



Scalable control at a glance

RC-WebView is an easy to use, browser-based building management solution that allows operators and administrators to efficiently manage any BACnet[®], Internet-connected building. RC-WebView combines the power of enterprise tools with a simple interface that connects multiple, independent control systems into a single Enterprise Website. Accessed by a secure Single Sign-On (SSO), RC-WebView empowers you to have scalable visibility and control at a glance.



Better by design

WWW.RELIABLECONTROLS.COM/RCWV



PRODUCT FEATURES

BACnet Operator Workstation

- Web server that meets or exceeds the BACnet Operator Workstation profile (B-OWS).
- Access any 3rd party Internet-connected BACnet system configured with System Groups.
- Access and change the value/state of BACnet Inputs, Outputs, Values, Schedules, Programs, Groups, Alarms, Single-Point Trend Logs, Multipoint Trend Logs and Notification Classes.
- Create, modify, and delete Single-Point Trend Logs, Multipoint Trend Logs, Notification Classes, Point Reports and Programs.
- Graph and print Trend Logs and Runtime Reports.
- Render HTML5 animations on System Groups

Navigation Groups

- Create nested background image maps that can be populated with multiple objects and links for seamless navigation.
- Links can be web URLs and RC-WebView visual elements such as System Groups, Schedules, other Navigation Groups and alarm summaries.

Enterprise Schedules

- Create hierarchical and exception schedules across multiple devices and multiple systems.
- Block schedules allow any existing schedule to be assigned as a member of a named list that can be enabled/disabled according to a user-defined schedule.
- Cleanup Configuration service automatically or manually clears out expired events.
- View a list of pending updates using the Enterprise Schedule Queue feature.

Audit Trail

- Automatically records every change made by a user, including administrators.
- Tracks alarm properties, and allows user-configurable or context-sensitive filtering.
- Allows user-configurable or context-sensitive audit log filtering to support Title 21 CFR Part 11 requirements.
- Controlled by password security level.
- Digitally signs audit logs to ensure authenticity to support Title 21 CFR Part 11 requirements.

Gallery

- Access and manage banner images, Navigation Group graphics, and logos.

Enterprise Websites

- Create multiple Enterprise Websites.
- Add multiple existing BACnet IP systems to a single Enterprise Website (IP connections limited by licenses purchased).
- Access an Enterprise Website using a Single-Sign-On (SSO).
- Access Active Directory authentication or use local authentication module.
- Create scalable and fully customizable user interfaces with Enterprise Schedules, Navigation Groups, Navigation Trees, and Users.

Navigation Trees

- Create a unique menuing system for any user or user role within the entire enterprise.
- Links can be web URLs and RC-WebView visual elements such as System Groups, Schedules, other Navigation Groups and alarm summaries.

After Hours Services

- Allows building tenants to request, and managers to approve, zone operation outside of regularly scheduled periods.
- Report feature summarizes after hours activity and associated costs.

Title 21 CFR Part 11 Security Options

- Change Approval option enforces user to authenticate their system changes.
- Password Expiry option enforces new password creation at a user-specified frequency.
- Lockout Settings option enforces an automatic lockout of user credentials after a user-configurable number of failed log on attempts.
- Watermark option enforces a user-specified watermark image on all pages printed from the system.
- Security Certificate option enforces a default or user configurable security certificate to validate all exported logs.
- Supports TLS 1.2.

Users

- Flexible permissions allow administrators to configure the accessibility of all objects and services per user or by user role.

Panel File Backup and Restore

- Back up and restore BACnet Devices.
- Schedule Auto Network Backups.

PRODUCT FEATURES

Alarms

- Displays global alarm summary from all systems within an Enterprise Website.
- Allows user-configurable or context-sensitive alarm filtering to support Title 21 CFR Part 11 requirements.
- Numerous alarm properties (i.e. Alarm Time, Type, Message, State, etc.) can be toggled for display by user.
- Alarm columns can be repositioned by user.
- New alarms appear as convenient pop-ups.
- Notification Classes worksheet configures alarm properties, broadcast destinations, and email recipients.
- Parameters within the email title and body are entirely configurable. The email message can also be configured to include links which when clicked, conveniently redirect the user to specific areas within RC-WebView related to the alarm.

License and Updates Subscription

- Licensing is limited by the number of unique IP connections.
- Up to a maximum of 500 IP connections per server.
- 12 month updates subscription included with initial license purchase.
- Software continues to function regardless of subscription state.
- No penalty to renew expired subscriptions.

Programs

- Editor for writing Program code, including syntax highlighting, trace flags, and Watch lists.

BACnet File Services (BFS)

- When enabled in RC-Studio 3.6.1 or higher, RC-WebView can serve as a repository for storing and distributing the files contained in the **Resource Files** section of the Resource Manager.

Language Support

- Supports common international languages.

Certifications

- [BTL listed \(B-OWS\)](#).

TECHNICAL SPECIFICATIONS

Recommended Server Requirements

- All hardware rated for continuous server operation.
- Intel Xeon E3 3.10GHz, or better.
- 4 cores must be available for RC-WebView*.
- x64 system architecture.
- 16 GB RAM.
- Hardware RAID in a redundant performance configuration with 10K RPM SAS drives or better.
- 15 GB hard disk space free.
- Internet connection required for software download and installation.
- Gigabit Network Interface Card (server quality).
- Windows Server 2012 R2 Standard - Windows Server 2016.
- Microsoft SQL Server 2014 (x64) - Microsoft SQL Server 2016.
- Router with firewall enabled (Broadband network connection with a minimum upload speed of 1 Megabit per second).
- Maximum Configuration: 500 connections per server.

* When multiple products are installed on a single computer: 2 cores per product, plus at least 2 cores for the SQL database.

Browser Support

- Chrome.
- Internet Explorer 11+.
- Safari.

ORDERING

RC-WB3

- Base software license with no connections, expandable to a maximum of 500 IP connections.

RC-WB3-1A

- Adds 1 unique IP connection to existing license (must have previously purchased RC-WB3).

RC-WB3-25A

- Adds 25 unique IP connections to existing license (must have previously purchased RC-WB3).

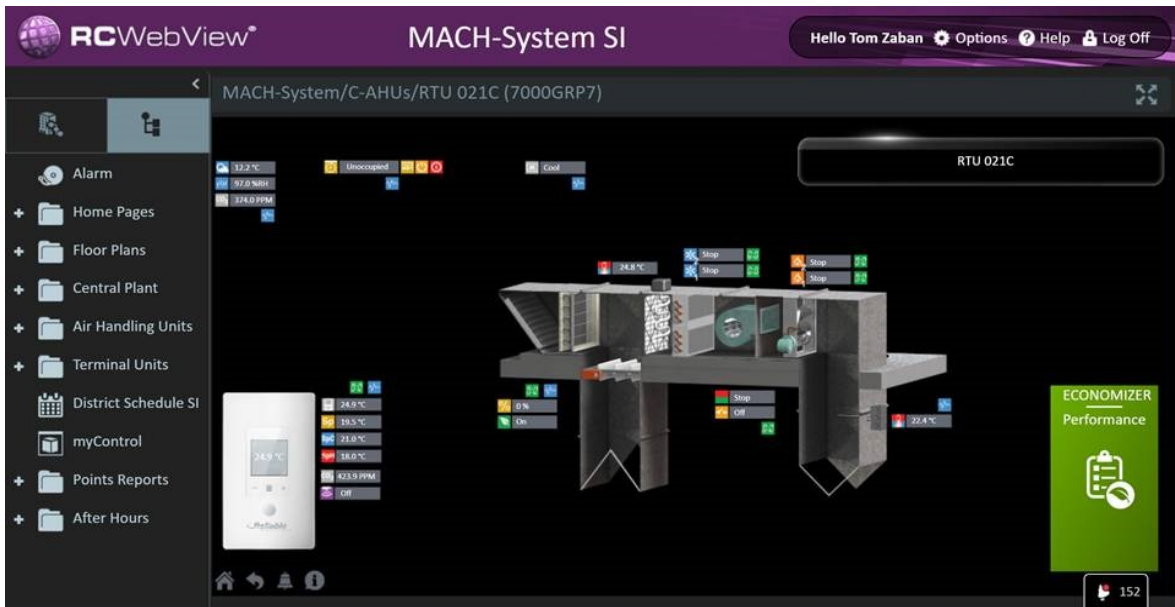
RC-WB3-S

- Subscription for 12 months of online software updates.

SCREEN CAPTURES

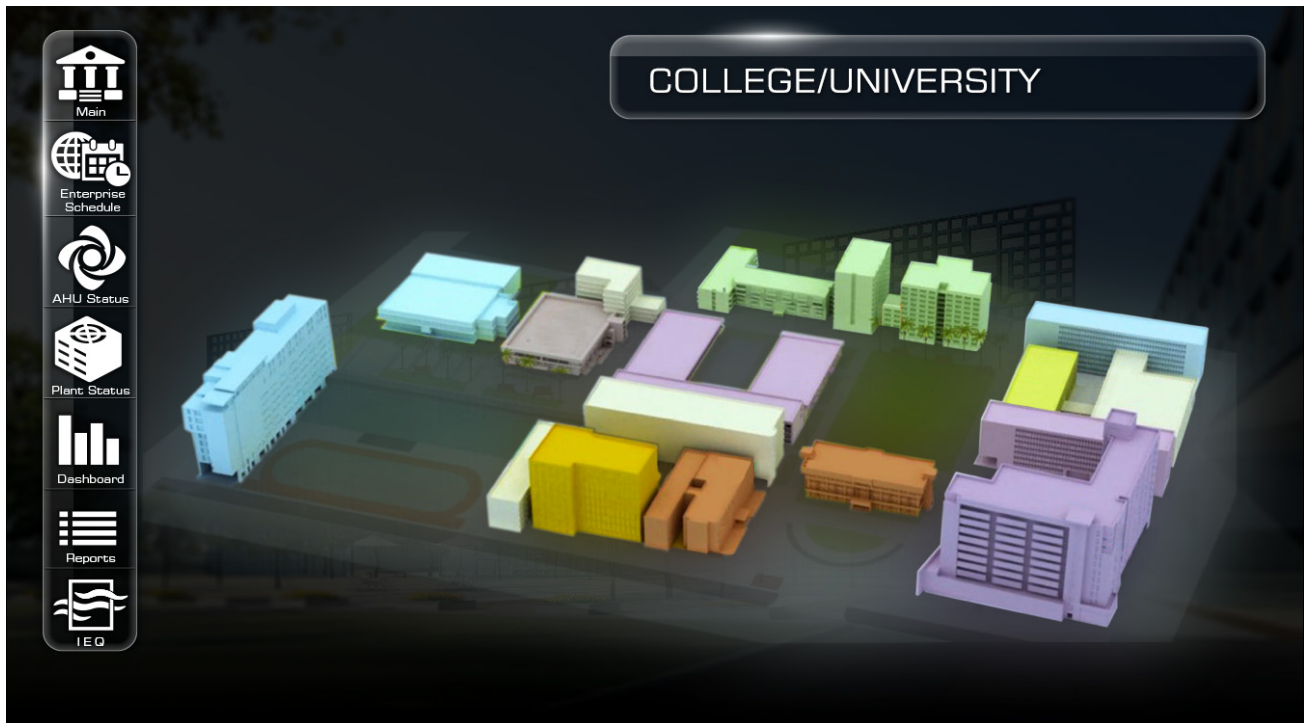


System Group - Building Summary

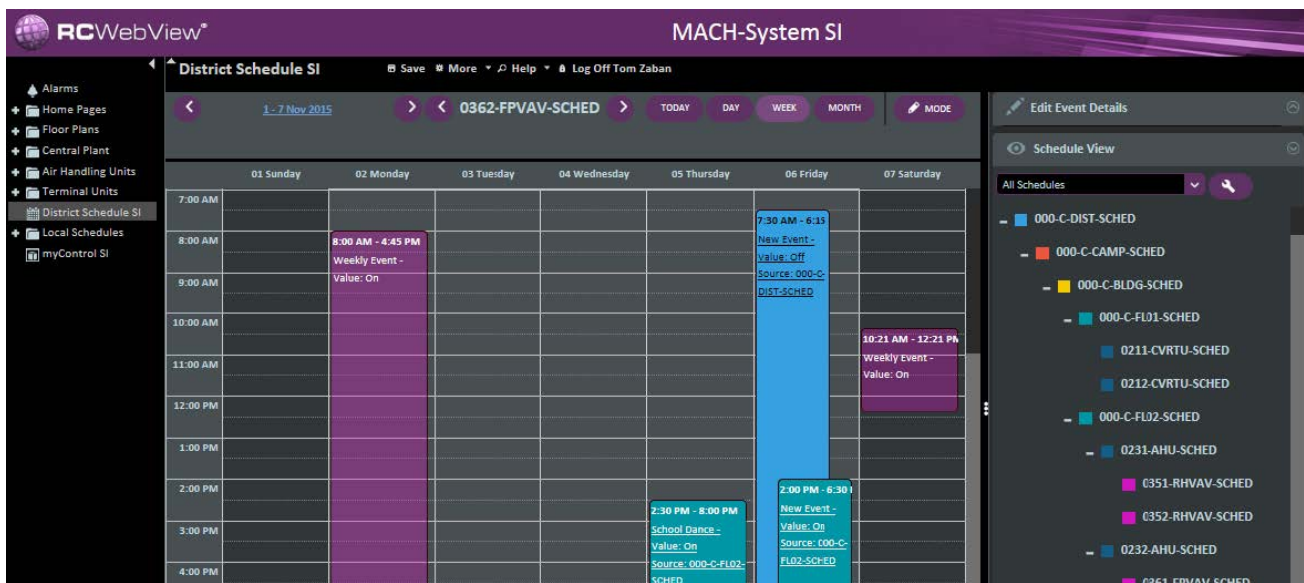


System Group - Equipment Details and IFDD

SCREEN CAPTURES



Navigation Group



Enterprise Schedule

SCREEN CAPTURES

RCWebView® site1 Hello Tenant Options Help Log Off

Canada - After Hours Report

Reliable Controls Corp. 120 Hallowell Rd. Victoria, BC V9A7K2

Period: 3/12/17 - 3/18/17 Show future events

Request	User	Event	Source	Service	Start	End	Rate	Hours	Cost	Reason
3/13/17	Tenant	Appointment 2	BC	3/14/17	8:30 AM	9:30 AM	\$10.00/hr	1.00	\$10.00	...
3/13/17	Tenant	Appointment 4	Victoria	3/14/17	12:00 PM	1:15 PM	\$5.00/hr	1.25	\$6.25	...
3/13/17	Tenant	Appointment 3	Canada	3/14/17	10:00 AM	11:00 AM	\$5.00/hr	1.00	\$5.00	...
3/13/17	Tenant	Appointment 3	Victoria	3/14/17	10:00 AM	11:00 AM	\$5.00/hr	1.00	\$5.00	...
3/13/17	Tenant	Appointment 3	BC	3/14/17	10:00 AM	11:00 AM	\$10.00/hr	1.00	\$10.00	...
3/13/17	Tenant	Appointment 4	Canada	3/14/17	12:00 PM	1:15 PM	\$5.00/hr	1.25	\$6.25	...
3/13/17	Tenant	Appointment 4	BC	3/14/17	12:00 PM	1:15 PM	\$10.00/hr	1.25	\$12.50	...
3/13/17	Tenant	Review	BC	3/14/17	2:00 PM	3:00 PM	\$10.00/hr	1.00	\$10.00	Review meeti...
3/13/17	Tenant	Review	Victoria	3/14/17	2:00 PM	3:00 PM	\$5.00/hr	1.00	\$5.00	Review meeti...
3/13/17	Tenant	Appointment	Canada	3/14/17	7:00 AM	8:00 AM	\$5.00/hr	1.00	\$5.00	...
3/13/17	Tenant	Appointment	Victoria	3/14/17	7:00 AM	8:00 AM	\$5.00/hr	1.00	\$5.00	...
3/13/17	Tenant	Review	Canada	3/14/17	2:00 PM	3:00 PM	\$5.00/hr	1.00	\$5.00	Review meeti...
3/13/17	Tenant	Appointment 2	Victoria	3/14/17	8:30 AM	9:30 AM	\$5.00/hr	1.00	\$5.00	...
3/13/17	Tenant	Appointment 2	Canada	3/14/17	8:30 AM	9:30 AM	\$5.00/hr	1.00	\$5.00	...
3/13/17	Tenant	Appointment	BC	3/14/17	7:00 AM	8:00 AM	\$10.00/hr	1.00	\$10.00	...
Total									15.75	\$105.00

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After Hours Report

RCWebView® MACH-System Hello Reliable Controls Options Help Log Off

Audit Trail

Time	User	IP Address	Point Name	Action	Details	Reason	System	Validated
Sat, July 27, 2019, 11:41:27 AM	tully		MACH-System/F-Home/Floor/X31-F-RM107-RMT (1000AV123)	Changed analog value.	Point changed to 68.9 Auto.		MACH-System	
Sat, July 27, 2019, 11:40:58 AM	tully		MACH-System/F-Home/Floor/X31-F-RM107-RMT (1000AV123)	Changed analog value.	Point changed to 68.9 Timed.		MACH-System	
Mon, April 2, 2018, 06:11:41 AM	gbates@reliablecontrols.com		MACH-System/F-Home/Floor/X31-F-RM110-RMT (1000AV126)	Changed analog value.	Point changed to 85.3 Auto.	Release	MACH-System	
Mon, April 2, 2018, 06:11:29 AM	gbates@reliablecontrols.com		MACH-System/F-Home/Floor/X31-F-RM110-RMT (1000AV126)	Changed analog value.	Point changed to 85.3 Auto.	Release	MACH-System	
Mon, April 2, 2018, 06:10:06 AM	gbates@reliablecontrols.com		MACH-System/F-Home/Floor/X31-F-RM110-RMT (1000AV126)	Changed analog value.	Point changed to 85.3 Timed.	Test	MACH-System	
Sat, January 20, 2018, 09:15:51 AM	Admin		MACH-System/F-Plant/011-F-WCHW-CHWS-T (2000AV27)	Changed analog value.	Point changed to 90 Auto.		MACH-System	
Sat, January 20, 2018, 09:14:44 AM	Admin		MACH-System/F-Plant/011-F-WCHW-CHWS-T (2000AV27)	Changed analog value.	Point changed to 90 Manual.	test	MACH-System	

Audit Trail

SCREEN CAPTURES

[Click here](#) to learn how to enable settings for Title 21 CFR Part 11 compliance.

Change Approval

☐ Enforce Change Approval
Approval password required for system changes every minutes.

Password Expiry

☐ Enforce Password Expiry
Password expires every days.

Lockout Settings

Number of attempts before lockout:

☐ No Lockout
☐ 15 Minute Lockout
☐ Requires Administrator to Unlock

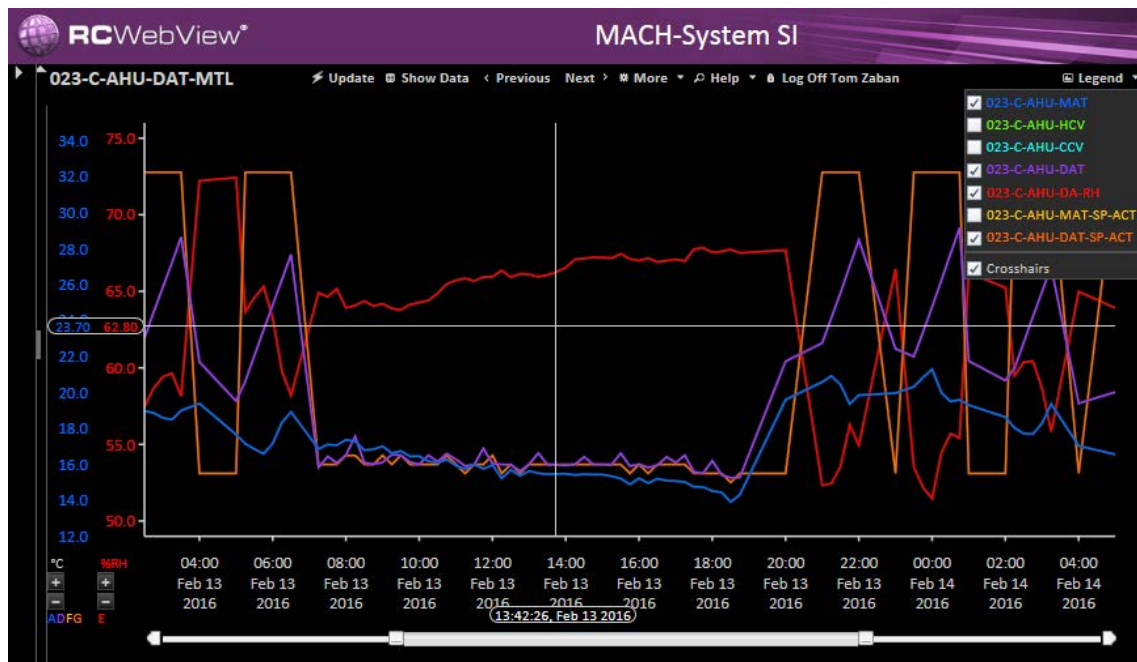
☐ Watermark

Insert watermark when printing.
default-watermark.png

Signature Certificate

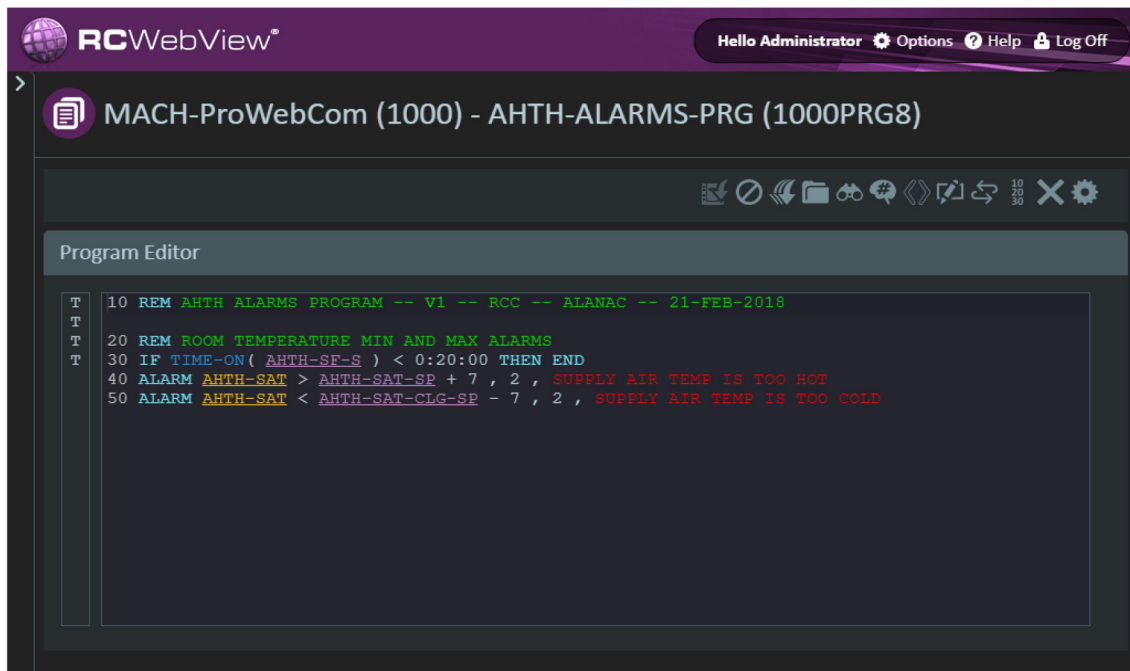
RC-WebView Default Security Certificate

Title 21 CFR Part 11 Security Options



Trend Log

SCREEN CAPTURES



Program Editor

Dealer Information: SERV-ALL Specializing in Building Performance SERV-ALL Mechanical Services Ltd. 1.877.824.6933 SERV-ALL.ca
