

LISTEN.
THINK.
SOLVE.®

FactoryTalk ViewPoint

Schaedler Yesco Distribution, Inc.
EXPO 2010

Mike Murphy,
SYD Software Product Manager

Agenda

1. FactoryTalk ViewPoint Overview

2. FactoryTalk ViewPoint Install & Publishing

3. Positioning & Roadmap

4. Technical Overview

5. Packaging & Licensing

Agenda

1. FactoryTalk ViewPoint Overview

2. FactoryTalk ViewPoint Install & Publishing

3. Positioning & Roadmap

4. Technical Overview

5. Packaging & Licensing

FactoryTalk ViewPoint Information when and where you need it

- New, thin-client solution for FactoryTalk™ View and PanelView™ Plus
- Adds ability for FactoryTalk View projects to be used in a Web browser

Fully Animated

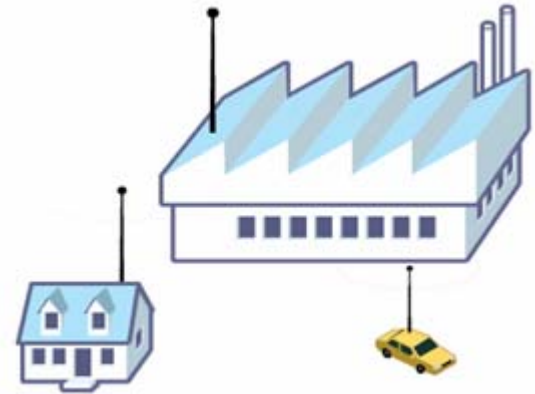
Fully Scalable

Easy to Use



FactoryTalk ViewPoint Benefits

- Extends visualization & real-time decision capabilities to browser-based remote users
 - Plant managers & supervisors
 - Central maintenance engineers
 - Mobile personnel
 - OEMs & System Integrators
- Provides on-demand access from anywhere
 - In the office
 - At home
 - On the road
- Lowers Total Cost of Ownership
 - Client is an Internet browser
 - No client software to install & maintain
- Supports multiple browsers / client devices
 - Internet Explorer®, Mozilla Firefox®



Rich, Interactive Browser User Experience

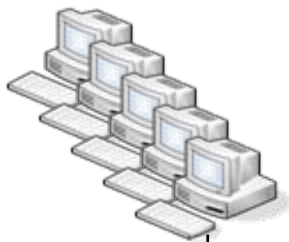
- High-quality graphics
- Full animation
- Real-time updates
- Scalable graphics
- HMI navigation preserved
- Browser navigation and features fully operational
- FactoryTalk View core features in the browser
 - Graphics objects & controls, embedded variables, parameters & more
 - Simplified alarm and trend viewers for casual users



[http://\[ComputerName\]/FTVP](http://[ComputerName]/FTVP)

FactoryTalk ViewPoint Server - SE Network

FactoryTalk View SE
Thick Clients



FactoryTalk ViewPoint Web Clients with Browser



Information Network



FactoryTalkViewPoint Server
FactoryTalk View SE Server



FactoryTalk View SE Server

Control Network



Maximum of 50 combined FactoryTalk View SE and FactoryTalk ViewPoint Client Connections

FactoryTalk ViewPoint Server - SE Local

FactoryTalk ViewPoint Web Clients with Browser



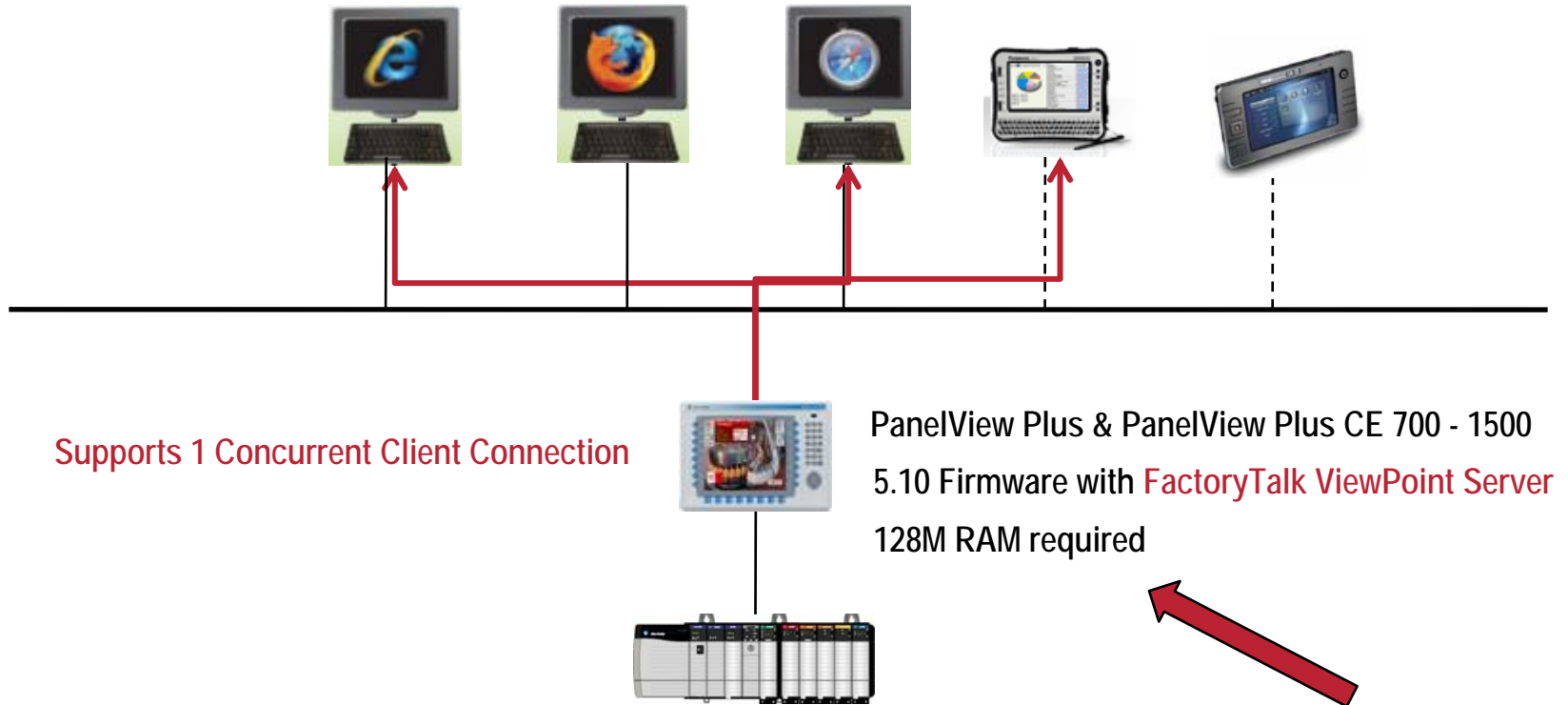
FactoryTalk ViewPoint Server
FactoryTalk View SE Local Station



Maximum of 10 FactoryTalk ViewPoint Client Connections on Windows XP

FactoryTalk ViewPoint Server - PanelView Plus

FactoryTalk ViewPoint Web Clients with Browser



Supports 1 Concurrent Client Connection

PanelView Plus & PanelView Plus CE 700 - 1500
5.10 Firmware with FactoryTalk ViewPoint Server
128M RAM required



1 FactoryTalk ViewPoint Client Connection on PanelView Plus

Viewing FactoryTalk ViewPoint Applications

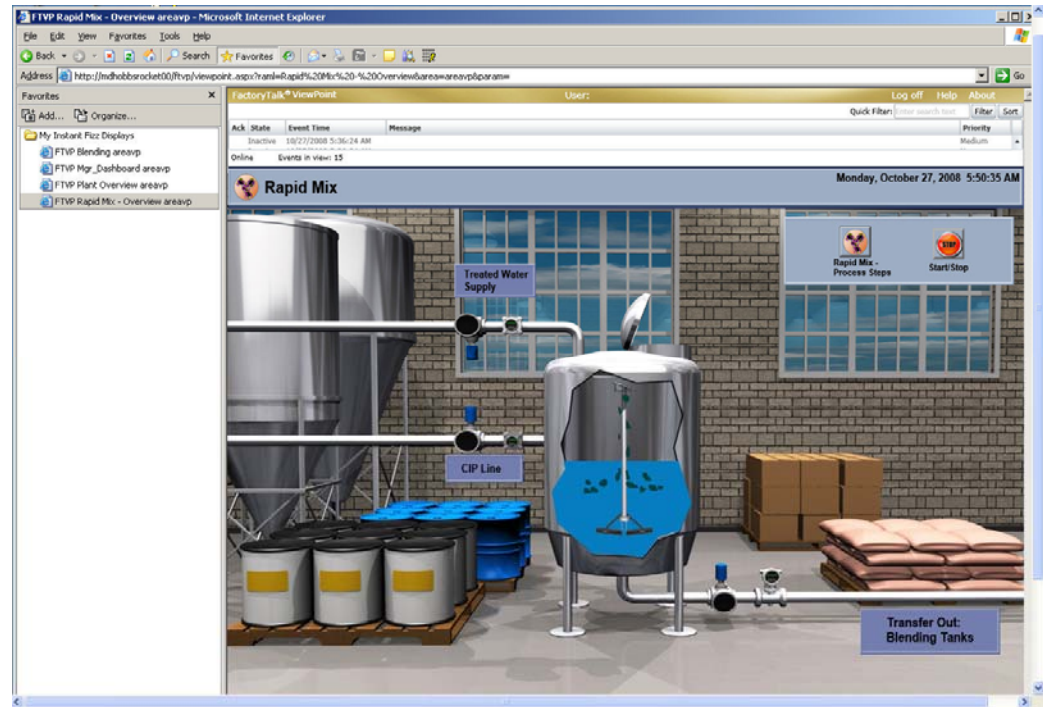
- To connect to a FactoryTalk ViewPoint application:
 - Type the name or the IP address of the computer running the FactoryTalk ViewPoint Server in the web browser's address bar
- Silverlight will install on first access
- You will be prompted to log on if Security is enabled
- The web browser will open to the initial display specified for the application
- To navigate to other displays, use buttons provided in the initial display, or use the navigation tools in the Web browser.



[http://\[ComputerName\]/FTVP](http://[ComputerName]/FTVP)






Leverage Familiar Browser Features

- Forward/Back navigation is fully functional
- Establish Favorites for quick access to critical information
- Add important displays to Links Bar
- Use Tabs to organize displays in a browser window
- Collaborate with co-workers using active hyperlinks
- Access previously viewed displays using History



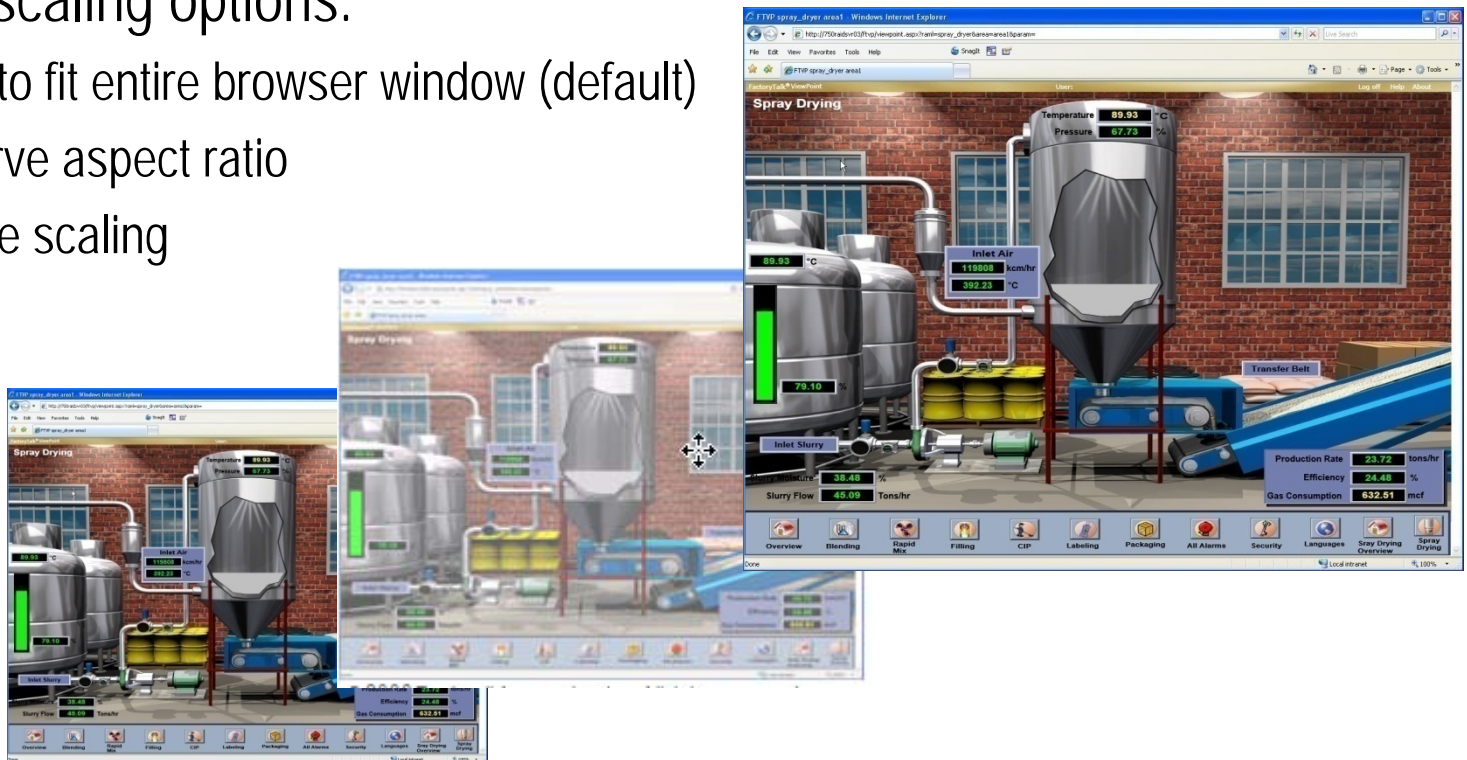
Web Browser Navigation

- Internet Explorer tools and shortcut keys

To do this in Internet Explorer	Click	Or press
Refresh the current display.		F5
Go to the next display.		Alt+Right Arrow
Return to the previous display.		Alt+Left Arrow
Select a display from a list of recently opened displays.		Ctrl+H
Add a FactoryTalk ViewPoint display to the Favorites list.		Ctrl+I

Display Scaling

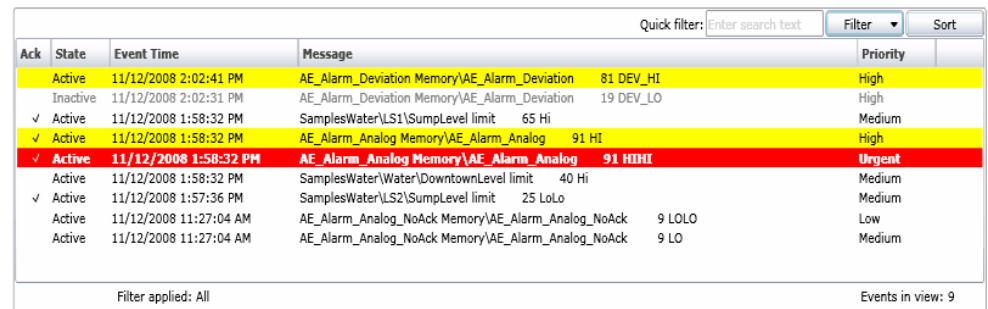
- Graphics displays in FactoryTalk ViewPoint automatically resize and scale to fit the web browser window
- Allows graphics displays to run on client devices with various screen sizes and resolution without modification at design time
- Display scaling options:
 - Scale to fit entire browser window (default)
 - Preserve aspect ratio
 - Disable scaling



Monitor Alarm Events

- Alarm Summary provides a simplified view of current alarm activity

- See current alarm status
- Identify alarm states and priorities
- Review alarm messages
- Sort and filter incoming alarms



Ack	State	Event Time	Message	Priority
	Active	11/12/2008 2:02:41 PM	AE_Alarm_Deviation Memory\AE_Alarm_Deviation 81 DEV_HI	High
	Inactive	11/12/2008 2:02:31 PM	AE_Alarm_Deviation Memory\AE_Alarm_Deviation 19 DEV_LO	High
✓	Active	11/12/2008 1:58:32 PM	SamplesWater\LS1\SumplLevel limit 65 Hi	Medium
✓	Active	11/12/2008 1:58:32 PM	AE_Alarm_Analog Memory\AE_Alarm_Analog 91 HI	High
✓	Active	11/12/2008 1:58:32 PM	AE_Alarm_Analog Memory\AE_Alarm_Analog 91 HIHI	Urgent
	Active	11/12/2008 1:58:32 PM	SamplesWater\Water\DowntownLevel limit 40 Hi	Medium
✓	Active	11/12/2008 1:57:36 PM	SamplesWater\LS2\SumplLevel limit 25 LoLo	Medium
	Active	11/12/2008 11:27:04 AM	AE_Alarm_Analog_NoAck Memory\AE_Alarm_Analog_NoAck 9 LOLO	Low
	Active	11/12/2008 11:27:04 AM	AE_Alarm_Analog_NoAck Memory\AE_Alarm_Analog_NoAck 9 LO	Medium

Quick filter: Filter Sort

Filter applied: All Events in view: 9

- Subscribes to:
 - FactoryTalk alarm & event servers
 - FactoryTalk View SE alarm servers
- Appears in the area that contains the original FactoryTalk alarm & event summary or FactoryTalk View HMI Tag Alarm Summary

FactoryTalk ViewPoint Alarm Summary

The screenshot displays an alarm summary table with the following columns: Ack, State, Event Time, Message, and Priority. The table contains three rows of alarm data. The first row is highlighted in red, indicating an urgent alarm. Callouts point to various features: 'Ack Status' points to the checkmark in the Ack column; 'Alarm State' points to the 'Active' text in the State column; 'Time of Occurrence' points to the timestamp in the Event Time column; 'Alarm Message' points to the detailed text in the Message column; 'Quick, preset & custom Alarm Filters' points to the 'Filter' dropdown menu; 'Alarm Priority' points to the 'Urgent', 'Medium', and 'Medium' labels in the Priority column; and 'Sort by property column or combined criteria' points to the 'Sort' dropdown menu.

Ack	State	Event Time	Message	Priority
✓	Active	11/11/2008 8:08:33 PM	The Motor has overheated. Motor has stopped. The current temperature of motor is:1000	Urgent
	Active	11/11/2008 8:18:44 PM	Rapid Mix Stopped	Medium
	Active	11/11/2008 8:07:57 PM	The Motor is overheating. The current temperature of motor is:1001	Medium

Alarm appearance based on alarm state and priority

Sort by property column or combined criteria

Alarm Appearance

- Quickly identify alarms based on appearance

Ack	State	Event Time	Message	Priority
	Active	11/12/2008 2:02:41 PM	AE_Alarm_Deviation Memory\AE_Alarm_Deviation 81 DEV_HI	High
	Inactive	11/12/2008 2:02:31 PM	AE_Alarm_Deviation Memory\AE_Alarm_Deviation 19 DEV_LO	High
✓	Active	11/12/2008 1:58:32 PM	SamplesWater\LS1\SumpLevel limit 65 Hi	Medium
✓	Active	11/12/2008 1:58:32 PM	AE_Alarm_Analog Memory\AE_Alarm_Analog 91 HI	High
✓	Active	11/12/2008 1:58:32 PM	AE_Alarm_Analog Memory\AE_Alarm_Analog 91 HIHI	Urgent
	Active	11/12/2008 1:58:32 PM	SamplesWater\Water\DowntownLevel limit 40 Hi	Medium
✓	Active	11/12/2008 1:57:36 PM	SamplesWater\LS2\SumpLevel limit 25 LoLo	Medium
	Active	11/12/2008 11:27:04 AM	AE_Alarm_Analog_NoAck Memory\AE_Alarm_Analog_NoAck 9 LOLO	Low
	Active	11/12/2008 11:27:04 AM	AE_Alarm_Analog_NoAck Memory\AE_Alarm_Analog_NoAck 9 LO	Medium

Quick filter: Filter Sort

Filter applied: All Events in view: 9

- Alarm appearance based on state and priority

State	Priority	Text color	Back color	Example
Active	Urgent	White	Red	Urgent
Active	High	Black	Yellow	High
Active	Medium	Black	White	Medium
Active	Low	Black	White	Low
Inactive	Any	Grey	White	Medium

Alarm Summary Tooltip

- Hover-over an alarm to get an expanded view of alarm properties

Ack	State	Event Time ▲	Message	Priority
	Active	11/19/2008 10:04:34 AM	SamplesWater\LS1\SumpLevel limit 65 Hi	Medium
	Active	11/19/2008 10:04:34 AM	SamplesWater\Water\DowntownLevel limit 40 Hi	Medium
	Active	11/19/2008 10:04:54 AM	AE_Alarm_Analog_NoAck Memory\AE_Alarm_Analog_NoAck 91 HI	High
	Active	11/19/2008 10:04:54 AM	AE_Alarm_Analog_NoAck Memory\AE_Alarm_Analog_NoAck 91 HIHI	Urgent
✓	Active	11/19/2008 10:29:10 AM	AE_Alarm_Deviation Memory\AE_Alarm_Deviation 81 DEV_HI	High
	Inactive	11/19/2008 10:32:29 AM	AE_Alarm_Analog Memory\AE_Alarm_Analog 91 HIHI	Urgent
	Active	11/19/2008 10:32:41 AM	AE_Alarm_Analog Memory\AE_Alarm_Analog 9 LO	Medium
✓	Active	11/19/2008 10:34:53 AM	AE_Alarm_Analog Memory\AE_Alarm_Analog 9 LOLO	Low

Priority:	Low	Current Value:	9
Status:	InAlarm, Acked	Limit Exceeded:	10
Active:	11/19/2008 10:32:41 AM	Area:	Area 1
Last Updated:	11/19/2008 10:34:53 AM	Server Name:	AlarmServer
Condition:	LOLO	Alarm Name:	AE_Alarm_Analog
Severity:	250		
Message:	AE_Alarm_Analog Memory\AE_Alarm_Analog 9 LOLO		

Events in view: 10

Alarm Summary Tooltip

Alarm Filtering and Sorting

- Alarm Filtering

- Quick Filter

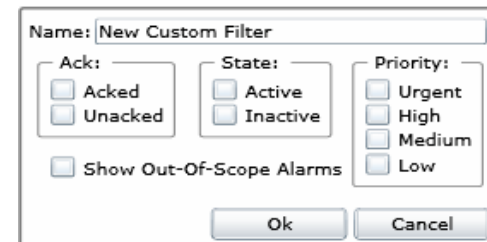
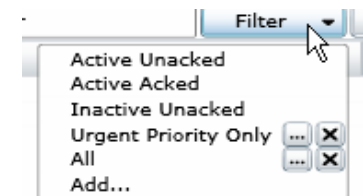
- Displays alarm messages that contain a specified character string

- Preset Filter

- Displays only alarm messages that are associated with certain states

- Custom Filter

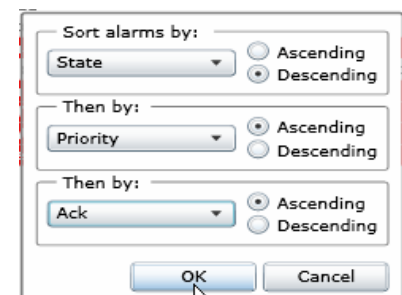
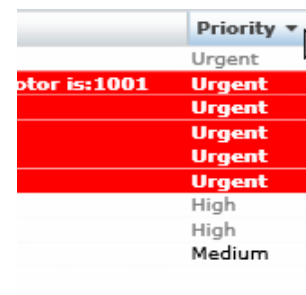
- Displays only alarm messages that match conditions you specify



- Alarm Sorting

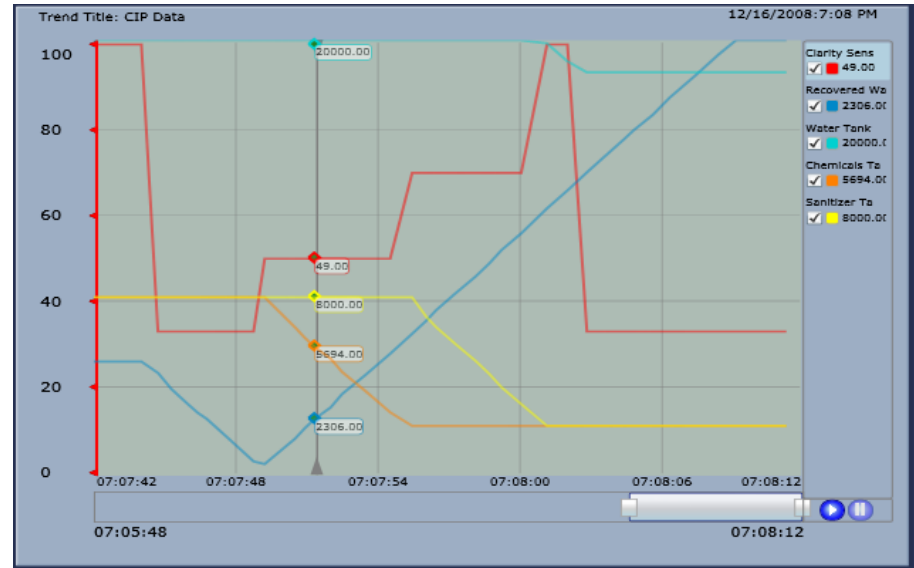
- Alarm Summary Heading

- Combined Criteria

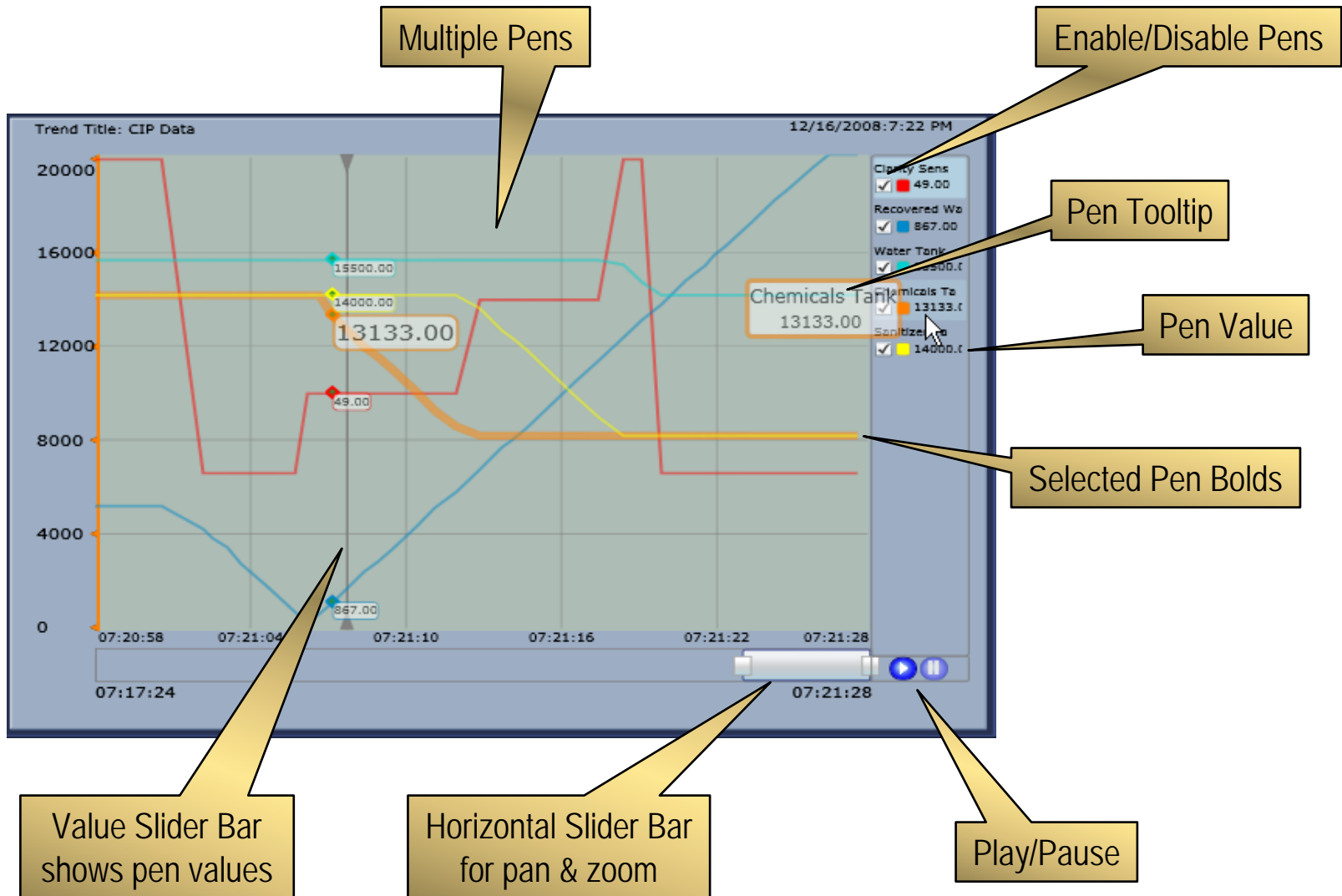


View Trends

- Provides simplified viewing of trend data in a web browser
 - View multiple trends on a single display
 - View multiple pens
 - Pan & Zoom
 - Scroll
 - Play/Pause Buttons
- Supports:
 - FactoryTalk Live Data Trends
 - Historical Trends
 - FactoryTalk View SE Datalog file
 - FactoryTalk Historian

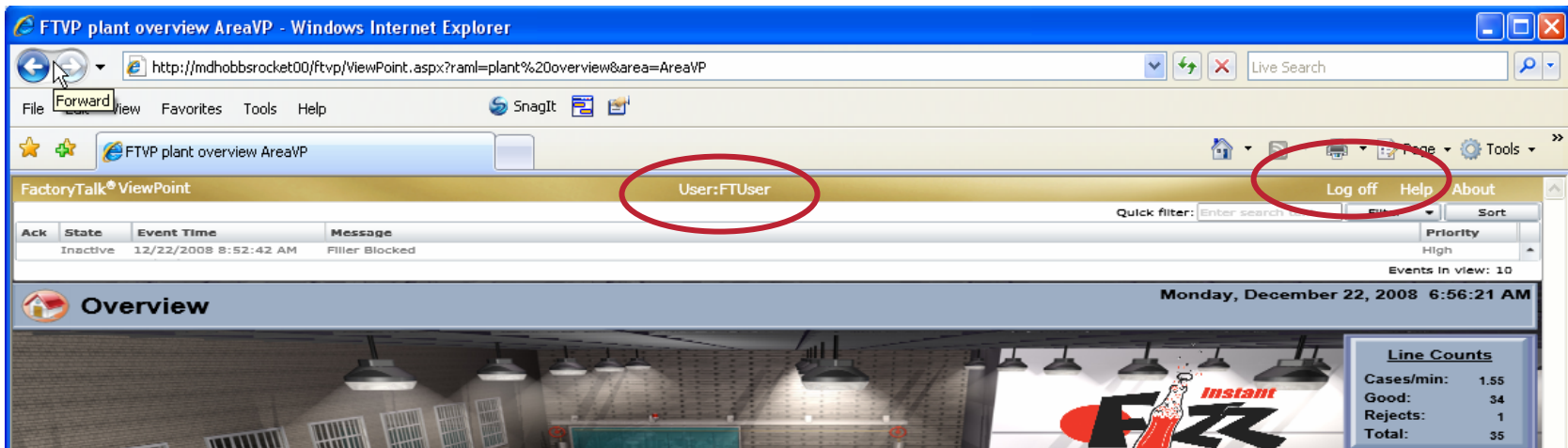
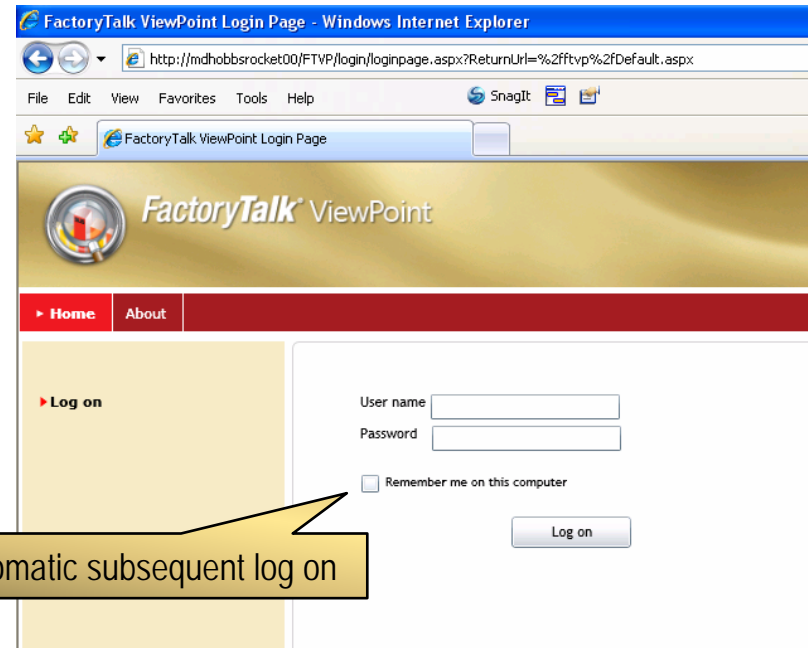


FactoryTalk ViewPoint Trend Control



FactoryTalk ViewPoint Security

- Secure access to:
 - FactoryTalk ViewPoint applications
 - FactoryTalk ViewPoint administration
- FactoryTalk users assigned to:
 - Viewer Group can connect to web applications
 - Administrator Group can connect to web applications and administration
- Uses FactoryTalk Security services to authenticate and authorize users



Enable FactoryTalk ViewPoint Security

- Connect to FactoryTalk ViewPoint Administration
- Choose Security settings tab
- Select one or both of the following options:
 - Require users to log on to open published web applications
 - Require users to log on to open FactoryTalk ViewPoint Administration
- Add users to the ViewPoint Administrators or Viewers group
 - Automatically displays existing FactoryTalk users
 - Windows-linked users can be added from Administration
 - FactoryTalk users can be added using FactoryTalk View Studio or the FactoryTalk Administration Console

The screenshot shows the FactoryTalk ViewPoint Administration web interface. The browser title is "FactoryTalk ViewPoint Administration - Windows Internet Explorer" and the address bar shows "http://mdhobbsrocket00/ftvp/admin/ViewPointAdmin.aspx". The page has a navigation menu with tabs: Home, Publish Displays to Web, Security Settings (selected), Server Settings, Activation, and About. The main content area is titled "Security Settings" and displays the following information:

Directory: MDHOBBSROCKET00
Type: Site Edition (Network)
Name: Automation Fair 2008 Demo

Require users to log on to open:

Published Web applications FactoryTalk ViewPoint Administration

Add users to the ViewPoint Administrators or Viewers group:

User	Administrator	Viewer
FTUser	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
VPViewer	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Below the table, there is a section "Add a Windows-linked user to the list:" with an input field and an "Add User" button. A note below the input field says "Type the user name using the syntax Domain\User." At the bottom right, there are "Save" and "Discard" buttons.

Agenda

1. FactoryTalk ViewPoint Overview

2. FactoryTalk ViewPoint Install & Publishing

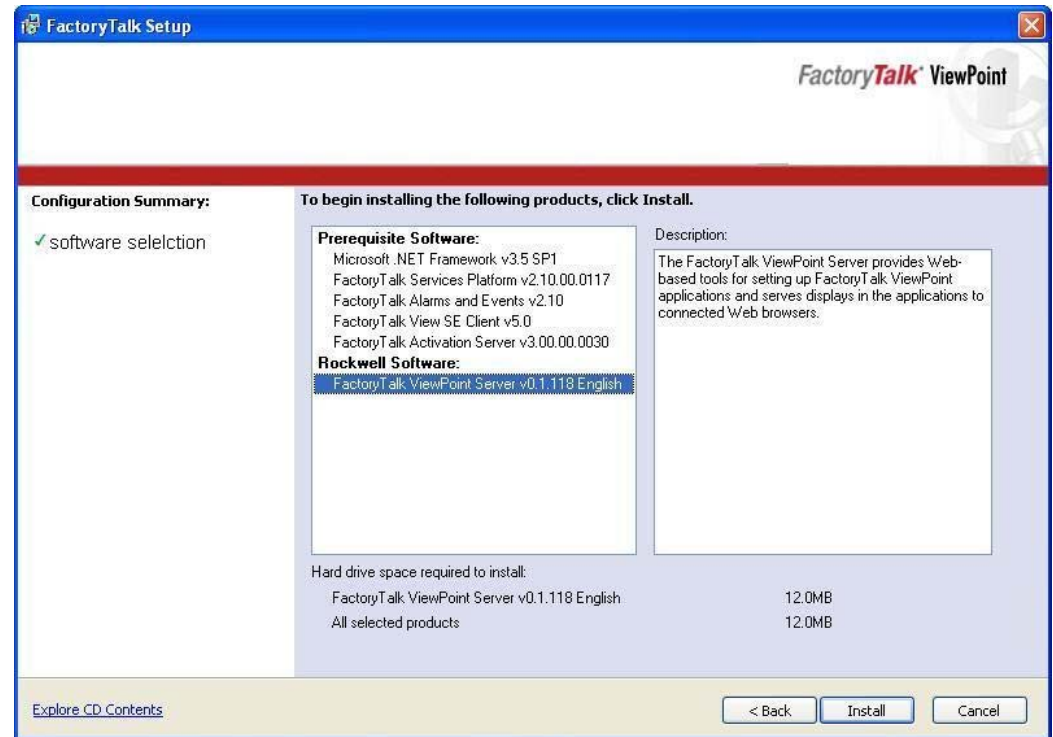
3. Positioning & Roadmap

4. Technical Overview

5. Packaging & Licensing

Easy Install

- Run Setup program
- Type user and organization name
- Accept License Agreement
- Click Install to install FactoryTalk ViewPoint software
 - Unattended install
 - All prerequisite software checked and installed if necessary



FactoryTalk ViewPoint Administration

- Create a FactoryTalk ViewPoint Web Application
- Configure Security Settings
- Monitor Server Settings
- Configure Activation
- Access Help



To administer the FactoryTalk ViewPoint server remotely, simply open your web browser and connect to:

`http://[ComputerName]/FTVP/Admin`

Publish Displays to Web

- Select an application
- Select displays
- Publish displays to FactoryTalk ViewPoint server
- Connect to FactoryTalk ViewPoint server
- Publishing report provided
- No application changes required
- Changes to published displays are automatically synchronized

The screenshot shows the FactoryTalk ViewPoint Administration web interface in a Windows Internet Explorer browser. The browser address bar shows the URL: <http://mdhobbsrocket00/ftvp/admin/ViewPointAdmin.aspx>. The page title is "FactoryTalk ViewPoint Administration". The navigation menu includes "Home", "Publish Displays to Web", "Security Settings", "Server Settings", and "About". The "Publish Displays to Web" option is selected.

The main content area displays the following information:

Follow these 3 steps to make a FactoryTalk View application Web-ready:

- 1 Select an application
- 2 Select displays
- 3 **Publish displays**

The "Publish displays" step is highlighted with a red background.

Below the steps, there is a "Learn more" link.

The "Directory" information is as follows:

- Directory: MDHOBBSROCKET00
- Type: Site Edition (Network)
- Name: Automation Fair 2008 Demo

A table lists the published displays:

Status	Name
Done	/AreaVP/rapiu mix - process steps
Done	/AreaVP/security
Done	/AreaVP/Test_Packaging_Values
Done	/AreaVP/trend - filling counts
Done	/AreaVP/trend - labeling counts
Done	/AreaVP/trend - line metrics
Done	/AreaVP/trend - line production rate
Done	/AreaVP/trend - packaging counts

Below the table, there is a "Status: Finished publishing. Warnings are recorded in the publishing report." message. There is a "View publishing report" link and a "Connect to the FactoryTalk ViewPoint Server" button with a "Go" button next to it. At the bottom, there are "Select graphic displays" and "Done" buttons.

The Rockwell Automation logo is visible at the bottom left of the page. The browser status bar shows "Local intranet" and "100%" zoom.

Agenda

1. FactoryTalk ViewPoint Overview

2. FactoryTalk ViewPoint Install & Publishing

3. Positioning & Roadmap

4. Technical Overview

5. Packaging & Licensing

FactoryTalk ViewPoint Positioning

- FactoryTalk View SE Client
 - Thick Client
 - On Site Operators – 24/7
 - Dedicated Operation
 - Guaranteed Performance/High Priority
 - Complex Customization
 - VBA
 - ActiveX controls
- FactoryTalk ViewPoint
 - Thin Client (no client software install)
 - Casual Operators, Managers, Mobile Users
 - Remote Viewing and Monitoring
 - Non Critical Performance/Lower Priority
 - Simplified display of graphics screens
 - Graphics displays
 - Simplified trending
 - Simplified alarming

Agenda

1. FactoryTalk ViewPoint Overview

2. FactoryTalk ViewPoint Install & Publishing

3. Positioning & Roadmap

4. Technical Overview

5. Packaging & Licensing

FactoryTalk ViewPoint Clients

- Wide range of browser-based client device options

- No client software to install and maintain
- Ideal for both traditional and mobile computing devices
- Supported Operating Systems

- Microsoft Windows Vista
- Microsoft Windows XP
- Microsoft Windows Server 2003/2008



- Supported Browsers

- Internet Explorer 6.0 or 7.0
- Firefox
- Safari



- Requires Microsoft Silverlight 3

- Loads and updates automatically

- Expanded support for smart phones & mobile internet devices in 2010

What is Microsoft Silverlight 3?

- Silverlight is a cross-browser, cross platform plug-in for delivering rich interactive applications for the Web and mobile devices
- FactoryTalk ViewPoint uses Silverlight to visualize FactoryTalk View content in a browser
- Supports browsers for Windows, Mac & Linux platforms
 - Internet Explorer, Firefox, Safari (Mac), Mozilla & Opera browsers
- FactoryTalk ViewPoint will use Silverlight version 3.0
- Silverlight plug-in can be installed automatically from FactoryTalk ViewPoint server



Agenda

1. FactoryTalk ViewPoint Overview

2. FactoryTalk ViewPoint Install & Publishing

3. Positioning & Roadmap

4. Technical Overview

5. Packaging & Licensing

FactoryTalk ViewPoint SE 1.1 Packaging

- FactoryTalk ViewPoint System includes Server plus Client Access Licenses (CAL)
- Client Access Licenses come in bundles, and can be combined
 - Bundles in 1, 3, 5, 10, 25, and 50 CAL increments
- All CALs are concurrent and are administered by the FactoryTalk ViewPoint Server
 - Single CAL supports up to 3 browser instances or tabs on a FactoryTalk ViewPoint client



Bulletin	Description
9522-VWP01RENE	FactoryTalk ViewPoint 1 Client System (read only)
9522-VWP03RENE	FactoryTalk ViewPoint 3 Client System (read only)
9522-VWP05RENE	FactoryTalk ViewPoint 5 Client System (read only)
9522-VWP10RENE	FactoryTalk ViewPoint 10 Client System (read only)
9522-VWP25RENE	FactoryTalk ViewPoint 25 Client System (read only)
9522-VWP50RENE	FactoryTalk ViewPoint 50 Client System (read only)

FactoryTalk ViewPoint server is included with PanelView Plus; no additional catalog numbers need to be ordered to use FactoryTalk ViewPoint with PanelView Plus

LISTEN.
THINK.
SOLVE.®

FactoryTalk ViewPoint Panelview Plus Demonstration

FactoryTalk ViewPoint ME 1.1 Considerations

- Features that are not be supported by FactoryTalk ViewPoint ME 1.1
 - Tag Writes, client is read only
 - Alarming and Trending
 - ME Station on a PC
 - Runtime language switching
 - Multi-language is supported by changing the default language and re-publishing
 - Recipe
 - Functions within expressions
 - For example, the Security function (CurrentUserName)
 - Global Connections
- Displays will still be published
 - Unsupported features are removed from the display
 - A publishing report lists any warnings or errors encountered during the publishing process
- FactoryTalk ViewPoint does not currently support FactoryTalk View ME applications using KEPServer Enterprise on PanelView Plus

See FactoryTalk ViewPoint Help or AID 57596 for more information

Upgrade existing PanelView Plus to ViewPoint 1.1 Compatibility - Special Price

- Upgrade PVP Memory at Special Pricing
- Available Through July 2010
- Contact Schaedler Yesco Distribution, Inc.
- Determine if existing PVP is ViewPoint Compatible (see chart below)
- Upgrade complete Logic Module or order new RAM only

PanelView Plus Platform	Existing Mem. Capacity	Option 1	Option 2	Option 3
PanelView Plus 700 - 1500 (Ser D or earlier)	32MB RAM and 32MB Flash	X	X	NA
PanelView Plus 700 - 1500 (Ser E or later, or 2006 & later)	64MB RAM and 64MB Flash	X	NA	X
PanelView Plus 700 - 1500	128MB RAM/ 128MB Flash	FT ViewPoint Compatible As Is		
PanelView Plus CE 700 - 1500	128MB RAM/ 128MB Flash	FT ViewPoint Compatible As Is		
PanelView Plus CE 700 - 1500	256MB RAM/ 256MB Flash	FT ViewPoint Compatible As Is		

Leap into the new year with a FactoryTalk™ ViewPoint enabled PanelView™ Plus

Do you currently use a PanelView Plus 700-1500 terminal?
Does your current terminal only have 64MB of RAM?
Want to leverage the remote functionality of FactoryTalk ViewPoint?

This promotion provides a cost effective option to get you started using FactoryTalk ViewPoint for remote access. You can enable your PanelView Plus platforms for FactoryTalk ViewPoint compatibility with 128MB of RAM, at a reduced cost.

Contact your local sales representative or distributor for more information. Offer valid through July 2010.

LISTEN. THINK. SOLVE.

Rockwell Automation

LISTEN.
THINK.
SOLVE.®

FactoryTalk ViewPoint
Any Questions?

LISTEN.
THINK.
SOLVE.®

FactoryTalk ViewPoint
Thank You!