your Windows user account'. The 'Select a different language for your Windows user account' option is selected, and a dropdown menu shows 'English' as the selected language. A message at the bottom of the dialog box states: 'The changes will take effect after you exit and restart application. The selected language applies to all localized PI desktop applications starting after this setting.'

English text

여

물이다

AF2.\UC2011PB\UC2011PB_AF\UC2011PB ModuleDB\PowerCo\Generati
1011.08
2011-03-15 오후 2:22:16

ProcessBook Preferences

General Table of Contents Display Window Trend Trend Elements

Author

Startup File

Library File

Prefer Run Mode Create Backup Files

Keep snapshot values on updating plots

Choose the language to use with PI desktop applications: Language Settings...

PI Language Settings Tool

Display Language About Language Settings

Set a user interface language for PI desktop applications:

Use the default language specified at installation time [한국어]

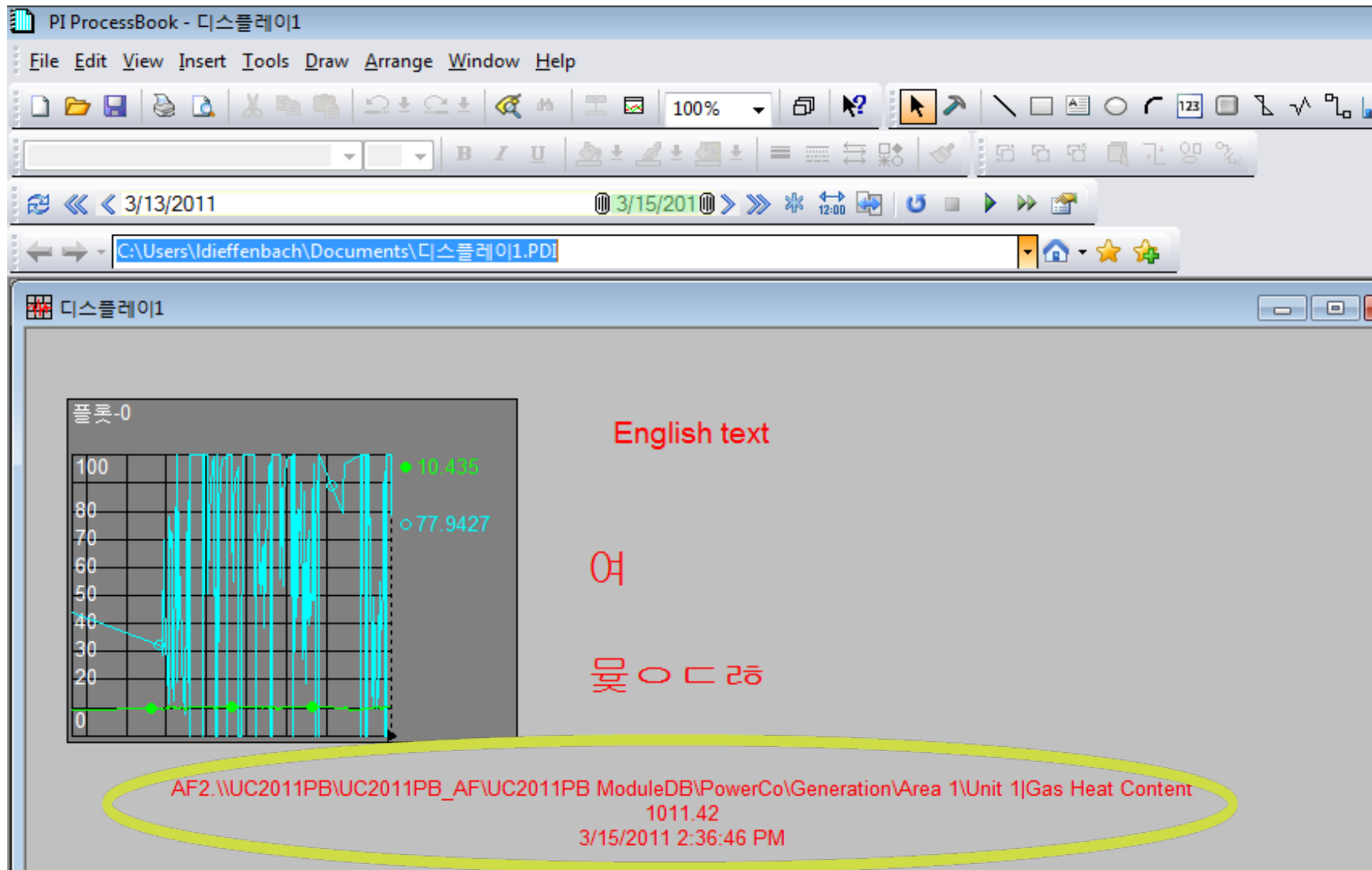
Match the current Windows display language set for your operating system [English]

Select a different language for your Windows user account

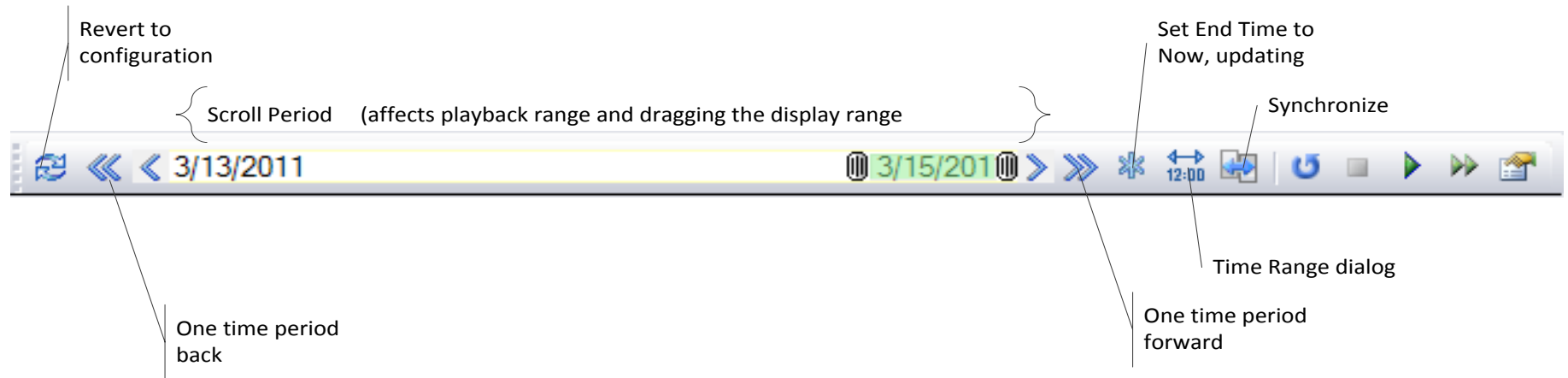
English

The changes will take effect after you exit and restart application. The selected language applies to all localized PI desktop applications starting after this setting.

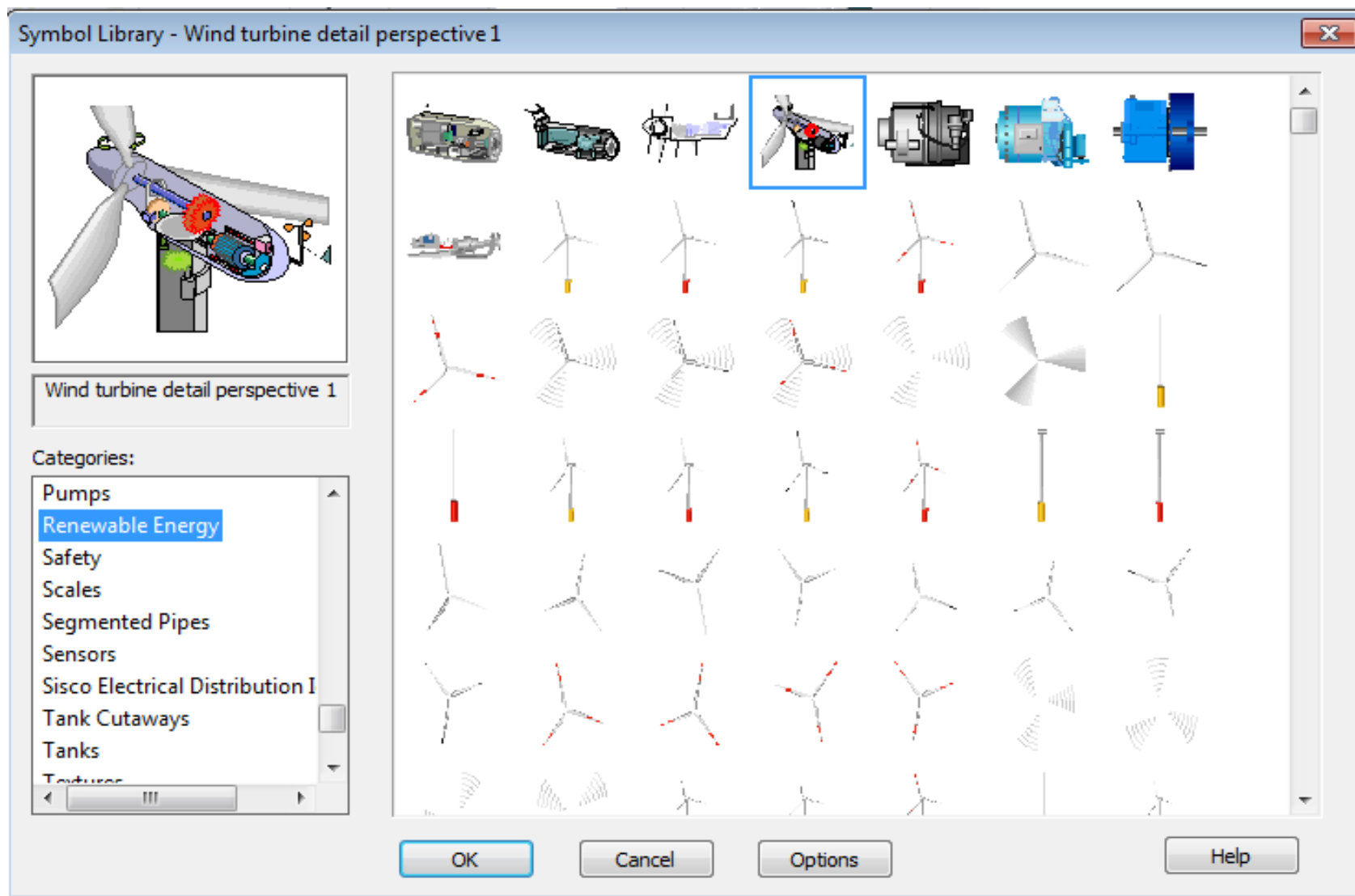
English Version with US Time Format



The new Time and Playback bar



New Renewable Energy Images





Strategic Directions

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



PI WebParts:

Save time, save money, enjoy your life

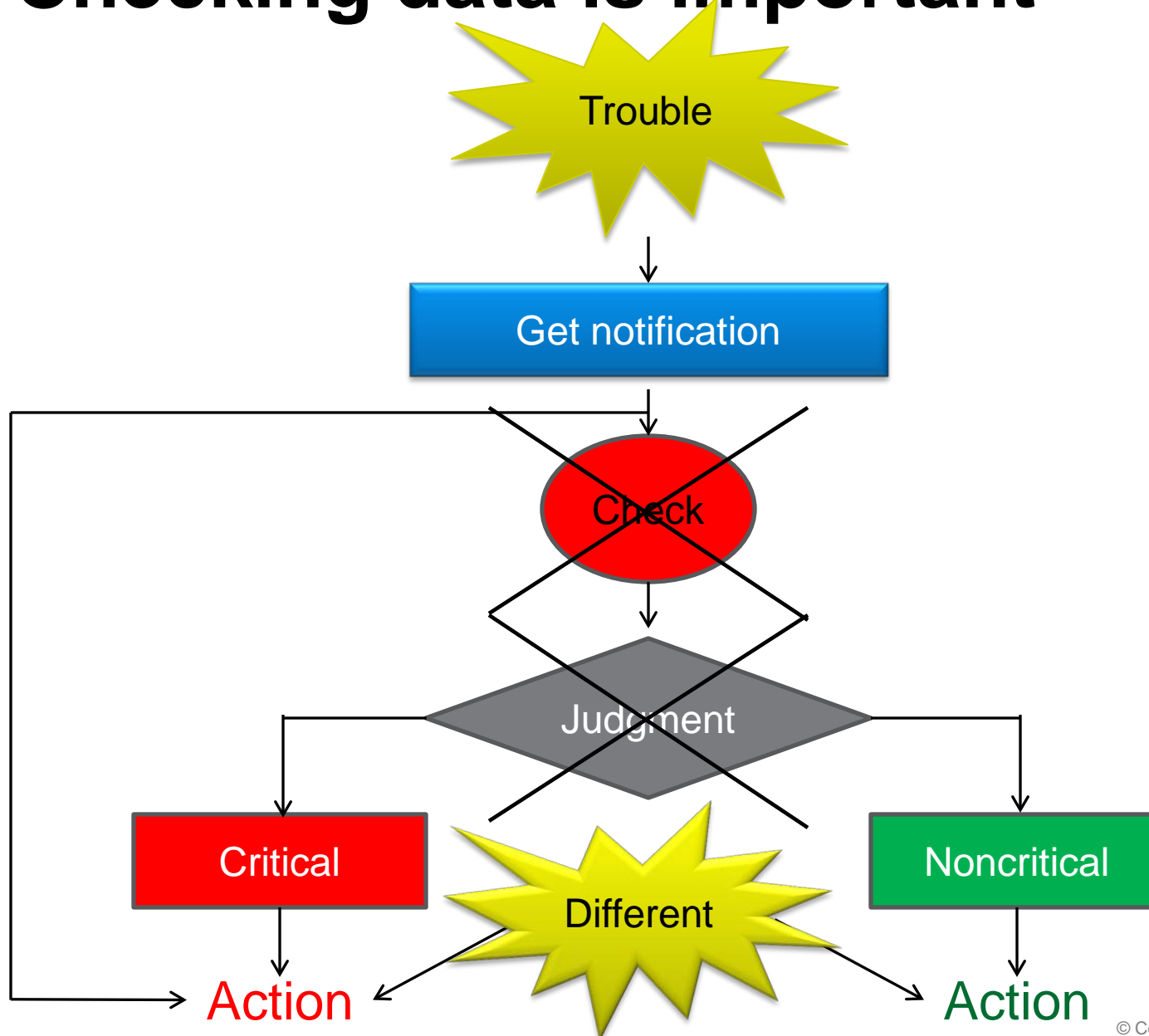
Characteristic of PI WebParts

It is for checking PI data by Web browser



You can check PI data any time

Checking data is important



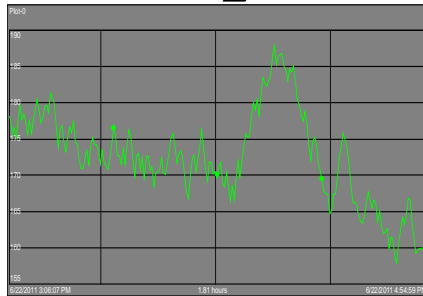
Example Situation





Example Situation

Warning:
High
Temperature



Keep eyes on a screen



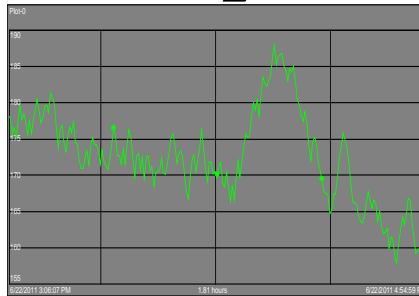
Example Situation

Warning:
High
Temperature



Benefits

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



Keep eyes on a screen



Take action immediately



New Features:

Save time, increase the quality of job

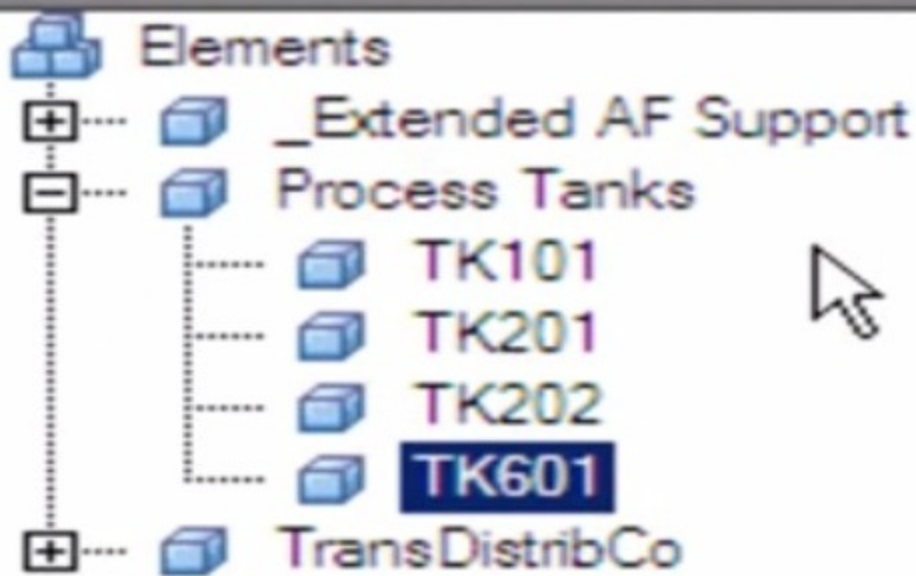


Let's reduce your workload

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

Elements



LAST_CERT 2010-12-13
 CERT_BY Tony Wilson
 NEXT_PM 2011-03-13

• 62.659 / 2/25/2011 11:30:00 AM

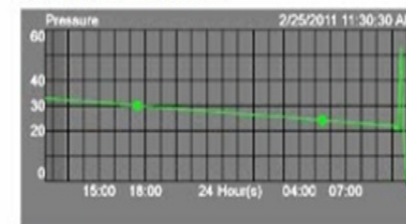
Production Tasks

<input type="checkbox"/>	Type	Title	<input type="checkbox"/> Assigned To	Status	Priority	Due Date	% Complete	Predecessors
<input type="checkbox"/>		Maint Records Review		In Progress	(2) Normal			
<input type="checkbox"/>		Section Fire Drill		Deferred	(1) High			

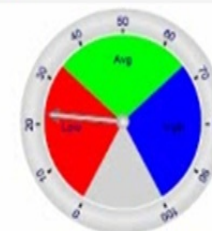
➤ Add new item



Pressure - Last 24h



Pressure



Elements

- Elements
- + ... _Extended AF Support
- ... **Process T**
 - TK10
 - TK20
 - TK20
 - TK60
- + ... TransDistr

Process Tanks

General Child Elements Attributes Ports Version

New

Convert

Create or Update Data Reference

Find

Make Root Node

Refresh

Copy

Paste

New Child Element

New Element

New Model

Add Element Reference...

New Attribute

New Port

Elements

- Elements
 - _Extended AF Support
 - Process Tanks
 - TK101
 - TK201
 - TK202
 - TK601
 - Process_Tanks10
 - TransDistribCo

Process_Tanks10

General Child Elements Attributes Ports Version

Name: TK501

Description:

Template: Process_Tanks

Categories:

Default Attribute: <None>

[Extended Properties](#)Find: [Parents](#) [Models](#) [Layers](#) [Connections](#) [Analyses](#)

Pressure - Last 24h

Pressure

* 0 : 2/25/2011 1:39:00 PM



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

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

 Add new item



Summary

PI Client Updates



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



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.”



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



Thank you