

Quote: 22Q081
From: Tim Keating
Phone: 518-828-7646
Email: TKeating@smithcontrol.com



Controlling the future...Today

Attention: Village of Menands

Date: June 19, 2022

Re: SCADA Upgrade

We are pleased to offer our quotation for this work. This quote has been based on the request from On Site visit and inspection with Sean.

I. Scope:

- Upgrade existing SCADA to the latest FactoryTalk View SE Station. Convert existing displays over for new software, Create data logs for historical trending, Upgrade existing WIN911 to latest Local software version with FactoryTalk View connector and IPPBX Modem. Install XLReporter with FactoryTalk View data log connector. Develop 3 custom Excel based reports for XLReporter.

Software:

FactoryTalk View SE Station (latest version) – Quantity 1
WIN911/Interactive (latest version) – Quantity 1
WIN911/FT – Quantity 1
Win911/PV/ENU – Quantity 1
Sytech XLReporter XL1PM – Quantity 1

Hardware :

WIN911/IPPBX – Quantity 1

Labor :

On site hardware installation
On site software installation
On site software configuration
Labor Hours - 40

Excluded work from scope:

Hardware:

New Windows PC

Software:

Windows Operating System
Remote Connectivity Software
Security Software

Labor:

Windows operating system configuration
Windows PC configuration for Town network/remote connectivity
Security/Firewall configuration

II. Price:

Total Net Lot Price\$ 29,800.00

Valid for 30 days from Quotation Date

III. Not Included in Scope of Work:

- Overtime or Premium Time
- Performance or Bid Bond
- Any items, equipment or software not specified above
- NYS Sales or Use Taxes

Smith Controls

1839 Route 9H • Hudson, New York 12534 • F (518) 828-2845 • P (518) 828-7646 • www.smithcontrols.net

QUOTATION



Controlling the future....Today

- Removal of any existing equipment or wiring

IV. Warranty:

Parts: Manufactures' standard or 18 Months from shipment or 12 months from installation by Smith Controls; whichever occurs first. Labor is warranted for 12 months

V. Delivery:

FOB: Hudson, NY
Delivery: To be arranged

VI. Invoicing & Terms:

Net 30 Days

VII. Alterations/Changes:

Any alteration or change from the specifications as detailed above involving extra costs will be effectual only upon written order and will be over and above the quoted price.

VIII. Attachments:

- 2022 Field Rate Schedule
- Conditions of Sale

I would like to thank you for the opportunity to quote on this control system. After reviewing our proposal should you have any questions or require any changes, please contact me. Again, thank you.

Sincerely,

Tim Keating

Tim Keating – Sales & Service Manager

Smith Controls

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CC: File 22Q081 SCADA Quote

Prevailing Rate 1 Field Rate Schedule & Equipment Fees
January 1, 2022 – Dec 31, 2022



Controlling the Future... Today

Item	Activity	Definition	Technician	Engineer
A	Regular Time	Monday – Friday Up to 8 Hours between 7:00 AM and 6:00 PM	\$120.00 / Hour (Minimum 2 Hours)	\$160.00 / Hour (Minimum 2 Hours)
B	Travel Time	See Note 3	\$85.00 / Hour	\$100.00 / Hour
C	Overtime	Saturday and Extended Weekday hours prior to 7:00 AM and after 6:00 PM up to 16 hours per day	\$180.00 / Hour	\$240.00 / Hour
D	Double Time	Sunday, Holidays and All time in excess of 16 hours per day	\$240.00 / Hour	\$320.00 / Hour
E	Meals	Per Diem	\$75.00 / Day	\$75.00 / Day
F	Travel Mileage	Includes the use of Company and personal vehicles. See Note 3	\$.95 / Mile	\$.95 / Mile
G	Public Transportation	Airfare, Shuttles, Taxis, Buses, etc.	Cost + 10%	Cost + 10%
H	Accommodations	Overnight or long term	Cost + 10%	Cost + 10%
I	Expenses		Cost + 10%	Cost + 10%
Equipment Fees				
J	Equipment 1 (EQ-1)	HART Device, Dri-Block Calibrator, Flow Calibrator	Per Day TBD	Per Week TBD

NOTES:

1. Rates are calculated by work type and not personnel.
2. Technician rate encompasses electrician, wiremen, mechanics, calibrators, etc.
3. Engineering rate encompasses control system engineering, PLC, HMI or database programming.
4. Travel Time and Travel Mileage is calculated portal to portal from Hudson, NY.
5. Minimum labor charge is 4 hours for any emergency, overtime, weekend, or holiday service.
6. All rates are net unless negotiated beforehand.
7. Parts and materials supplied in connection with field service work will be priced in accordance with Smith Control Systems published Condition of Sale and Pricing Policy.
8. Service Invoice Terms are Net 15 Days.
9. All Invoices to be paid in **US Dollars**.
10. Labor rates subject to updates in coordination with the NYS Prevailing Rate Schedule.

Project Name _____ SC Job No. _____

Accepted By _____
 Print Name Signature Date

Smith Controls

WIN-911™

THE MOST WIDELY USED ALARM NOTIFICATION
PLATFORM IN INDUSTRY AND IIoT

THE WORLD'S #1-SELLING INDUSTRIAL ALARM NOTIFICATION SOFTWARE

MONITOR YOUR INDUSTRIAL PLANT FROM ANYWHERE

WIN-911's secure software notification platform allows your team to remotely interact with your plant's equipment alarms via mobile app, text, voice, email, or in-plant announcements, which means problems get fixed faster, waste is reduced, and maintenance and staff costs go down.



PRODUCT OVERVIEW

19,000+
INSTALLATIONS WORLDWIDE

90%
FORTUNE 50 MANUFACTURERS

Millions
OF ALARMS DELIVERED DAILY

TOP FEATURES & BENEFITS



Direct connects

Integration with leading SCADA systems like Rockwell, GE, and AVEVA, is easy and fast.



Talk to a human

Our support is delivered by friendly in-house technical experts via phone, chat, email, (and remote log-in sessions when required), so your toughest problems get resolved faster.



Future proof your system

With a Customer Care Subscription, you receive multiple upgrades and updates annually, which means your systems are always up-to-date.



Multiple notification methods

We offer the most widely supported notification methods, including spoken voice (digital and analog), in-plant PA, email, text, and mobile app.



Supports both live and historical views

Logging reports let you sort alarms via your preferences, such as staff notification attempts, confirmation, acknowledgments, events, error codes.



Ensure system resiliency

You can program multiple notification methods and hot-back logic to provide greater system reliability through redundancy.



Real time data reporting

Tag value reports can be sent on demand or based on alarm conditions to enable you to do further analysis on specific events.



Configurable formats

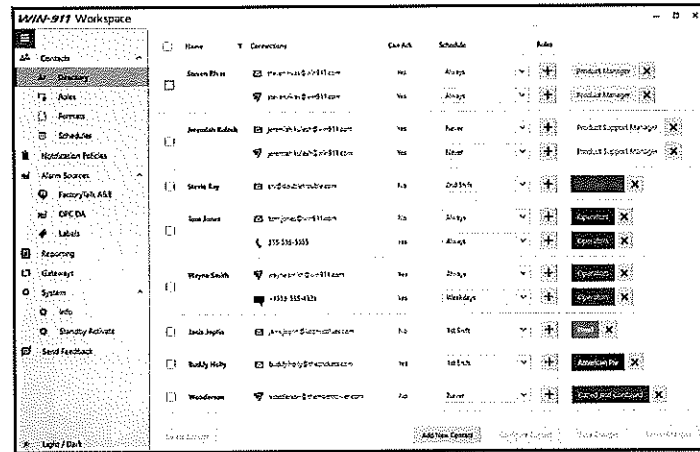
Simple format editor makes creating custom formats a breeze.

win911.com



IMPROVE ALARM RESPONSE TIME WITH SMART ESCALATION

From a simple call-out list to an advanced escalation workflow, WIN-911 allows you to quickly configure alarm notifications based on alarm types, severity, worker roles, and schedules. For instance, you might send the most critical equipment alarms to all operators and managers, while giving maintenance techs a broader range of event data.



Quickly set up call-out list that supports retries and delays

Contact	Type	Connection	Retries Upon Failure	Delay Between Retries (Minutes)
Buddy Holly	✉	buddy.holly@thecrickets.com	0	0
Janis Joplin	✉	janis.joplin@kozmichblues.com	0	0
Jeremiah Kulesh	✉	jeremiah.kulesh@win911.com	0	0
Jeremiah Kulesh	📞	jeremiah.kulesh@win911.com	0	0
Steven Rivas	✉	steven.rivas@win911.com	0	0
Steven Rivas	📞	steven.rivas@win911.com	0	0
Stevie Ray	✉	srv@doubletrouble.com	0	0
Wooderson	📞	wooderson@themoontower.com	0	0

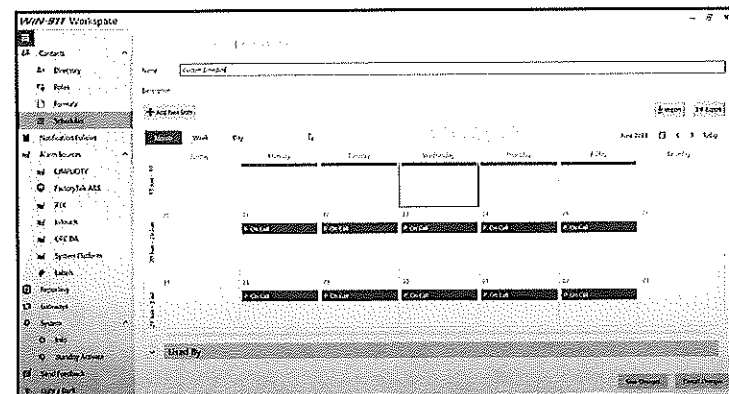
Configure notification workflows in a snap

- Scales from a simple call-out list to comprehensive workflows
- As the alarm event unfolds, set actions to occur dynamically
- Send event-based reports via push notifications
- Update schedules, personnel, and organizational changes in a few clicks



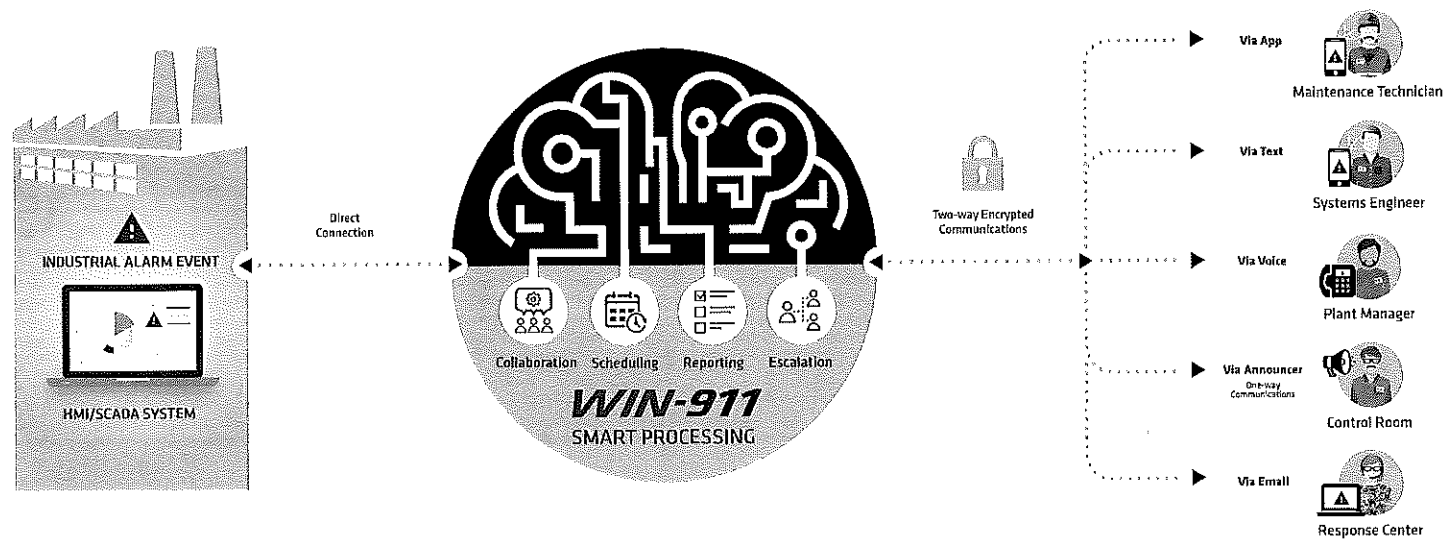
SIMPLIFY SCHEDULING TASKS WITH CALENDAR TOOLS

You can create rolling schedules for different staff using simple calendar-based controls. And a separate module called the Operator Workspace lets you quickly make changes to your call out settings from any HMI screen.



How it Works

Direct connects to leading SCADAs makes configuration easy and fast.



Notification Options

All notification options support single or bi-directional communication, acknowledgments, and customized formats.



SMARTPHONE APPS

Interactive, intuitive apps using push notifications for iOS and Android.



SMS TEXT MESSAGING

Text-based alarm notification over cellular networks.



EMAIL

Rich HTML or plain text templates support a wide range of devices.



ANNOUNCER

Hear voice alarm notifications automatically announced over your PA system or any networked audio device.



VOICE CALLS

Text-to-speech engine dynamically reads alarm information. Supports VoIP (SIP) or analog phones.

WHAT CUSTOMERS ARE SAYING

“The added visibility with WIN-911 allowed us to see where inefficiencies were happening so we could adjust and refine our process.”

Jonathan Riechert
Senior Engineer, Tyson Foods

“We recently had to deal with a major wastewater lift station failure, where WIN-911 notified us of which of our 36 stations was in alarm and specified it was a power failure. This allowed our staff, while in route, to alert electric crews to also be in route to restore power. That's a situation where direct notification of the location and exact problem prevented an overflow.”

Josh Becker
Utilities Director, City of Llano, TX

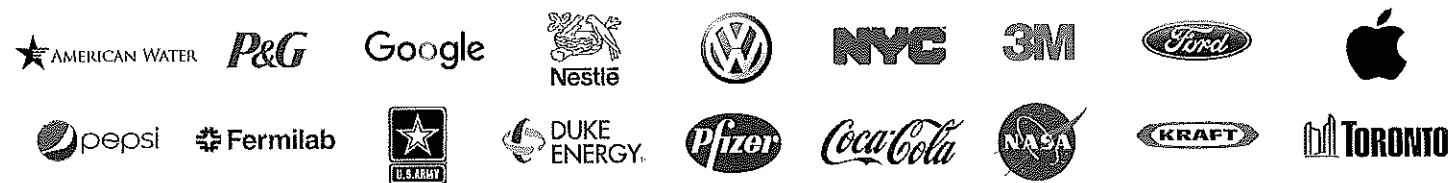
“We're importing our existing tags—that's what is great about WIN-911, you can just import your alarm tags and don't have to recreate your alarms—it's easy to make the transition.”

Al Olivares
IT Lead, Nestle, Tulare CA

WIN-911 PRODUCT COMPARISON CHART

FEATURES:	STANDARD	INTERACTIVE	ADVANCED
CORE CAPABILITIES			
Alarm/Filter Count	Unlimited	Unlimited	Unlimited
1 Year Customer Care Subscription	✓	✓	✓
Virtualization	✓	✓	✓
Localization	✓	✓	✓
ESCALATION			
Scheduling	✓	✓	✓
Basic Notification Policies	✓	✓	✓
Advanced Notification Policies			✓
Operator Workspace	✓	✓	✓
NOTIFICATION METHODS			
SMS Text (Cellular Modem)	✓	✓	✓
Email	✓	✓	✓
Announcer	✓	✓	✓
Voice (VoIP)		✓	✓
WIN-911 Mobile App		10 Devices	25 Devices
Premium Voice		✓	✓
REMOTE INTERACTIONS			
Remote Acknowledgements		✓	✓
Alarm Requests		✓	✓
Report Requests		✓	✓
Report Pushes			✓
DATA SOURCES			
GE iFIX	✓	✓	✓
GE SIMPLICITY	✓	✓	✓
Rockwell FactoryTalk View A&E	✓	✓	✓
AVEVA Edge	✓	✓	✓
AVEVA InTouch HMI	✓	✓	✓
AVEVA System Platform	✓	✓	✓
OPC DA (all other SCADAs)	✓	✓	✓
Nodes (for additional data sources)	✓	✓	✓
ROI			

**THE WORLD'S TRUSTED BRANDS TRUST WIN-911.
DEPLOYED AT OVER 19,000 FACILITIES IN 85 COUNTRIES ON 7 CONTINENTS.**



WATER & WASTE TREATMENT / FOOD & BEVERAGE / LIFE SCIENCES
MANUFACTURING / OIL & GAS / INFRASTRUCTURE

WIN-911™

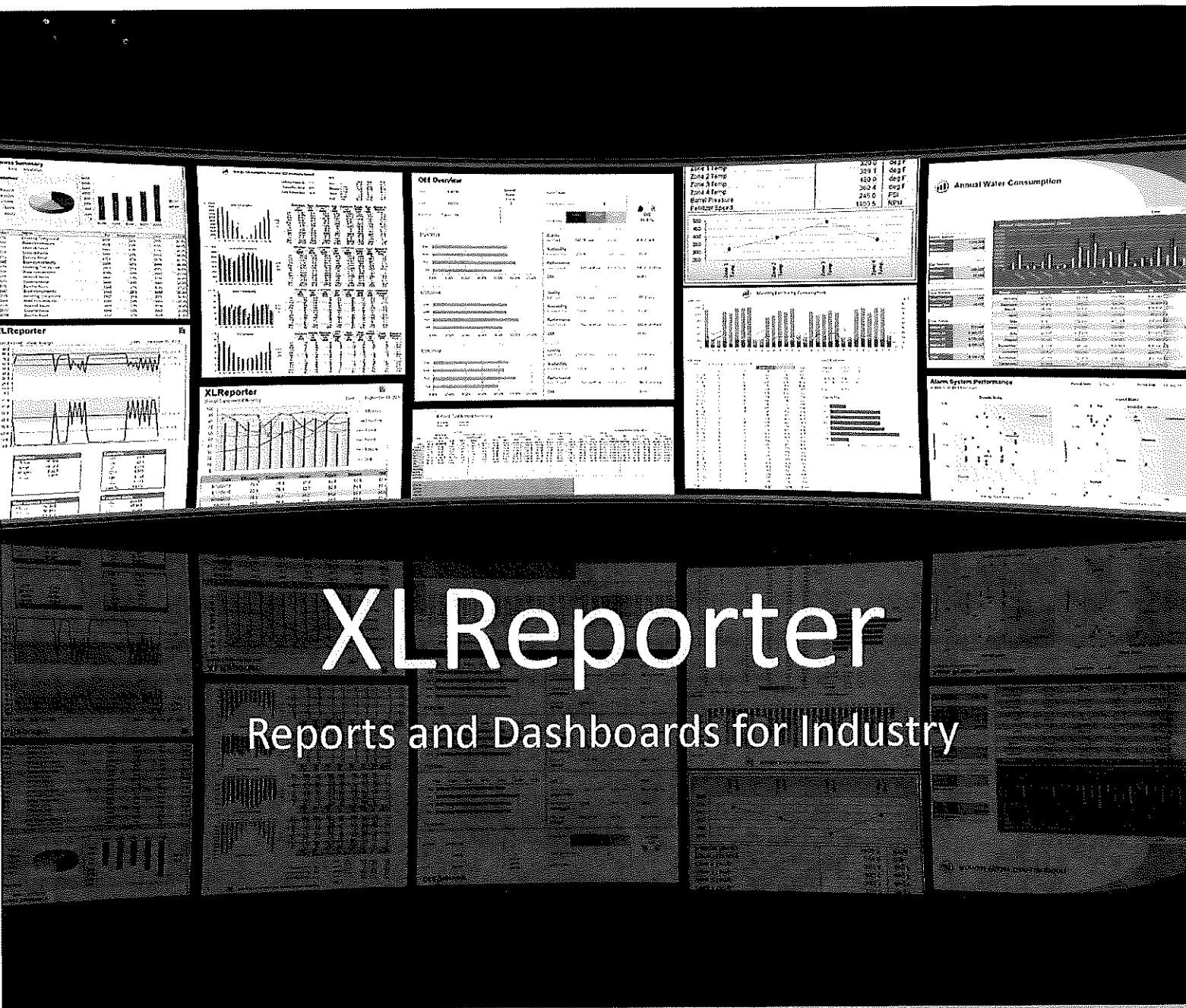
THE MOST WIDELY USED ALARM NOTIFICATION
PLATFORM IN INDUSTRY AND IIoT

win911.com

USA 512 326 1011 or Toll Free 1 800 331 8740

Europe +33 6 89 30 36 58

sales@win911.com



XLReporter

Reports and Dashboards for Industry

Go Beyond Excel

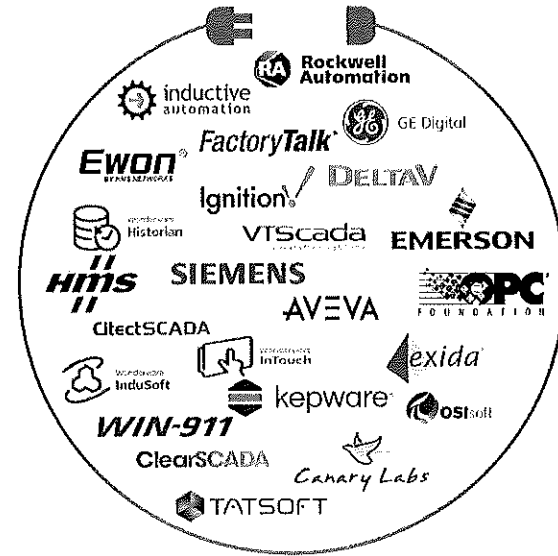
Microsoft Excel® is indisputably one of the most widely used software applications in the world. XLReporter® takes the best of this product and delivers it to an industrial environment, *without needing Excel!* The result is a secure, efficient reporting solution with around-the-clock robustness

With a scalable design, XLReporter has an edition to fit any budget. It is implemented in over 80 countries and endorsed by small municipal facilities as well as major international manufacturers and Fortune 500 companies.

Reports at Your Fingertips

1- CONNECT

Connectors provide easy access to data from PLCs, historians, alarms and IoT devices. XLReporter provides industry standard connectors such as OPC DA, HDA and UA, business standard connectors such as ODBC and OLE-DB, native connectors to the leading historians and PLCs and even primitive connectors to CSV and text files.



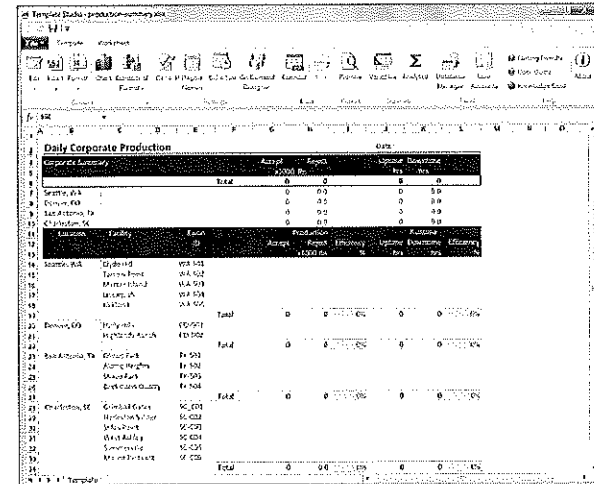
2 - DESIGN

With over 50 “out-of-box” templates, you will be reporting in minutes, *guaranteed!*

For custom reports, use the Design Studio. It is packed with familiar workbook features such as charts, format and formula together with XLReporter components built for industry. For Excel users, the Design Studio is also provided as a plug-in to Microsoft Excel.

Responsive templates ensure an optimized user experience across mobile, tablet and desktop.

Any workbook, either provided by a regulatory agency or one you use in-house can be readily imported into the Design Studio.



3 - REPORT

Turn raw data into information with built-in analytics that provide insight into your process. How many times did a pump cycle? How efficiently is equipment utilized? What are the top 5 frequently occurring alarms?

Reports are produced automatically on-time or on-events by the provided scheduler. They can also be produced on-demand from any device supporting a web browser.

Daily Corporate Production				Date: March 4, 2019				
Corporate Summary				Accept x1000 lbs	Reject x1000 lbs	Uptime hrs	Downtime hrs	
Total				8115	242.6	255.4	17.6	
Seattle, WA				2046	160.2	71.3	8.7	
Denver, CO				709	5.2	31.6	0.4	
San Antonio, TX				2809	60.2	53.8	6.2	
Charleston, SC				1551	11.0	93.7	2.3	
Location	Facility	Ewon ID	Production	Accept x1000 lbs	Reject %	Uptime hrs	Downtime hrs	Efficiency %
Seattle, WA	Clyde Hill	WA-S01	477	1.5	100%	10.0	0.0	100%
	Narrow Point	WA-S02	214	145	60%	8.2	7.8	53%
	Mercer Island	WA-S03	465	1.1	100%	15.0	0.0	100%
	Jacobsfield	WA-S04	459	0.4	99%	11.0	0.0	99%
	Kirkland	WA-S05	421	3.2	55%	1.0	0.0	55%
Total				2046	160.2	93%	7.0	93%
Denver, CO	Holly Hills	CO-D01	374	1.7	97%	1.0	0.0	97%
	Highlands Ranch	CO-D02	335	3.5	50%	1.0	0.0	50%
	Total				709	5.2	99%	0.0
San Antonio, TX	Olmos Park	TX-S01	723	1.1	100%	1.0	0.0	100%
	Alamo Heights	TX-S02	717	0.5	100%	1.0	0.0	100%
	Shavano Park	TX-S03	651	54.0	92%	1.0	0.0	92%
	Beckmann Quarry	TX-S04	711	5.2	99%	1.0	0.0	99%
Total				2803	66.2	98%	0.0	98%
Charleston, SC	Grimsball Gates	SC-C01	417	1.7	100%	1.0	0.0	100%
	Harleston Village	SC-C02	424	2.1	100%	1.0	0.0	100%
	Stiles Point	SC-C03	419	2.5	99%	1.0	0.0	99%
	West Ashley	SC-C04	459	1.5	100%	1.0	0.0	100%
	Summersville	SC-C05	416	1.9	100%	1.0	0.0	100%
	Mount Pleasant	SC-C06	412	1.3	100%	1.0	0.0	100%
Total				2557	11.0	100%	0.0	100%

4 – DISTRIBUTE

Reports, as Excel workbooks, encrypted PDF, web pages, CSV files or XML files, are automatically distributed to email, SMS, FTP server, web server, local/network printer and file server.

Industry Ready

Water and Wastewater Treatment

Plant Supervisors need to produce monthly regulatory reports as well as operational reports for internal use to monitor and improve plant efficiency and reliability.

Food and Beverage

Food manufacturers need an audit trail of the Clean In Place (CIP) process during the cleaning of interior surfaces of pipes, vessels, process equipment, filters and associated fittings, without disassembly.

Manufacturing

Manufacturers need timely production summary reports to provide valuable insight into their operations for product quality improvements. "Out-of-box" six-sigma reports provide product quality analysis.

Machine Builders

Machine builders need Overall Equipment Effectiveness (OEE) reports that provide KPIs that take into account the various sub components of the process – Availability, Performance and Quality.

Life Sciences

Life sciences, such as pharmaceutical, need 21 CFR Part 11 features such as Security, eSignatures, Auditing, Version Control. Batch systems also need reports that represent the manufacturing of a product e.g., temperatures during a heat cycle or the alarm activity during a reaction.

Alarm Management

ISA18.2/IEC62682 Alarm Performance reports are recognized as a good engineering practice. XLReporter analyzes alarm data over a period of time and provides a detailed report that contains key performance indicators, "bad actors", alarm floods, chattering alarms, state alarms and much more.

Remote Devices

Turn raw data and alarms from remote IIoT locations into actionable reports.

Massachusetts Department of Environmental Protection - Drinking Water Program
COMPLIANCE DETERMINATION FOR FILTERED SYSTEMS - Monthly Report

SWTR ID: []

Plant Name: []
 Reporting Period: []

MONTHLY PERFORMANCE CRITERIA

1	Monthly Turbidity (NTU) Limit - The turbidity level of a system's filtered water must be less than or equal to that facility's Monthly Turbidity (NTU) Limit of less than 0.5 NTU of the measurement taken on each month for the filtration technology used, shown in SWTR TT Violation (Tit 2)
2	Max Day NTU Limit - The turbidity level of a system's filtered water must not exceed the Max Day NTU Limit for the filtration technology used, shown in SWTR TT Violation (Tit 2)

Record the date and turbidity value for any measurement exceeding the Max Day NTU Limit. Check box if "None"

Date	Value	Date Reported in DEP	Date	Value	Date Reported in DEP
12/23/2019	1				
12/24/2019	1				

For each day the Max Day NTU Limit is exceeded, the DEP Form must be filed by the end of the next business day. SWTR TT Violation (Tit 2) - If DEP is not contacted within 24 hours then it is a SWTR TT (Tit 2) violation requiring public notification within 24 hours.

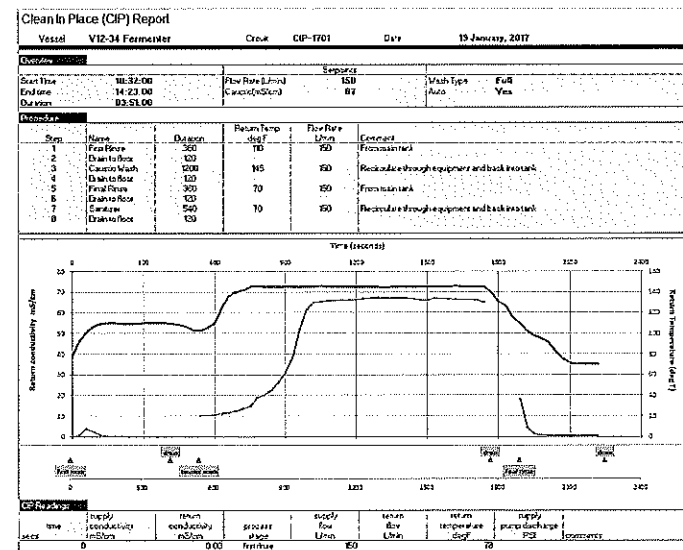
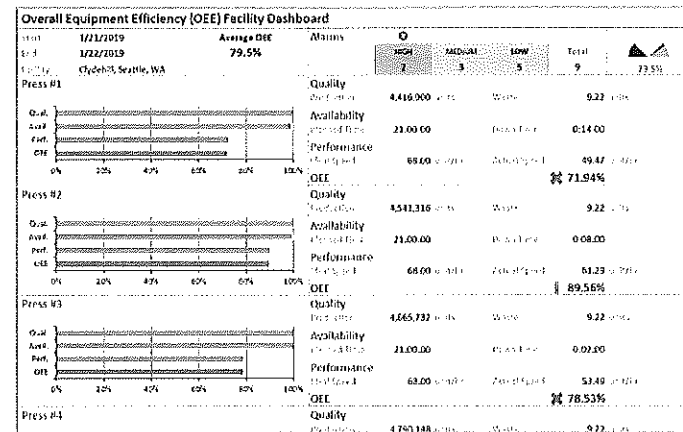
REGISTRATION PERFORMANCE CRITERIA

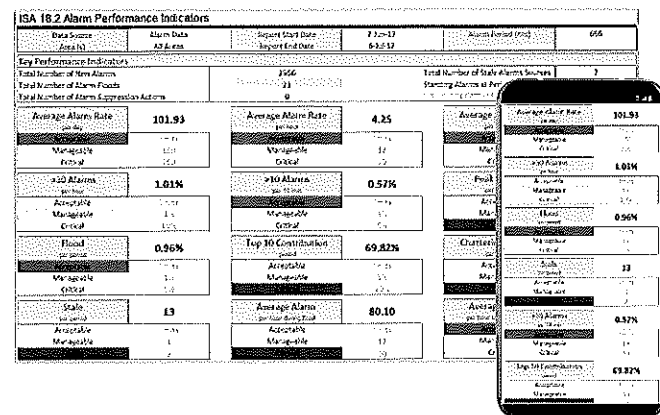
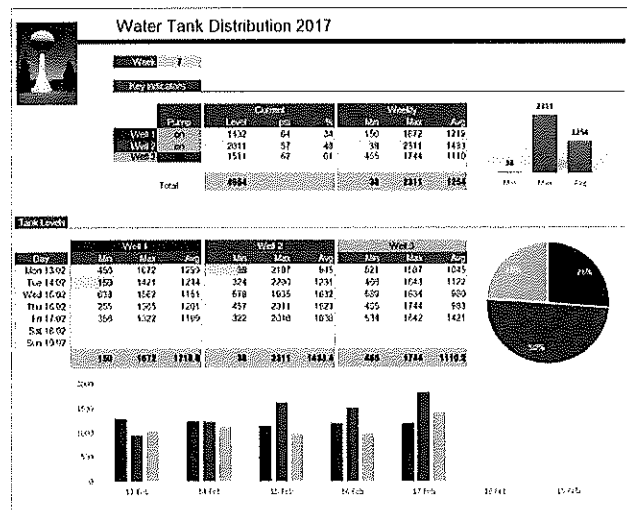
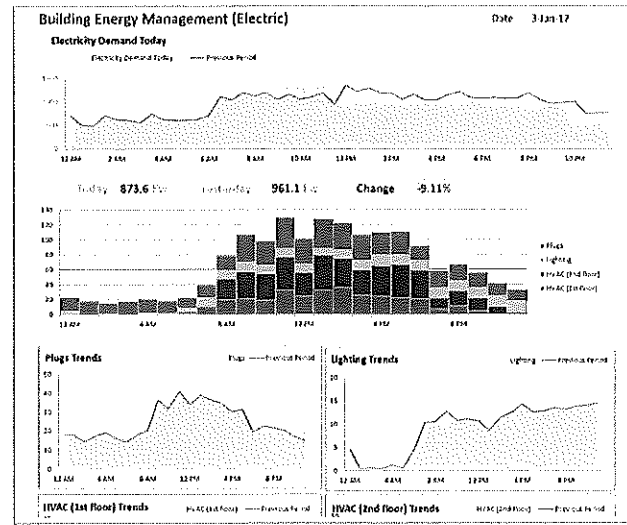
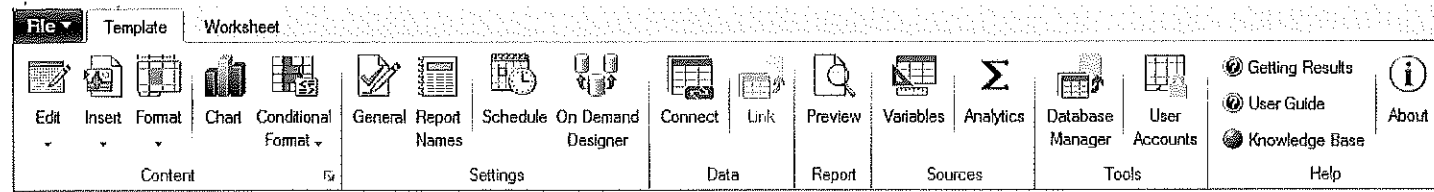
1	Point of Entry Maximum Disinfectant Residual Criteria - Residual Disinfectant concentration cannot be 0.2 mg/L for more than 4 hours (SWTR TT Violation (Tit 2))
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Minimum Disinfectant Residual at Point of Entry to Distribution System

Day	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

If at any time the residual falls below 0.2 mg/L in the water entering the distribution system, the supplier of water must notify the Department as soon as possible, but no later than the end of the next business day. The number of water distribution system's that do not meet the residual was recorded as noted in the report.





Empower Your Team

Spread the power of XLReporter throughout your organization using consistently formatted reports and forms from one central location.

From a web browser, you are ready to produce, view, print, email and share reports. User access is secured and personalized by user profiles.

True On-Demand Reporting

Enter custom setting for a template and generate a report on-demand from any windows client or device supporting a web browser.

Client requests are authenticated by secure server-side reporting services providing a fast and reliable response.

Take Reports to another Dimension

XLReporter provides layers of report analysis which would otherwise require intense manual effort or programming to accomplish.

Conditional summaries, analytical calculations, runtimes and OEE KPIs are just a few examples of the "out of the box" capabilities.

FEATURES

- ✓ Design Studio to produce workbook templates
- ✓ Award winning reporting engine
- ✓ 21 CFR Part 11 features
- ✓ Report automatically, periodically or on events
- ✓ Report on-demand, locally or from mobile devices
- ✓ Publish reports as workbooks, web pages or PDF
- ✓ Distribute reports by email, web portal or FTP

Download an evaluation copy at www.SyTech.com.



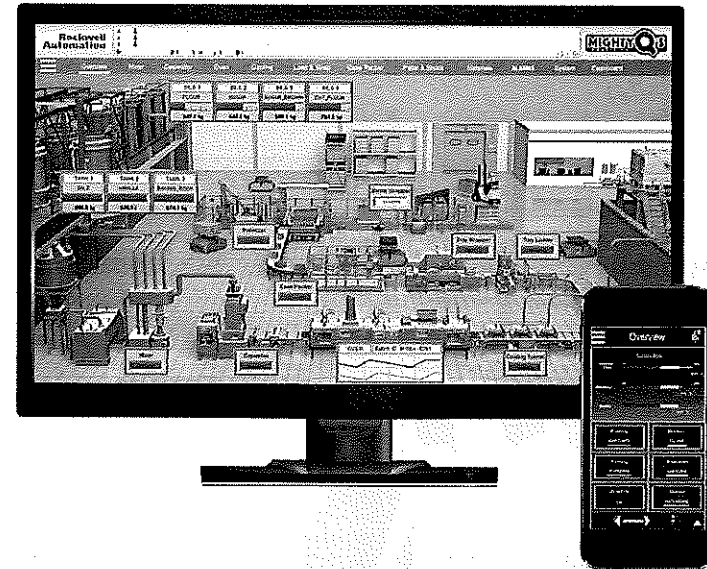
FactoryTalk® View Site Edition

Powerful, scalable visualization solutions

To meet plant floor expectations, HMI software must meet the demands of multiple stakeholders.

- Engineering and Maintenance demand ways to quickly develop applications, scale architectures, and easily maintain systems once deployed.
- Operations demands easy to understand display screens, quick access to alarming, and system-wide diagnostics.
- Production Information Technology (IT) demands system-wide security, web capabilities, highly available systems and alignment with virtualized solutions.

FactoryTalk View Site Edition (SE) meets the demands of each of these groups, providing robust and reliable functionality in a single software package that scales from a stand-alone HMI system to a distributed visualization solution. With FactoryTalk View SE, HMI challenges in process, batch and discrete applications are managed in a single software solution that enables critical visibility in realtime when and where you need it.



Features and Benefits

Premier integration with Logix controllers

- No need to create and maintain a separate HMI tag database – define tags once in Logix controller, then access them throughout your system.
- Referencing Logix controller tags directly from HMI displays provides optimized communications and display of data.
- Subscribe to Logix controller-based alarms to display, annunciate, and manage them in
- Logix extended tag properties with translated text reside in the controller and can be accessed by the HMI, reducing duplication errors and streamlining project design.

Productivity

- Take advantage of rich, reusable graphics and animation capabilities with Symbol graphic library, Global Objects, and Rockwell Automation Process Object Library faceplates.
- Integration with ThinManager software enables a single sign-in for operators by providing login credentials from ThinManager to FactoryTalk View SE clients.
- Application edits can be automatically rolled out to a running system.

Alarm configuration and management

- View and interact with alarm conditions throughout the architecture with easy-to-graphical alarm objects.
- Categorize alarms into alarm groups to control how they are viewed, filtered, and annunciated.
- Align with ISA 18.2 alarm management standards with built-in alarm features.

Mobility

- Mobile HMI provides continuous system visibility anytime, anywhere.
- Extend your applications to your favorite iOS or Android mobile device for improved real-time decision making.
- Publish HMI screens as-is, or create mobile device-specific screens for better visibility on a smaller screen.



Engineering and Maintenance

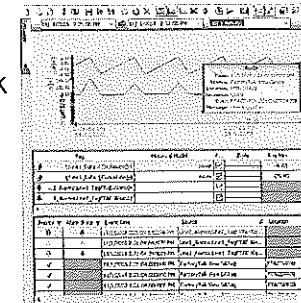
Delivering tools to quickly develop applications, scale architectures, and easily maintain systems.

DESIGN TIME EFFECTIVENESS

- FactoryTalk® View Studio provides a centralized development environment for managing and editing any components in the HMI application.
- Make and save edits to the application while the system is running with changes rolled out to clients dynamically.
- Optimize development effort by creating master graphical Global Objects that can be reused on multiple displays. At runtime, use parameters to pass and display data from multiple sources on different instances of the same Global Object.
- Quickly find and replace tags or string values throughout the application using the Find/Replace function. Then leverage the Cross-Reference capability to open a list of tag references in the project with a hot link to jump to each specific reference.
- Use the test run feature for screen validation when tags or parameter files are connected to a data source.
- Multi-language support with runtime language switching: multiple-language implementations can be accomplished by defining language context in simple to use lookup files.
- Easily edit displays, alarms, and tags with XML Export.
- Rapidly configure and control your application with pre-defined faceplates from the Rockwell Automation Library of Process Objects that link to corresponding control elements in the Logix controller.
- Integration with Studio 5000 Architect™ allows access to reusable engineering content from previous projects to speed development.

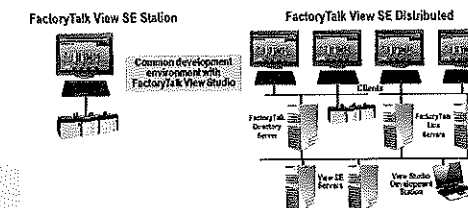
SATISFYING VALIDATION REQUIREMENTS

FactoryTalk View SE software can aid in manufacturing environments subject to regulatory compliance or in any system looking to track critical operator actions. FactoryTalk View SE software can enforce user verification, as well as E-Signature approval by a second user, before a change is committed. All HMI operator activity can be tracked in a system-wide audit trail. When FactoryTalk View SE software is deployed with FactoryTalk AssetCentre software, HMI applications can be automatically backed up and stored in a version control system. Operator actions (audits) can be displayed, along with pre values and alarm events, on the TrendPro trend object – creating a comprehensive alarms, operator actions, and system reaction.



SCALABLE ARCHITECTURE TO MEET YOUR NEEDS

- Scale from single station to multi-client / multi-server systems.
- Architect the right solution to meet today's needs while supporting future expansion as your system grows.
- Expand the capabilities of the system by integrating and sharing data with other Rockwell Software products.



Build a better view with FactoryTalk View Site Edition.

Designing and testing displays is simple with features like screen testing. This allows you to validate that variable tag displays are working as expected.

Operations

Delivering robust applications with easy to understand display screens, quick access to alarming, and system-wide diagnostics.

EXTENSIVE ALARM CAPABILITIES

Alarm monitoring is a critical function the operator must perform. The ability to quickly visualize the situation and navigate to a more detailed screen is essential when monitoring an alarm condition. Alarm management components in an HMI system must provide reliable, real-time visibility into critical conditions that require immediate attention. FactoryTalk Alarms and Events allows:

- Viewing of, and interaction with, alarm conditions throughout the architecture with easily configured Alarm Summary and Alarm Log graphical objects.
- Alarm Grouping provides logical organization and management of alarms.
- Support for server tag-based alarms, where data points in the controller are polled by FactoryTalk Alarms and Events looking for a state change as an alarm condition.
- Support for Logix instruction-based alarms, where alarms are configured in controller alarm logic instructions, and alarm status is detected by the controller as that logic is executed. Alarms are time stamped and pushed to the HMI only on state changes, reducing network traffic and resulting in more accurate alarm time stamps.
- Support for Logix tag-based alarms, where alarms are defined on tags, and are evaluated in the controller. Logix tag-based alarms are evaluated in the controller separately from logic execution, resulting in an efficient alarm system using less controller memory.

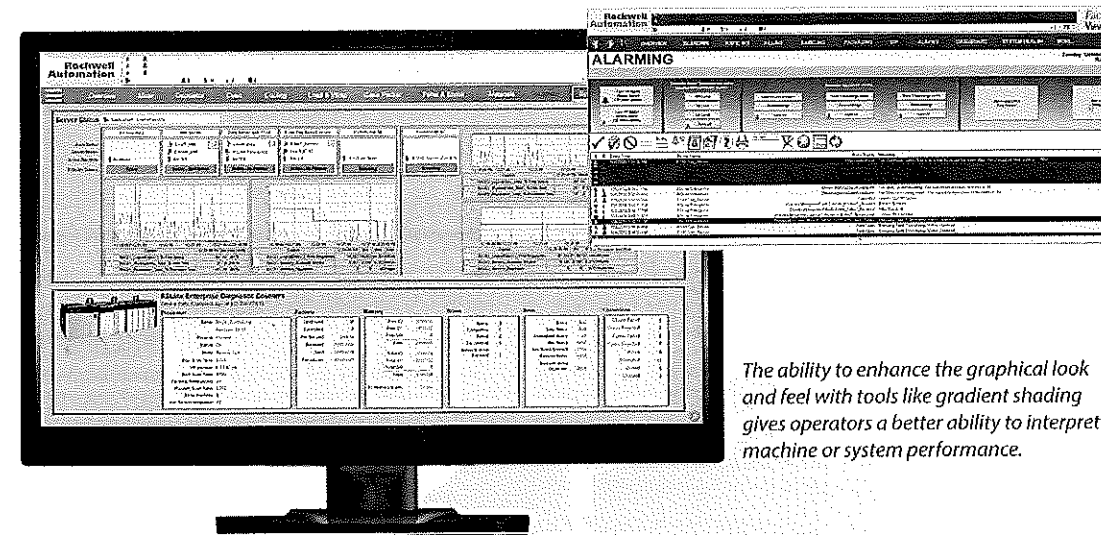
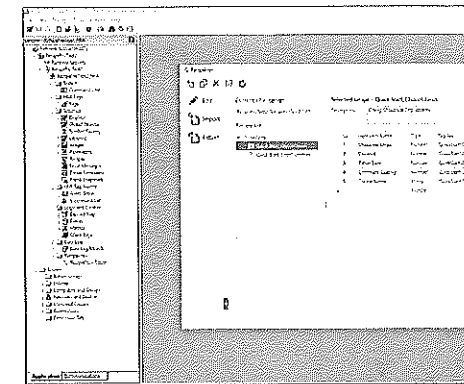
SYSTEM WIDE DIAGNOSTICS

FactoryTalk® products report, route and store information about events that happened in a system and correlate the information across multiple devices to provide a system-wide diagnostic solution for troubleshooting and determining root cause.

RECIPE MANAGEMENT

Define a group of tag values as a recipe with FactoryTalk View SE RecipePro+. Recipe functionality makes it efficient to download or upload many tag values simultaneously for machine setup or changing production settings. The RecipePro+ recipe manager allows for editing of recipes at both design and run time, and stores recipe definitions in an external recipe file. This makes it easy to create, view, edit, or backup recipes outside of the HMI system.

For RSView32 users, RecipePro+ provides automatic conversion of existing RSView32 RecipePro projects, making it easier to migrate your visualization solution to FactoryTalk View SE software.



The ability to enhance the graphical look and feel with tools like gradient shading gives operators a better ability to interpret machine or system performance.

Production IT

Delivering system-wide security capabilities, web capabilities, and support for virtualization and high availability.

Information convergence between manufacturing and business systems is crucial to drive greater business agility. To support, accelerate, and secure this convergence, Rockwell Automation and Cisco Systems have collaborated to develop **Converged Plantwide Ethernet (CPwE) Architectures** to provide education, design guidance, recommendations and best practices.

STAY SECURE



Security on the production floor is critical. Restricting who has access to the system and tracking changes when they are made is expected in today's environment. With FactoryTalk®, production system security can be integrated with an existing IT Infrastructure. This works by leveraging Windows authentication services and other security access procedures such as enforcing unique passwords or automatically locking out accounts after unsuccessful logon attempts. Security administrators have the ability to further restrict access based on line-of-sight for machine level applications.

REDUCE RISK BY MAINTAINING VISIBILITY

Implementing a redundant server configuration ensures visibility to the system should a hardware or network failure occur. The underlying FactoryTalk services provide health detection between FactoryTalk View components and automatically switch over to the secondary server in the event of a failed primary server. All clients are then switched over to the new active server to allow continuity for operations personnel to control vital plant processes in realtime.

STEP INTO THE WORLD OF VIRTUALIZATION

All components of a FactoryTalk View SE system have been tested in a virtualized environment and come with VMware® Ready Status. To further support virtualization, Rockwell Automation offers **Virtual Image Templates** that provide pre-installed FactoryTalk View SE on the appropriate Microsoft operating system, minimizing the setup and configuration time to deploy FactoryTalk View SE in a traditional IT environment.

Technology Partnerships

Microsoft

Creatively applied technology can drive innovation in many ways – from manufacturing methods to business models. Rockwell Automation® and Microsoft® have joined forces to accelerate this innovation for both Operations and IT practitioners, empowering their solutions in transformative and powerful new ways. [Learn more](#)

Cisco Systems

Rockwell Automation and Cisco are committed to being the most valuable resource in the industry to help manufacturers improve business performance by bridging the technological gaps between plant-floor and higher-level information systems. Through successful collaboration on products, services and educational resources, these industry leaders enable manufacturers to converge their network infrastructure and tightly integrate their business systems using EtherNet/IP – the world's leading open industrial Ethernet protocol. [Learn more](#)

Get More Information

For ordering information, contact your local Rockwell Automation® sales office or Allen-Bradley® distributor. Or learn more by visiting [our website](#).

Extending Your HMI

Delivering anytime, anywhere access to contextualized manufacturing data for more informed, faster business decisions.

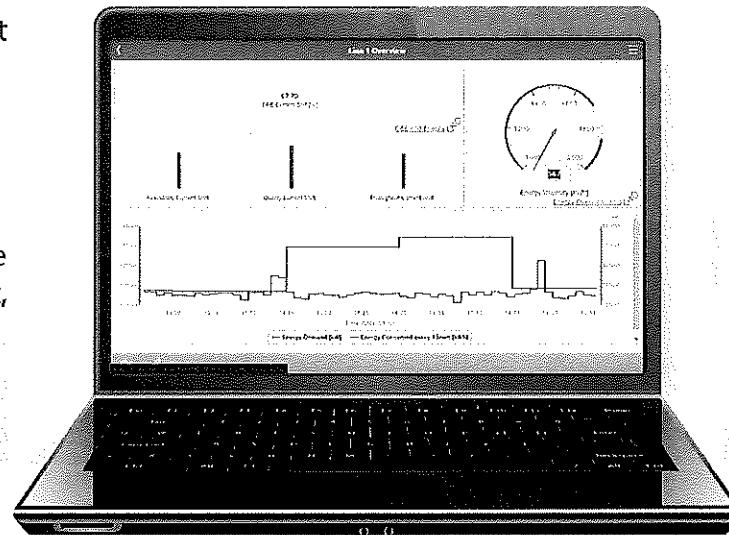
HISTORICAL AND TRENDING DATA AT YOUR FINGERTIPS

FactoryTalk® Historian establishes a reliable foundation for capturing the data you need to improve operations. Powerful reporting and trending tools provide critical insight into performance parameters and are available at high speed and full resolution for any control system or human-machine interface (HMI) software.

[Learn more](#)

THE GATEWAY TO A WEALTH OF INFORMATION

Most of what manufacturers need to know about their production operations is buried in their greatest hidden asset—their manufacturing data. FactoryTalk VantagePoint EMI is the gateway to that data and enables individuals to explore the wealth of information buried within the data. This software offers mobile access via any smartphone or tablet, and the ability to view web-based reports and KPI dashboards delivered through the software portal. [Learn more](#)

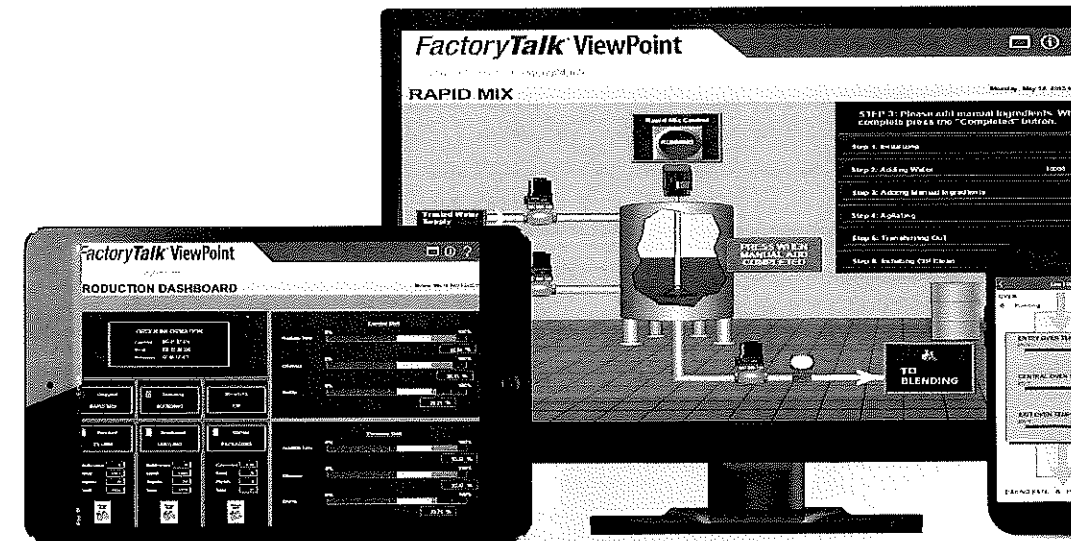


Real-time data coming from the controller can be contextualized against historical data from FactoryTalk Historian.

MAKE YOUR HMI MOBILE

FactoryTalk ViewPoint allows you to view and interact with your FactoryTalk View SE a from a web browser or your favorite mobile device, providing continuous system visit and improving real-time decision-making. As an add-on to FactoryTalk® View SE and PanelView™ Plus, FactoryTalk ViewPoint delivers:

- A truly interactive web based HMI experience without requiring any additional de
- Full support for graphics and configured animations.
- Configurable security to provide users with read only or read-write access.
- Real-time and historical trending.
- A maintenance free browser-based client with no additional software to install ar
- Support for Windows, iOS, and Android with HTML 5 rendering.
- For more information, view the [Make Your HMI Mobile](#) video.





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