



# Manual Data Entry with PI Manual Logger

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# All Companies Collect Some Sort of Manual Data



- Data collection is usually done **in the plant**
- Many use **inefficient** paper records
- **Mobile devices** are increasing in popularity and new ones have emerged

# What is PI Manual Logger?

A set of tools to configure and execute **routine** manual data entry (**tours**)

- Validate entries
- Navigate collection for multiple values
- Option to require data review

2 sets of tools for:

- Data collection (**tour runs**) with mobile devices - **PI Manual Logger Mobile**
- Administration and configuration – **PI Manual Logger**



Disclaimer: OSIsoft does not endorse any device manufacturer or vendor; images shown are for illustration purpose only

# Example Data Collection Tours



Week 17 Power Rankings

Rank	Team	Points	Games	Win %
1	Alabama	100	14	.714
2	Oregon	80	14	.571
3	Washington	60	14	.429
4	Arizona	40	14	.286
5	California	20	14	.143
6	Colorado	10	14	.071
7	Florida	0	14	.000
8	Georgia	0	14	.000
9	Illinois	0	14	.000
10	Indiana	0	14	.000
11	Iowa	0	14	.000
12	Kansas	0	14	.000
13	Michigan	0	14	.000
14	Minnesota	0	14	.000
15	Missouri	0	14	.000
16	Nebraska	0	14	.000
17	Nevada	0	14	.000
18	New York	0	14	.000
19	North Carolina	0	14	.000
20	Ohio	0	14	.000
21	Oklahoma	0	14	.000
22	Pennsylvania	0	14	.000
23	Texas	0	14	.000
24	Utah	0	14	.000
25	Virginia	0	14	.000
26	Washington State	0	14	.000
27	Wisconsin	0	14	.000
28	Wyoming	0	14	.000

# Top Needs for Manual Data Collection

- When data isn't collected at a desk
- Want to easily carry data collection device
- Require a safe, rugged device for harsh environments
- Data entry has to be efficient, accurate, and simple
- Network connections may be unavailable or unreliable

## 2 Options with PI Manual Logger Mobile

### PI ML Mobile (2012)

- Windows Mobile 2003 SE to 6.x devices
- Local install on the device
- Ruggedized device options, becoming obsolete
- Works with PI Manual Logger 2014 tours



### PI ML Web (2014 or 2014 R2)

- Supports ANY device with an HTML5-compatible browser

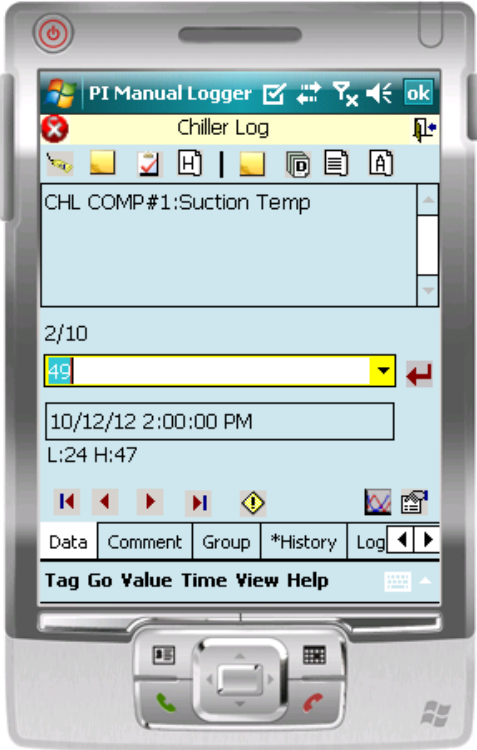


- Installed on a web server
- Newest release supports 9 languages (R2)

See the [Product Overview](#) page on Tech Support web site for specific comparison

OSIsoft does not endorse any particular hardware

# PI Manual Logger Mobile 2012



# PI Manual Logger Web 2014

**PI Manual Logger**

TOURS Online

Save | Pump Vibrations and Temperatures

Cancel Save

Tour Run: Apr 1, 2014, 02:48:36 pm

Navigate to remaining items only

# 1 of 8 (7 remaining)

**Pump P250 Vibrations**  
South Reflux Pump 1 Pump1  
Vibration reading for south reflux pump

**Instructions**  
Collect the vibration reading from the South Reflux Pump P250

**Value (In/Sec)**  
1

**Limits violated: H(0.5)**  
H:0.5  
Previous: .56 - Mar 6, 2014, 03:18:46 pm

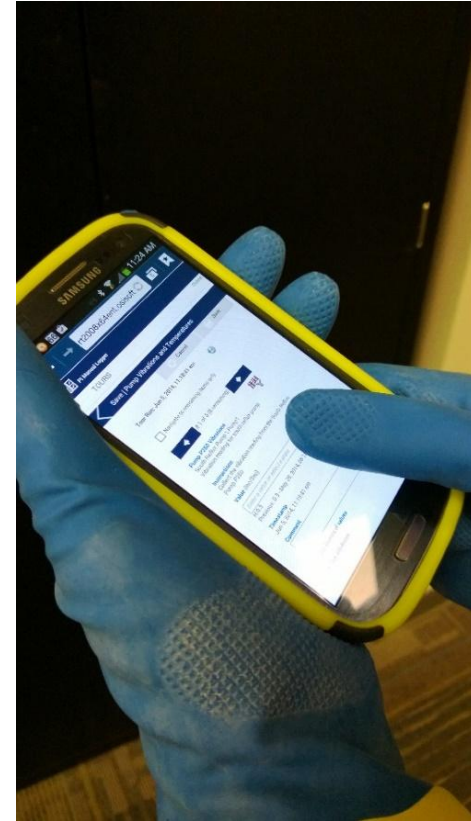
**Timestamp**  
Apr 1, 2014, 02:48:41 pm

**Comment**

See historical values

- 0.59 - Feb 18, 2014, 05:09:41 pm
- 7 - Feb 12, 2014, 01:54:18 pm - The steam value blew
- Unit Down - Feb 11, 2014, 01:28:21 pm
- 0.54 - Feb 11, 2014, 11:06:04 am
- 0.54 - Feb 11, 2014, 11:03:53 am
- 0.4 - Feb 7, 2014, 08:09:27 am
- Unit Down - Feb 5, 2014, 05:03:56 pm
- 0.54 - Feb 6, 2014, 02:24:16 pm
- 0.54 - Feb 4, 2014, 02:16:56 pm
- 0.46 - Feb 4, 2014, 01:54:38 pm

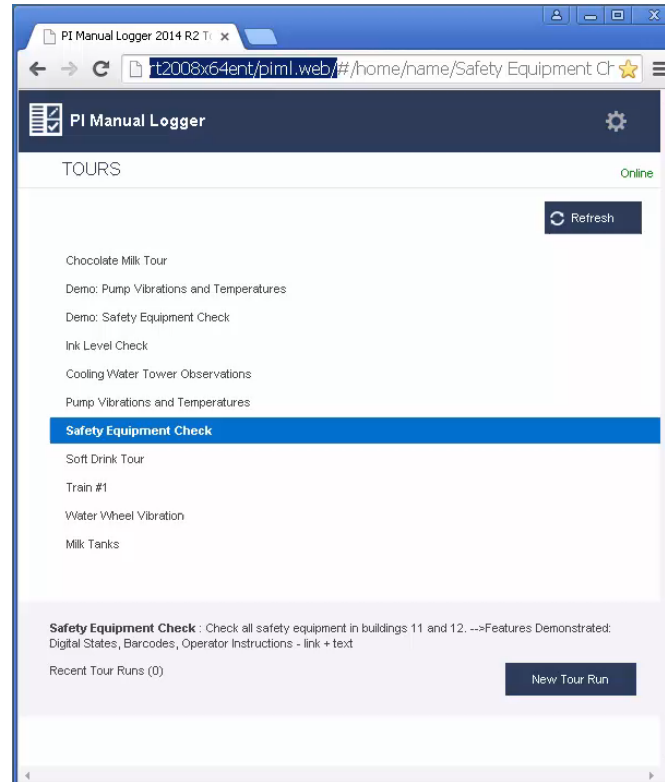
See attributes







# Select a Value from a List



# Set the Time

The screenshot shows a web browser window with the title 'PI Manual Logger 2014 R2 T1'. The address bar contains the URL 'rt2008x64ent/piml.web/#/tourrun/5c21e3d9-c63d-4f79-84c'. The page header is 'PI Manual Logger' and the main content area is titled 'TOURS' with a status of 'Online'. A navigation bar at the top of the form contains 'Save | Safety Equipment Check' and buttons for 'Cancel' and 'Save'. The form content includes:

- Tour Run:** August 25, 2015 1:30:00 PM
- Navigate to remaining items only
- Navigation controls: a left arrow button, the text '# 3 / 8 (5 remaining)', and a right arrow button.
- SF:EYE-11.ML**  
Building 11  
Eyewash - West Bldg 11
- Instructions**  
Eyewash Inspection Procedures: Check operation and ensure that eye wash cover is in place.
- Value**  
A dropdown menu with 'Good' selected.  
Previous: Needs Repair - February 9, 2015 11:00:00 AM
- Timestamp**  
August 25, 2015 1:30:00 PM
- Comment**  
A text input field.
- [See historical values](#)

# Scan a Barcode to Navigate

08 25 2015

5 1:00:00 PM

only

ng) →

Cancel Save

Scan or enter a barcode

# 1 / 9 (9 remaining)

← →

**SF:AP-11.ML**  
Building 11  
Air Pack - West B

**FIREXT-12** ✓

Tour Run: September 23, 2015 1:00:00 PM

Navigate to remaining items only

← # 7 / 9 (9 remaining) →

**SF:EXT-12.ML**  
Building 12  
Fire Ext. - South Bldg 12 - CO2 ✓

**Instructions**  
file:///c:/FireExtinguisherInspectionProcedures.txt

# Scanning Devices are Available in Different Forms

Separate



Integrated



# Enter Multiple Values at Once with the Desktop Version

The screenshot displays the 'PI Manual Logger - [Data Entry - Lab Test Results]' application window. The interface includes a menu bar (PIML, Tours, Mobile Devices, Tools, MobilePC, Window, Help) and a toolbar with tabs for 'Data Entry Form', 'Data Entry Sheet', 'Tag Group', and 'Audit Log'. A 'Tour Run Info' panel on the left shows 'Tour Name' and 'Lab Test Results'. A 'Tag Info' panel on the right shows 'Tag Attributes', 'Previous Values', and 'Add'. The main data entry area features a table with the following columns: Tag Name, Tag Description, Value, Comment, and TimeStamp. The table contains four rows of data, with the first row selected. A status bar at the bottom indicates '4 empty tags' and 'Finished loading tour run data into displays.' The system tray shows the taskbar with 'piml', 'DFSQ (PimlWindowsWME3)', and 'DFPIServer1 (PIOperators | PEngineers | PIWorld)'.

Tag Name	Tag Description	Value	Comment	TimeStamp
Growth Media.Tank 1.pHTestResult	pHTest result of growth media Tank1			9/22/2015 12:00:00
Growth Media.Tank 2.pHTestResult	pH Test result in growth media tank2			9/22/2015 12:00:00
Harvest Media.Tank 1.pHTestResult	phTest in harvest media tank1			9/22/2015 12:00:00
Harvest Media.Tank 2.pHTestResult	phTest result for harvest media tank2			9/22/2015 12:00:00



# Configuration, not Code

# Using the Desktop app

- Configure general settings
  - Which SQL Server is used to store settings and data before it gets sent to PI Data Archive
  - Which PI Data Archive will receive data
- Configure routine data collection including:
  - Order
  - Limits
  - Timestamp handling
  - Barcode settings
  - Review requirements
  - Security
- Enter data, including using a grid for quick sequential entry
- Review data, including reviewing limit violations and making any corrections
- Send data to PI Data Archive





# Configure the List of Values

The screenshot shows the 'PI Manual Logger - [Select a Tour]' application window. On the left, a 'Search Options' dialog is open, featuring a 'Filter by Tour Name' text box and a 'List Options' section with radio buttons for 'Show only my tours' (selected) and 'Show all tours'. The main area displays a 'Tour List' table with the following data:

Tour Name	Tour Description	Full Permission Group	Data Entry Only Per...	Last Modified Time	Last Modified By
Lab Test Results	Entering test results from Lab tests	PIMLADMINS	PIMLUsers	3/5/2015 3:44:36 ...	pinl
Chief Fermenters		PIMLADMINS	PIML Demo	3/5/2015 10:03:5...	pinl
test12		PIMLADMINS	PIML Demo	3/5/2015 10:00:2...	pinl
Chiller Log	Daily Chiller Log	PIMLADMINS	PIMLUsers	3/5/2015 9:45:35 ...	pinl
Cooling Water Tower Obs...	Cooling water tower observations ...	PIMLADMINS	PIMLUsers	3/5/2015 9:45:10 ...	pinl
Safety Equipment Check	Check all safety equipment in bul...	PIMLADMINS	PIMLUsers	3/5/2015 9:44:51 ...	pinl
Train #1	Collection of bearing data for Tra...	PIMLADMINS	PIMLUsers	3/5/2015 9:44:34 ...	pinl
Soft Drink Tour	Scanning barcodes from different ...	PIMLADMINS	PIMLUsers	3/5/2015 9:44:12 ...	pinl
Test Max		PIMLADMINS	PIML Demo	3/5/2015 9:43:41 ...	pinl
test3r		PIMLADMINS	PIML Demo	3/5/2015 9:43:26 ...	pinl
Heat Exchangers Survey	Daily tour to survey heat exchang...	PIMLADMINS	PIML Demo	3/5/2015 9:40:57 ...	pinl
Chiller Run	Data for the Chillers	PIMLADMINS	PIML Demo	3/5/2015 9:40:33 ...	pinl
Chiller Log Mariana	Daily chiller Log Tour for chiller C...	PIMLADMINS	PIML Demo	3/5/2015 9:39:22 ...	pinl
SecurityTest		PIMLADMINS	PIML Demo	3/5/2015 9:39:08 ...	pinl
Production_Line1		PIMLADMINS	PIML Demo	3/5/2015 9:35:15 ...	pinl
Sample Tour		PIMLADMINS	PIML Demo	3/5/2015 9:34:41 ...	pinl
Janelles Demo		PIMLADMINS	PIML Demo	3/5/2015 9:34:22 ...	pinl
Manual Entry Data Demo		PIMLADMINS	PIML Demo	3/5/2015 9:31:12 ...	pinl
Barcodes		PIMLADMINS	PIML Demo	3/5/2015 9:30:50 ...	pinl
Tour of the Back 40	Gotta manually collect some data ...	PIMLADMINS	PIMLUsers	3/5/2015 9:30:12 ...	pinl
Downtime Details		PIMLADMINS	PIML Demo	3/5/2015 9:20:03 ...	pinl
Oil Well Survey	Fort McMurray OW-206 survey.	PIMLADMINS	PIMLUsers	3/5/2015 9:17:09 ...	pinl
Wind Turbine Survey	Instruments Verification (RS2013)	PIMLADMINS	PIMLUsers	3/5/2015 9:16:47 ...	pinl
Pump Vibrations and Temp...	Plant Equipment Vibrations and T...	PIMLADMINS	PIMLUsers	3/5/2015 9:15:03 ...	pinl
San Francisco Pump Vibra...		PIMLADMINS	PIML Demo	3/5/2015 9:14:27 ...	pinl
JC Compressor		PIMLADMINS	PIML Demo	3/5/2015 9:14:03 ...	pinl
Test B		PIMLADMINS	PIML Demo	3/5/2015 9:12:10 ...	pinl
Test A		PIMLADMINS	PIML Demo	3/5/2015 9:11:53 ...	pinl
Mining Trucks		PIMLADMINS	PIMLUsers	6/11/2014 10:45:...	pinl
Bighorn Transformers	Manual Entries for Bighorn substa...	PIMLADMINS	PIMLUsers	8/23/2013 3:13:5...	pinl
Pumps		PIMLADMINS	PIMLUsers	4/23/2013 1:16:5...	pinl

The bottom of the window shows a taskbar with icons for 'Search Options', 'New Tour...', 'Delete', 'Open', 'Save As', 'Close', 'Import', and 'Export'. The system tray at the bottom left shows 'piml', 'DFSQ (Pim\WindowsWME3)', 'dfpiserver1 (PIOperators | PIWorld)', and '31 tours loaded'. The bottom right corner displays 'PI Manual Logger 2014'.

# Configure Time Options

The screenshot displays the 'PI Manual Logger - [Tour Configuration - Lab Test Results]' window. The interface is divided into several panes:

- Tour Info:** Contains fields for 'Tour Name' (Lab Test Results), 'Tour Description' (Entering test results from Lab tests), 'Full Access Group' (PIMLADMINS), 'Data Entry Group' (PIMLUsers), 'Tour Comment Tag', and 'Tour Scheduling'. A 'Notes' section at the bottom provides instructions on using the tour on a desktop or tablet.
- Tag Configuration:** Features five limit settings, each with a text input field, a 'Set...' button, and a help icon:
  - LoLo Limit: [Empty]
  - Low Limit: 0
  - High Limit: 14
  - HHI Limit: [Empty]
  - Delta Limit: |
- Tag Attributes:** A table showing details for the selected tag:

Attribute	Value
Tag Name	Growth Media.Tank 1 pHTest
Tag Descriptor	pHTest state of growth media Tank 1
Eng. Unit	
Point Type	String
Zero	0
Span	100
DisplayDigits	3
- Tag List View:** A tree view showing a hierarchy of tags: Growth Media Tanks > Growth Media.Tank 1 pHTest > Growth Media.Tank 2 pHTest > Harvest Media Tanks.

The status bar at the bottom indicates the user is logged in as 'dfpiserver1 (PIOperators | PIWorld)' and that 31 tours are loaded. The software version is 'PI Manual Logger 2014'.

# Barcode Configuration

The screenshot displays the 'PI Manual Logger - [Select a Tour]' application window. The interface includes a menu bar (PIML, Tours, Mobile Devices, Tools, MobilePC, Window, Help), a search options panel on the left, and a main table titled 'Tour List'. The search options panel has a 'Filter by Tour Name' field and 'List Options' with radio buttons for 'Show only my tours' (selected) and 'Show all tours'. The 'Tour List' table contains the following data:

Tour Name	Tour Description	Full Permission Group	Data Entry Only Per...	Last Modified Time	Last Modified By
Lab Test Results	Entering test results from Lab tests	PIMLADMINS	PIMLUsers	3/5/2015 3:44:36 ...	piml
Chief Fermenters		PIMLADMINS	PIML Demo	3/5/2015 10:03:5 ...	piml
test 12		PIMLADMINS	PIML Demo	3/5/2015 10:00:2 ...	piml
Chiller Log	Daily Chiller Log	PIMLADMINS	PIMLUsers	3/5/2015 9:45:35 ...	piml
Cooling Water Tower Obs.	Cooling water tower observations ...	PIMLADMINS	PIMLUsers	3/5/2015 9:45:10 ...	piml
Safety Equipment Check	Check all safety equipment in bul...	PIMLADMINS	PIMLUsers	3/5/2015 9:44:51 ...	piml
Train #1	Collection of bearing data for Trai...	PIMLADMINS	PIMLUsers	3/5/2015 9:44:34 ...	piml
Soft Drink Tour	Scanning barcodes from different ...	PIMLADMINS	PIMLUsers	3/5/2015 9:44:12 ...	piml
Test Max		PIMLADMINS	PIML Demo	3/5/2015 9:43:41 ...	piml
test3r		PIMLADMINS	PIML Demo	3/5/2015 9:43:26 ...	piml
Heat Exchangers Survey	Daily tour to survey heat exchang...	PIMLADMINS	PIML Demo	3/5/2015 9:40:57 ...	piml
Chiller Run	Data for the Chillers	PIMLADMINS	PIML Demo	3/5/2015 9:40:33 ...	piml
Chiller Log Mariana	Daily chiller Log Tour for chiller C...	PIMLADMINS	PIML Demo	3/5/2015 9:39:22 ...	piml
Security Test		PIMLADMINS	PIML Demo	3/5/2015 9:39:08 ...	piml
Production_Line1		PIMLADMINS	PIML Demo	3/5/2015 9:35:15 ...	piml
Sample Tour		PIMLADMINS	PIML Demo	3/5/2015 9:34:41 ...	piml
Janelles Demo		PIMLADMINS	PIML Demo	3/5/2015 9:34:22 ...	piml
Manual Entry Data Demo		PIMLADMINS	PIML Demo	3/5/2015 9:31:12 ...	piml
Barcodes		PIMLADMINS	PIML Demo	3/5/2015 9:30:50 ...	piml
Tour of the Back 40	Gotta manually collect some data ...	PIMLADMINS	PIMLUsers	3/5/2015 9:30:12 ...	piml
Downtime Details		PIMLADMINS	PIML Demo	3/5/2015 9:20:03 ...	piml
Oil Well Survey	Fort McMurray OW-206 survey.	PIMLADMINS	PIMLUsers	3/5/2015 9:17:09 ...	piml
Wind Turbine Survey	Instruments Verification (RS2013)	PIMLADMINS	PIMLUsers	3/5/2015 9:16:47 ...	piml
Pump Vibrations and Temp...	Plant Equipment Vibrations and T...	PIMLADMINS	PIMLUsers	3/5/2015 9:15:03 ...	piml
San Francisco Pump Vibra...		PIMLADMINS	PIML Demo	3/5/2015 9:14:27 ...	piml
JC Compressor		PIMLADMINS	PIML Demo	3/5/2015 9:14:03 ...	piml
Test B		PIMLADMINS	PIML Demo	3/5/2015 9:12:10 ...	piml
Test A		PIMLADMINS	PIML Demo	3/5/2015 9:11:53 ...	piml
Mining Trucks		PIMLADMINS	PIMLUsers	6/11/2014 10:45...	piml
Bighorn Transformers	Manual Entries for Bighorn subst...	PIMLADMINS	PIMLUsers	8/23/2013 3:13:5...	piml
Pumps		PIMLADMINS	PIMLUsers	4/23/2013 1:16:5...	piml

The bottom of the window shows a taskbar with icons for Search Options, New Tour..., Delete, Open, Save As, Close, Import, and Export. The system tray at the bottom left shows the user 'piml' and the task '31 tours loaded'. The bottom right corner of the application window displays 'PI Manual Logger 2014'.

# Enter Instructions and Set Limits

The screenshot displays the 'PI Manual Logger - [Select a Tour]' application window. The interface includes a menu bar (PIML, Tours, Mobile Devices, Tools, MobilePC, Window, Help), a search options panel on the left, and a main table titled 'Tour List'. The table contains columns for Tour Name, Tour Description, Full Permission Group, Data Entry Only Per..., Last Modified Time, and Last Modified By. The 'Lab Test Results' tour is highlighted in blue. At the bottom, there is a toolbar with icons for Search Options, New Tour..., Delete, Open, Save As, Close, Import, and Export. The status bar at the bottom shows '31 tours loaded' and 'PI Manual Logger 2014'.

Tour Name	Tour Description	Full Permission Group	Data Entry Only Per...	Last Modified Time	Last Modified By
Lab Test Results	Entering test results from Lab tests	PIMLADMINS	PIMLUsers	3/5/2015 11:49:1...	piml
Chief Fermenters		PIMLADMINS	PIML Demo	3/5/2015 10:03:5...	piml
test12		PIMLADMINS	PIML Demo	3/5/2015 10:00:2...	piml
Chiller Log	Daily Chiller Log	PIMLADMINS	PIMLUsers	3/5/2015 9:45:35 ...	piml
Cooling Water Tower Obs...	Cooling water tower observations ...	PIMLADMINS	PIMLUsers	3/5/2015 9:45:10 ...	piml
Safety Equipment Check	Check all safety equipment in buil...	PIMLADMINS	PIMLUsers	3/5/2015 9:44:51 ...	piml
Train #1	Collection of bearing data for Trai...	PIMLADMINS	PIMLUsers	3/5/2015 9:44:34 ...	piml
Soft Drink Tour	Scanning barcodes from different ...	PIMLADMINS	PIMLUsers	3/5/2015 9:44:12 ...	piml
Test Max		PIMLADMINS	PIML Demo	3/5/2015 9:43:41 ...	piml
test3r		PIMLADMINS	PIML Demo	3/5/2015 9:43:26 ...	piml
Heat Exchangers Survey	Daily tour to survey heat exchang...	PIMLADMINS	PIML Demo	3/5/2015 9:40:57 ...	piml
Chiller Run	Data for the Chillers	PIMLADMINS	PIML Demo	3/5/2015 9:40:33 ...	piml
Chiller Log Mariana	Daily chiller Log Tour for chiller C...	PIMLADMINS	PIML Demo	3/5/2015 9:39:22 ...	piml
SecurityTest		PIMLADMINS	PIML Demo	3/5/2015 9:39:08 ...	piml
Production_Line1		PIMLADMINS	PIML Demo	3/5/2015 9:35:15 ...	piml
Sample Tour		PIMLADMINS	PIML Demo	3/5/2015 9:34:41 ...	piml
Janelles Demo		PIMLADMINS	PIML Demo	3/5/2015 9:34:22 ...	piml
Manual Entry Data Demo		PIMLADMINS	PIML Demo	3/5/2015 9:31:12 ...	piml
Barcodes		PIMLADMINS	PIML Demo	3/5/2015 9:30:50 ...	piml
Tour of the Back 40	Gotta manually collect some data ...	PIMLADMINS	PIMLUsers	3/5/2015 9:30:12 ...	piml
Downtime Details		PIMLADMINS	PIML Demo	3/5/2015 9:20:03 ...	piml
Oil Well Survey	Fort McMurray OW-206 survey.	PIMLADMINS	PIMLUsers	3/5/2015 9:17:09 ...	piml
Wind Turbine Survey	Instruments Verification (RS2013)	PIMLADMINS	PIMLUsers	3/5/2015 9:16:47 ...	piml
Pump Vibrations and Temp...	Plant Equipment Vibrations and T...	PIMLADMINS	PIMLUsers	3/5/2015 9:15:03 ...	piml
San Francisco Pump Vibra...		PIMLADMINS	PIML Demo	3/5/2015 9:14:27 ...	piml
JC Compressor		PIMLADMINS	PIML Demo	3/5/2015 9:14:03 ...	piml
Test B		PIMLADMINS	PIML Demo	3/5/2015 9:12:10 ...	piml
Test A		PIMLADMINS	PIML Demo	3/5/2015 9:11:53 ...	piml
Mining Trucks		PIMLADMINS	PIMLUsers	6/11/2014 10:45:...	piml
Bighorn Transformers	Manual Entries for Bighorn substa...	PIMLADMINS	PIMLUsers	8/23/2013 3:13:5...	piml
Pumps		PIMLADMINS	PIMLUsers	4/23/2013 1:16:5...	piml

# Require Review

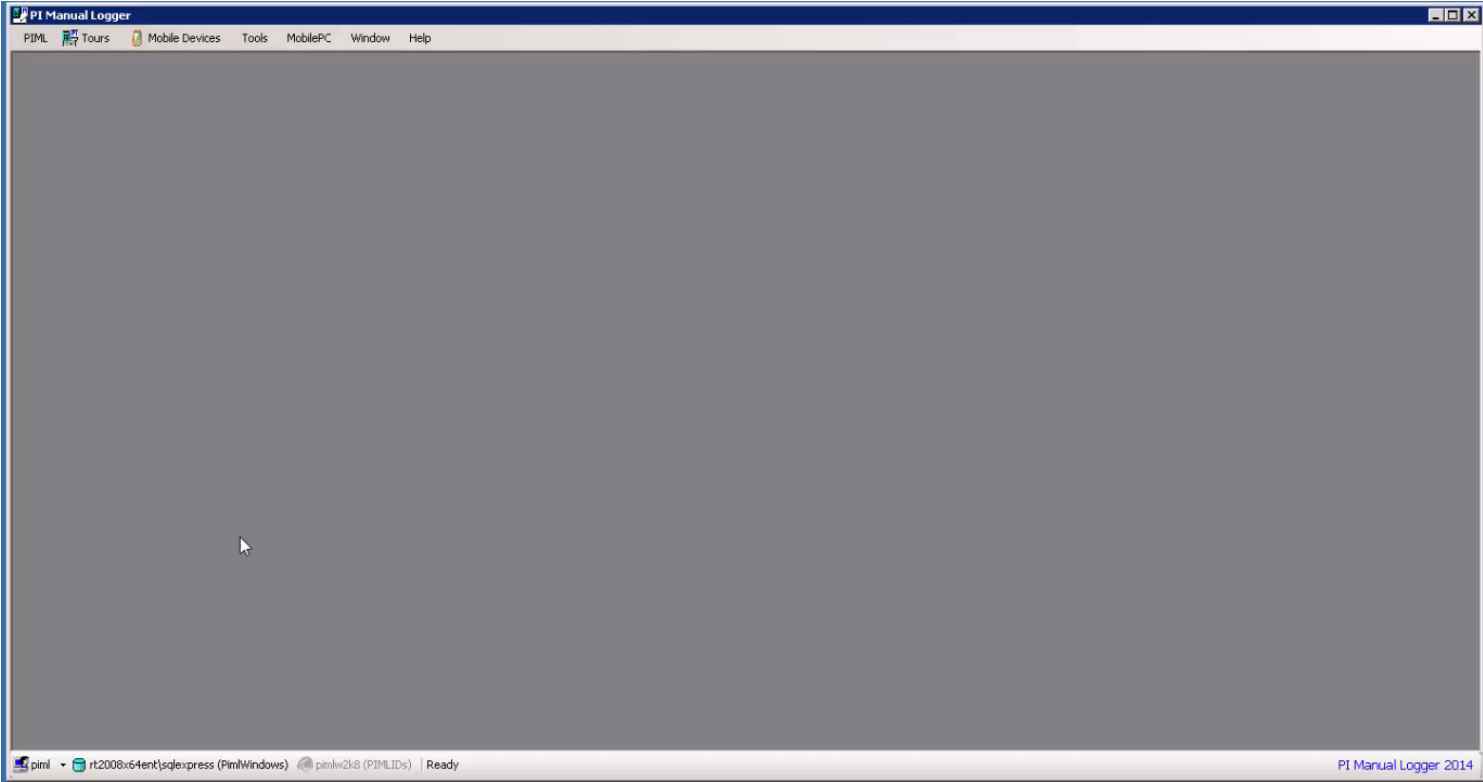
The screenshot displays the 'PI Manual Logger - [Tour Configuration - Pump Vibrations and Temperatures]' application. The main window is divided into several sections:

- Tour Info:** Contains fields for 'Tour Name' (Pump Vibrations and Temperatures), 'Tour Description' (Plant Equipment Vibrations and Temperatures - North and South - vibetool), 'Full Access Group' (PIMLADMINS), 'Data Entry Group' (Operators), 'Tour Comment Tag' (piml\_test\_tour\_comment), 'Tour Scheduling', and 'Notes' (Notation test string).
- Tag Configuration:** Includes 'Tag Name' (Pump P250 Vibrations), 'Barcode', 'Comment Tag' (piml\_test\_tag\_comment), 'Tag Group' (Pump1), 'Collection Scheduling', and 'Operator Instructions' (Collect the vibration reading from the South Reflux Pump P250).
- Tag Attributes:** A separate window showing a table of attributes for the selected tag:

Attribute	Value
Tag Name	Pump P250 Vibrations
Tag Descriptor	Vibration reading for south reflux pump
Eng. Unit	Inc/Sec
Point Type	Float32
Zeros	0
Span	100
DisplayDigits	-5
- Tag List View:** A tree view showing the plant hierarchy: South Reflux Pump > Pump1 > Pump P250 Vibrations > Pump P250 Temp.

The bottom status bar shows the user is logged in as 'pimlw2k8 (PIMLIDe)' and 11 hours are loaded.

# Review/Edit Collected Data

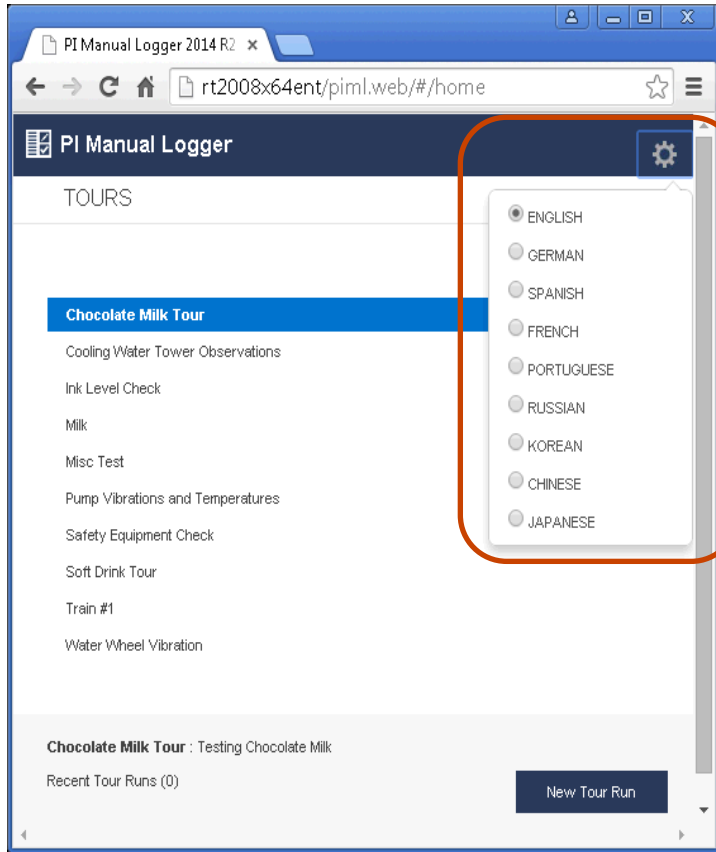




# Language Support



# PI Manual Logger Web 2014 R2



Support for 9 languages

The language selection is remembered on the device



# Details

# Compatible Browsers

- Microsoft Internet Explorer 9.0 or greater
- Chrome 32.0.1700.76 or greater
- Firefox 26 or greater
- Safari on iOS 6.1 or above
- Windows Phone 7.5 or above
- Android tablet/phone 4.2 or above



# Supported Devices

- Any device with a modern browser that supports HTML5 features such as:
  - iOS (iPad, iPhone, or iPod Touch version 6.1 or above)
  - Android tablets and phones
  - Windows Phone (7 or above)
  - Windows tablets (Slate PC, Surface tablet, etc.)



OSIsoft does not endorse any particular hardware, but we endeavor to work with vendors of industrial-grade devices

# Compatibility

- One version, many options
  - UPGRADE existing tours to the 2014 version
  - CONTINUE with PI Manual Logger Mobile 2012 (on Windows Mobile devices)
  - UPGRADE to PI Manual Logger Web (2014 R2)

# More Information

- Go see the product in action at the Product Expo
- Review customer presentations
  - Verso Paper from 2015 San Francisco Conference
  - SunCoke Energy from 2015 San Francisco Conference
  - Recorded presentations available on the OSIsoft website



# Advantages of PI Manual Logger

- Easiest way to get data into the PI System that isn't collected via instrumentation
- Off-the-shelf application only requires configuration
- Part of a complete PI System infrastructure
- Simple to configure and collect data
- Compatible with a variety of devices

# Contact Information

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# Questions

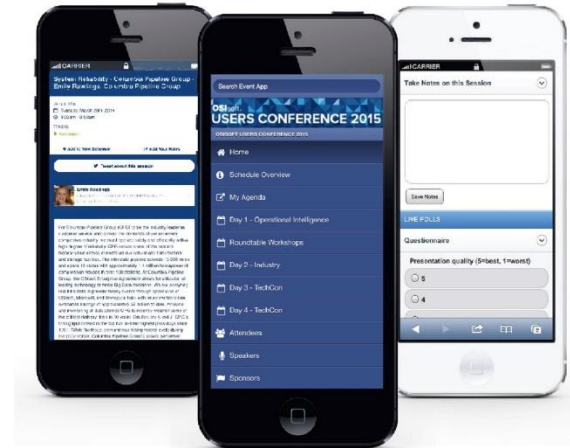
Please wait for the **microphone** before asking your questions



State your **name & company**

# Please don't forget to...

Complete the Online Survey for this session





감사합니다

谢谢

Danke

Merci

Gracias

Thank You

ありがとう

Спасибо

Obrigado

Start storing your manually collected data in the PI System!