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Megatrends are driving opportunity

EcoStruxure™ Building* solution delivers results

- Real Smart: Protect building investment
- Real Simple: Maximize efficiency
- Real Performance: Increase productivity

Scalable, open and secure platform provides foundation

- Proven Software: StruxureWareTM Building Operation
 - Ease of use and simplification features
- Harware Innovation: SmartX Controllers AS-P and AS-B & AS-BL

StruxureWare v1.9.1 new offer highlights







Today, megatrends are changing needs of buildings markets



Digitization

Number of connected devices in buildings

1.7bn

2014

5.5_{bn} **x3** 2020

World **Urban Population**



+2.5bn

2014 - 2050

Climate Change & Regulations

Electricity consumption in buildings will grow by

> 80% by 2040

Driving new opportunities for more...



People Productivity & Experience

- Employee productivity
 (People cost is 10-40x building maintenance cost)
- Patient satisfaction (top concern)
- Guest room problems in hotels represent 42% of complaints & decrease loyalty by 11.6%

Operational Efficiency

75% go to maintenance & operations of a building's lifetime costs

Lifetime ROI
different approaches to maintenance

1X
5X
10X
Reactive Preventive Predictive

Energy Efficiency

30-50%

Energy efficiency potential

through active control of the building space



Faced with growing challenges and greater bottom line responsibilities, enterprises demand a comprehensive building solution that breaks through traditional information silos to:

- > ensure comfortable, productive environments
- > update aging facilities and simplify day-to-day operations
- > optimize energy consumption
- > provide anytime, anywhere access to building information





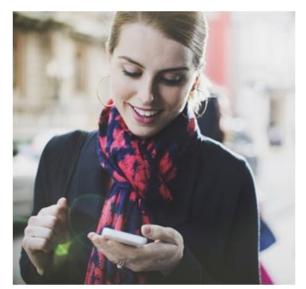
Eco Etruxure Building combines proven software and hardware innovation with engineering, installation and services to make buildings:





Smarter.

Gain insight across systems and access actionable information for ROI-driven decision making





More Efficient.

Increase building efficiency to reduce energy consumption and costs





More Sustainable.

Create a comfortable environment that boosts productivity and improves facility value



Schneider Electric's comprehensive **EcoStruxure™ Building** solution was designed with occupants' needs and comfort foremost in mind.

- Combines proven building management software and hardware innovation with services to future-ready buildings
- Provides a scalable, open and secure loT platform to proactively solve today's challenges while preparing for tomorrow







Real Smart

Streamline integration across your enterprise to drive efficiency

Deploy scalable, open and secure architecture

- Integrate any building management application or system
- Leverage native support for open protocols including LON ®, BACnet™, Modbus® and Web Services

Breakdown traditional information silos

- Monitor and manage building systems and devices on one network
- Easily incorporate Web Services to access external data such as weather and utility costs
- Integrate and optimize across multiple enterprise domains with Schneider's Power, Data Center and other offers

Protect against the most malicious attacks

 Protect investment with best-in-class cybersecurity to keep building systems up and running





Real Simple

Access the right information when, where and how you want it

Gain 24/7 access to building information

 Manage your facility on the go with intuitive mobile user apps and a full-function, browser-based WebStation user interface

Allow users to personalize their workspace

 Organize interface by individual users to suit assorted needs and roles

Simplify day-to-day operations with user-friendly functionality

 Optimize building operations with drag-and-drop trending, one-click reporting, interactive graphics, calendar-like scheduling and easy-to-use alarms





Real Performance

Optimize building performance to maximize energy efficiency

Realize significant savings

Speed installation and enhance building operation and maintenance

Create a healthy, sustainable environment

- Attract and retain employees and occupants
- Ensure your facility meets government efficiency requirements and qualifies for tax-based incentives

Turn data into actionable intelligence

Leverage out-of-the box reporting and trending tools that provide actionable intelligence



on energy costs





Proven Software: StruxureWare™ Building Operation

Integrate energy, lighting, HVAC and fire safety systems to automate, control and monitor buildings



StruxureWare[™] Building Operation software integrates multiple systems and devices to collect, analyze and manage data across the enterprise.

- Monitor, manage and control building operations on one network to increase efficiency
- Turn system data into actionable intelligence to optimize building performance





Enterprise Server

The core of the enterprise system

Powerful

- Collects site-wide data
- Scalable to manage multiple Automation Servers

Secure

- Fully secure integration into Windows Domain user accounts
- One less IT admin tool
- Ensures policy adherence

Traceable

Complete audit trail

Open protocol support

 Provides seamless gateway to extensive range of Schneider Electric and many third-party devices

Store and archive alarm, trend and event data

Virtually unlimited data storage





Proven Software

Dedicated machine software for programming, engineering and operation functions

User friendly

- Individual personalized workspaces
- Simple alarms, events and schedule configuration
- Intuitive address bar contains simple screen navigation commands

Efficient

- Mass change/multi-select functionality
 - Implement changes across many points with one click
 - Enforce policy site-wide with one click

Powerful alarm management

· Prioritize, filter and group

Licensing based on number of concurrent users



WebStation

Web browser operator interface for system access anywhere, anytime

Direct access using a standard web browser

No additional software needed

Delegate responsibilities and perform everyday operations

- Same customized Workspaces as configured for WorkStation
- View graphics, trends, schedules and reports
- Change values (e.g. temperature set points)
- Update schedules
- Manage alarms and users

Secure access

- WebStation requires user name and password for log on
- HTTPS authentication using transport layer security (TLS)





Proven Software

Expand connectivity and control to building occupants

Technician Tool

- Convenient access using a single app from mobile devices (iOS[®] and Android[®])
 - View and manage values, alarms, schedules and trend log lists

AdaptiApps

- Custom user app development kit to design apps specifically for site occupants and their individual roles
 - Simplify user experience while providing an additional level of control to help improve operational and energy efficiency









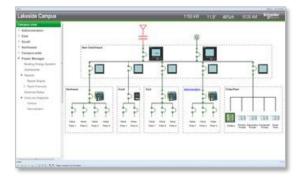
Proven Software

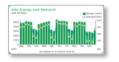
Gain additional control of your enterprise with embedded software modules

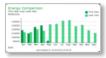
Power Manager

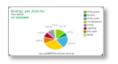
- Monitor, measure and optimize your building's non-critical power in the same way as HVAC, lighting and fire safety systems – and gain insights through a single view to:
 - Ensure electrical network health
 - Increase power quality awareness
 - Improve energy accountability
- Content is accessible through WebStation and WorkStation
- Designed for non-electrical experts















New Access and intrusion security offers

Keep building occupants safe, assets protected, information available, and cyber risks reduced

EcoStruxure[™] Security Expert (available globally, except US & Canada)

- Best-in-class access control and intrusion detection from purpose-built field controllers, RFID Smartcard Reader technology and application software that meets regional certification and | localization requirements
- An autonomous solution that integrates with StruxureWare Building Operation software to deliver visualization and control of the entire building

Security Expert

AccessXpert Enterprise Security Solution (available in the US & Canada only)

- AccessXpert evolves security operations, enabling personnel to operate with maximum efficiency in today's constantly changing, mobile environment
- A simplified user interface, open protocol support, mobile device options, and Web- and cloud-based architecture options deliver new capabilities without complex learning curves

Learn more about EcoStruxure Security Expert <u>here</u>, and more about AccessXpert <u>here</u>





Enhanced cybersecurity features

Reduce cyber threat risk as technology evolves

StruxureWare Building Operation software

Secure Development Lifecycle (SDL) policy

Processes assure resilience and formal customer response

Advanced encryption and authentication

Secure communications throughout system

Secure by default features

Assure out-of-the-box protection

IT system integration

- Enable IT management of user and password policies
- Enable IT monitoring of system events

Full system backup, recovery and reconstitution

Minimize downtime

Technology highlights:

- TLS 1.2 support
- CA Certificates
- Secure email
- Password policies
- Change password on first use
- Auto logoff timers
- Role-based access control (RBAC)
- Object level security
- Active Directory integration
- Audit logs
- System information and event monitoring (SIEM) integration







Monitor, manage and control your facilities to simplify day-to-day operation



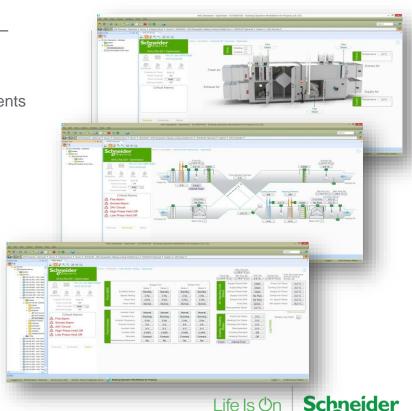
Graphics

Get attractive and user-friendly graphics that make the system easy to use and manage

User Experience Features

- Scalable vector graphics high-quality in all sizes and on all devices supports HTML5 (WebStation only) for graphics and trend charts
- Quickly and easily create, modify, replicate and edit graphical elements
 - Graphics Support Services also available
- Graphics can change color for intuitive views of temperature variation and/or alarm status

Use a wide variety of high quality graphics to create different schematics



Personalized user interface

Organize workspace views to meet your individual or project needs

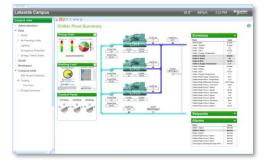
Create an individualized view for each user or group of users

Ability to focus on what is important different users

- CEO
- Facility Manager
- Occupants

Preferences follow the user so they see their layout wherever they log in

User Experience Features







User Experience Features

Identify issues immediately to mitigate risks and gain insight to the source of system concerns

Active alarm and event management

- SNMP alarming notification option
- Integrated email notification, scheduled assignments, notes and checklists
- Virtually all services can be flagged for early detection and warning capability
- View and manage values, alarms, schedules and trend log lists

Graphical alarms

 Attach graphics to alarms for a picture perfect display of system status during and leading up to the alarm

Protection

· Choice of single or double acknowledgement of alarms, per company policy





Schedules

Conveniently manage sites 24/7 by building or by floor based in your specific needs

User Experience Features

Master schedule

Manage multiple building effectively

Easy to use

- Text or graphic based functionality
- Simple to configure special events using Microsoft® Outlook-like recurrence
- Change set point values directly from the schedule

Prioritize events

- Assign priority level to events
- Use "combined view" to see resulting schedule

Calendars

Holiday exceptions entered once and then reflected in all schedules







Reports

Understand building data for insights and to share with stakeholders

Powerful graphical reporting tool

- Customized reports
- Out-of-the-box reports
 - Energy consumption reports
 - Alarms and trends comparison

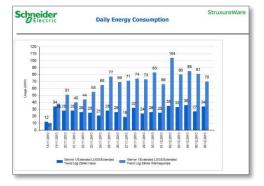
Easy configuration

 Based on any pre-configured or ad hoc criteria including date range, cost, consumption and CO₂ emissions

Viewable through WorkStation or WebStation

Simplify user experience while providing an additional level of control to help improve operational and energy efficiency

User Experience Features









Trends

Turn building data into actionable intelligence for better system performance and insight

User Experience Features

Historical data

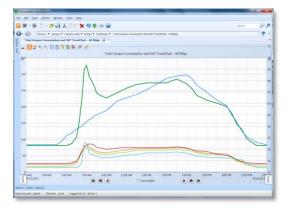
- Business performance data based on history, people, locations, etc.
- Internal, External, Implicit, Meter Logs

Export logs

Variety of standard reporting formats including .csv and .xml

Flexible

- Data presentation in table or chart view
- Create an ad hoc trend chart from any point
- Drag and drop points onto trend chart
- Roll over to highlight values





Localization

Accommodate global enterprises with versatility across geographies

User Experience Features

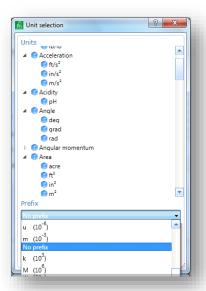
Flexible

- Seamless unit conversion across multiple geographic locations and measurement systems
 - Example: User can log into the application in France and see
 U.S. measurements

Supports multiple time zones for servers and clients

Standardized support for 10 languages

- Chinese (simplified), Danish, Finnish, French, German, Italian, Portuguese, Russian, Spanish, Swedish
 - Translation tool available for others
- Easily change language from WorkStation





WebHelp

Get convenient, secure, intelligent online help for users

User Experience Features

WorkStation machines with Internet access automatically link to up-to-date information

Powerful search and filtering capabilities

- Context specific search menus
- Linked to where you ask for help

Rank and comment on WebHelp

Linked to community portal

Find and share resources

Create, store and email PDF files







Leverage EcoStruxure[™]-ready connected products



SmartX Controller – AS-P

Next generation automation server

Ideal for enterprise installation and transition simplification

- Network controller and server in one
- Faster dual-core processor for improved performance
 - 4-6 times faster on power cycling, deploy, backup, import and export tasks
- 512 MB RAM memory size 4 times the Automation Server
- Dual Ethernet ports, future-ready to elevate BACnet IP communication to the field controller level
- Communications hub: BACnet, LonWorks, Modbus, Web Services
- Centralized control, database, serving out to user interfaces (WorkStation, WebStation and apps)

Now with UL-864 certification for smoke control

Click here to learn more about the SmartX Controller – AS-P







SmartX Controllers - AS-P & AS-BL conform to the BACnet® B-BC profile at protocol revision 12



SmartX Controller – AS-B & AS-BL

Compact, powerful all-in-one BMS

Ideal for small-to-medium main plant control applications

- Powerful, compact all-in-one design
- Flexible onboard universal I/O configurations (24 or 36 points)
- Built-in power supply
- Increased serviceability: manual override option
- Lower total installation costs

SmartX Controller - AS-BL

- Serves as a BACnet IP controller when no communication with the field bus devices is required
- Single RS-485 port: available on the AS-B only

Click here to learn more about the SmartX Controller – AS-B & BL

Hardware Innovation





SmartX Controllers – AS-P & AS-BL conform to the BACnet® B-BC profile at protocol revision 12



SmartX Controllers pave the way for enhanced IP communication

Faster, more reliable communication

- · IP communication is faster!
- IP communication at the field bus level removes "single point of failure"

Increases cybersecurity effectiveness

 Cybersecurity features are more effective at the field bus level – e.g. encryption

Leverages service offers

- Faster communication = greater data collection
- Greater site impact when combined with services

Greater architecture design flexibility

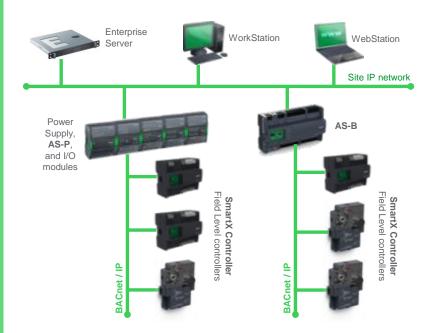
Various architecture topologies

Easier to support, lower maintenance costs

- · Easier to troubleshoot
- Faster to upgrade and apply hot fixes







Solution Architecture

using SmartX Controller products (to be released now through 2018)

Extends IP communication throughout the Field Controller Level



SmartX Controller – AS-P and I/O modules

Modular and scalable footprint to meet your specific needs

Hardware Innovation

Each SmartX Controller - AS-P server supports up to 32 I/O modules

- Includes AS-P, Power Supply and associated I/O modules
- Extension cable for multiple row installations (max 5 per automation server)
- Can control up to over 400 I/O points (depending on configuration)

17 different I/O modules allows for centralized control of large mechanical systems

 A variety of digital and analog input and outputs to ensure each installation is customized

Power Supply

24V power across a common bus









SmartX Controller – AS-P and I/O modules

Key hardware features

Hardware Innovation

Easy to install

- · DIN rail or wall mount
- Hot swap / plug and play

2-piece design with patented locking handles

Separate wiring base

- Backplane built-in
- Auto addressing

Field marking feature with protective windows

Factory or custom label





SmartX Controller – AD

Advanced Display empowers more users to interact based on their roles

Dedicated operator interface; goes beyond a traditional HMI

- Hi-res 10" touch screen display
- Passcode-protected Kiosk mode ensures the AD stays on designated interface
- No special software to configure; no special user training required
- Functions are based on simple, easy-to-use apps and web interface

Uses standard solution interfaces, including:

Tech Tool mobile app; AdaptiApps custom user app; WebStation

Versatile for different mounting locations

· Reception areas, conference rooms, plant rooms

AD Link enables direct connection to SmartX Controller AS-P or AS-B – no WiFi required





Ensure Schneider quality and reliability throughout the building

Field devices

- Sensors and thermostats
- Valves and actuators
- Lighting control
- Energy metering
- Variable speed drives







Room controllers





SE7000 Series

SE8000 Series

Field controllers

- b3 Series
- Xenta Series
- MNL Series
- MNB Series





New features and benefits highlights



StruxureWare Building Operation v1.9.1

Summary of new features & benefits in the latest offer release

Ease transition of legacy systems

 Modernize your BMS systems to our open, scalable and future-ready SmartStruxure solution, the industry's #1 building energy management system!

Enjoy more user efficiencies

- Work faster and smarter with new user-focused enhancements
- Save time and simplify operations with new engineering and project configurations tools



Increase your peace of mind

 Experience even more best-in-class cybersecurity resilience and BACnet® BTL® certification





Plus, save time and resources: Modernize your sites at SBO v1.5 and higher directly to SBO v1.9.1 in a single upgrade process!



Complete and easy upgrade to StruxureWare

Maintain your favorite features and experience new system functionality and benefits

Andover Continuum™

Transition and conversion now available for sites with Infinet controllers

TAC Vista™

Conversion tool enhancements allow sites with LNS databases to transition.

TAC I/A Series™

Native SBO experience with Workplace Tech and MNB devices

TAC I/NET™

Native SBO Schedule support to reduce the need for I/NET host software

Satchwell Sigma[™]

Over 16 transition enhancements to reduce dependence on Sigma software

Why modernize?

Take advantage of the **latest** IP-enabled hardware and software to ensure your systems are **future-ready today!** Gain:

- Better and faster performance
- Best-in-class cybersecurity
- Cloud and predictive services
- And turn your building data into actionable intelligence



Enhance user efficiency

StruxureWare Building Operation v1.9.1 new functionality highlights

Important alarms now **pop** with color!

Role-based navigation delivers the right information

Personalized views provide important information clearly and quickly

Secure views of the system allow users access without being logged on



Get even more convenient, user-friendly benefits

- Save time and simplify tasks with customized access and information
- Increase insight and responsiveness to building maintenance and comfort issues
- > Use convenient mobile apps like AdaptiApps, Technician Tool and others, with more ease



Alarm presentation and notifications

Make your most important alarms pop with color!

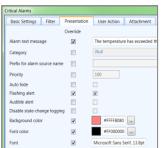
NewUser Experience Features

Instantly recognize alarms with messages that are clear and specific

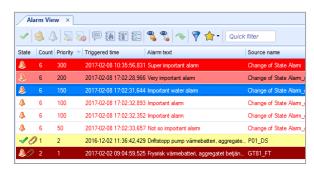
- New Alarm Decoration Rules override alarm presentation including:
 - Message text, font color, cause note, checklist, required user actions, etc.
- New expanded alarm text substitution codes now over 60 options!
- New apply sort order to any view
- New optional millisecond timestamps in alarm and event views

Deliver timely messages via email, client messages, files and SNMP

 Notification report templates now support Events, Search and Watch data types



Dynamic alarm decoration and text



60 alarm text substitution code options!

Alarm text @(AlarmText)

Assigned to ID @(AssignedID)

Assigned state @(AssignedState)

Assigned to name @(AssignedTo)

Assigned to domain @(AssignedTo)

Assigned to domain @(AssignedToDomain)

BACnet alarm type @(BACnetEventType)

BACnet notification type @(BACnetNotificationType)

Basic evaluation state @(BasicEvaluationState)

Category @(Category)

Command value @(CommandValue)

Confirmed notification @(ConfirmedNotification)

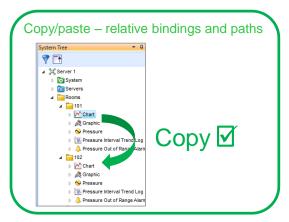
Count @(Count)



Save time during system configuration and expansion

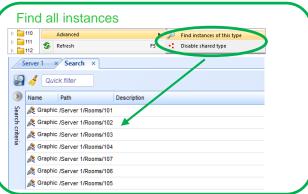
Copy and paste objects without configuration changes

- New enhanced Search Objects with relative search path
- New Trend Chart "Title" property permits relative binding path
- Works with WorkStation and WebStation



New find all instances of a given object type

- Simply click on one object and see all the others instances so you know which are affected
- Very useful with shared graphics

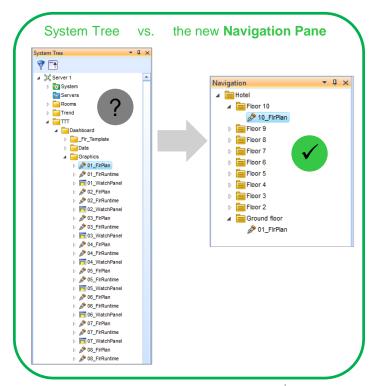




NewUser Experience Features

New custom tailor Navigation Panes improve usability and system views

- Display only the preferred paths as an alternative to the system tree
- Easily add new Navigation Panes types to a workspace or panel
- Works with WorkStation (WebStation coming in future version)
- Re-use existing Menu configuration to save time





List View default and favorites

Customize access and delivery of system information and reduce risk of user error

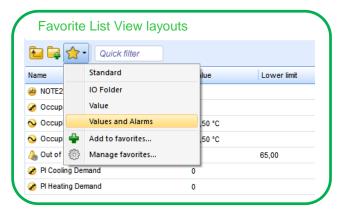
New easily accessible custom List View default and favorite layouts

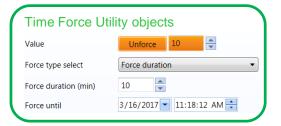
- Similar to feature introduced with alarm and event views
- Save a List View configuration as a default "content type" or favorite
 - Defaults for all Workstation users
 - Favorites follows the user
 - All layouts preserved during upgrades

New Time Force Utility provides temporary service overrides

- Automatic timed "unforce" eliminates risk of customer forgetting the override
- Overrides can be set for a specific duration or until a specified end date and time
- Available for paths that support Utility objects
 - Value property of Analog, Digital and Multistate objects

NewUser Experience Features







Best-in-class cybersecurity - technology enhancements

Reduce cyber threat risk to provide peace of mind

NewProven Software Features

Elevated authentication technology

- New TLS 1.2 Authentication and Encryption for HTTPS connectivity
- New SHA2-256 HASH Algorithm for EWS connections (replaces MD-5) Device administrator fingerprint authentication
- New Device fingerprints compared to protect against impersonation and credential theft

WebStation "clickjacking" protection options

- New option Enable external content to be embedded in WebStation
 - Bypasses clickjacking protection of external content
- New option Enable WebStation to be embedded in another site
 - Bypasses clickjacking protection of content from another site

Elevated authentication technology

☑ TLS 1.2

☑ SHA2-256

 ☑ Fingerprinting

New "clickjacking" protection setting

Enable external content to be embedded in WebStation
Enable WebStation to be embedded in another site

protected when not enabled



Best-in-class cybersecurity – users and logon

Assure a positive and secure logon experience

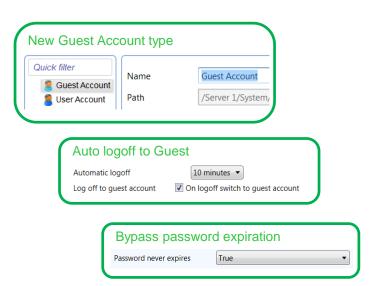
NewProven Software Features

Easy and secure - public workspaces

- New specific Guest Account type does not require a password
- New Automatic logon to Guest option for User Accounts
- Guest account used for public facing workspaces when no user is logged on
- Great for both Workstations and AD kiosks.

Eliminate the need to change service account passwords

- New "Bypass password expiration" option for service accounts
- Use with non-interactive logons EWS, Smart Connector
- All interactive logon can maintain a strong password policy requiring periodic password updates





Best-in-class cybersecurity – new permissions

Assure users are given access only to functions for which they are authorized

NewProven Software Features

New permission levels for tighter assignment of authorizations

- New "Force" permission provides the ability to assign override capabilities without granting full edit permissions on an object
- New "Command" permission provides the ability to issue commands independently of other authorizations.





Andover Continuum transition enhancements

New Continuum Conversion Tool now supports Infinet controllers

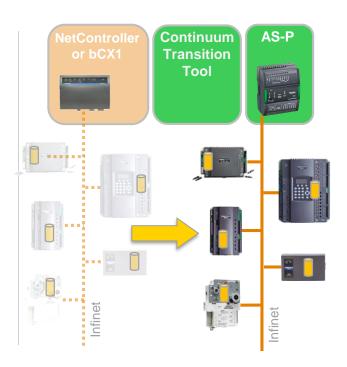
Transition Enhancements

New Full Infinet support on AS-P

- Easily learn, configure, program and replace Infinet Controllers
- Infinet support up to two AS-P communication ports configured as "Infinet"
 - Diagnostic information
 - Create/edit Infinet objects
 - Infinet points including logs / arrays, alarms (including Expression Alarms with point 1-4 reference)
 - Programs and functions

New Continuum Conversion tool

- Migrate Infinet Network Controllers to Smart Controller AS-P
- Automatically convert Andover Continuum Infinet controller code
- Convert, move the bus, reload the controllers limited downtime
- Infinet Import / Export table data transfer
- View / change Infinet array element values





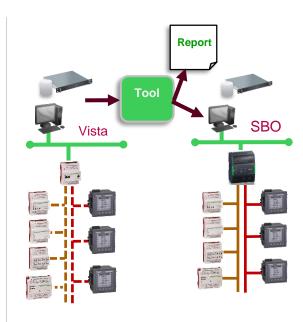
TAC Vista transition enhancements

Conversion tool enhancements allow sites with LNS databases to transition

Transition Enhancements

Improved Vista Conversion Tool

- New maintain LNS database configurations
 - LNS remains on site on for network management (e.g. network addresses, LON bindings)
 - Removal of LNS not supported by the tool
 - New SBO functions after conversion for
 - Modification of Menta applications
 - Service replacement of devices
 - System expansion to be done with SBO, not LNS
- **New** Xenta server conversion now includes more object types and functions
 - SmartX Controller AS-P support for Xenta I/O is scheduled for mid-May
 - Efficient Xenta 700 to AS-P conversion
- New easily move trend data by date range





TAC I/A Series transition enhancements

Native SBO experience with Workplace Tech and MNB devices

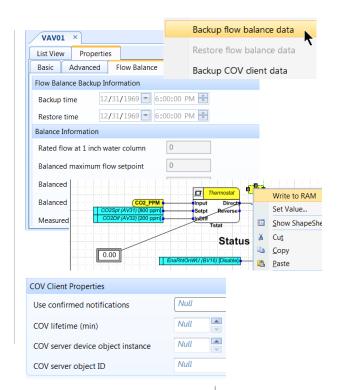
Overall improvements to "Native" experience

- New simpler MNB controller replacement without using commissioning and/or flow balance tools
 - Restore MNB COV client objects configurations
 - Restore MNB Flow Balance configurations

Workplace Tech Editor enhancements

- Seamless switching between editing and monitoring with Write-to-RAM
- Add/change monitor tags without downloading application to controller
- Windows 10 support
- Visio 2013 and 2016 support

Transition Enhancements





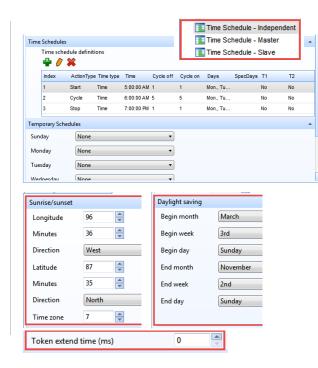
TAC I/NET transition enhancements

Native SBO Schedule support reduces the need for I/NET host software

Overall improvements to "Native" experience

- New Time Schedule point extension support for discrete control (DC) and discrete output (DO) points
 - Independent, Master and Slave
 - Optimization actions Opt Start, Opt Stop and Opt Cycle
 - Special day up to seven (S1-S7)
 - Temporary day up to two (T1-T2)
 - Slave schedules can be set to Ignore, Mirror or Optimize
- Enhanced DCU Parameter support
 - Sunrise/Sunset and Time Zone properties
 - Daylight Savings
 - Special Days
- TAC I/NET Controller LAN Performance enhancement
 - Optimize token release time with new "Token Extend Time" Property
 - Requires USB-485-INET firmware revision 1.0.1 (06/22/2016)

Transition Enhancements





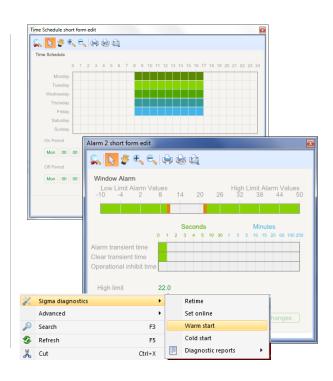
Satchwell Sigma transition enhancements

16 transition enhancements reduce dependence on Sigma software

Improved operator experience

- New TGML Schedules
 - WebStation support, Editing with drag functionality (replaces existing schedules)
- New Sigma Alarm support
 - Short From editor, Sigma mnemonics in alarm viewer
- New Sigma Trends and Logs support
 - Notification reports for Sigma logs
 - List Sigma Trend objects in TGML graphics
 - Log Set description displayed in object name
- Enhanced controller support reduces use of Sigma client
 - Warm/cold start controllers
 - Retime controllers using schedule
 - Retrieve controller logs using schedule
 - Synchronize SBO changes with Sigma database (requires controller firmware upgrade)

Transition Enhancements



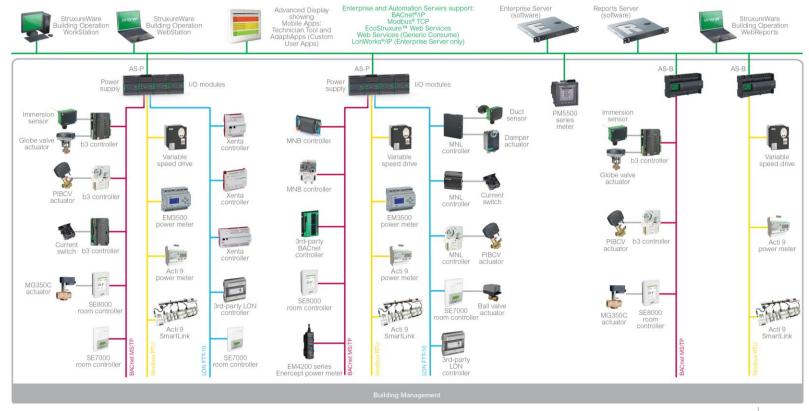




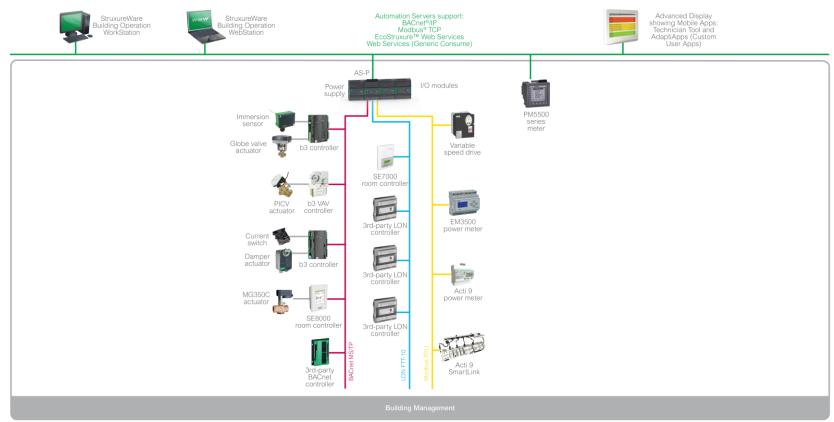
StruxureWare Building Operation v1.9.1



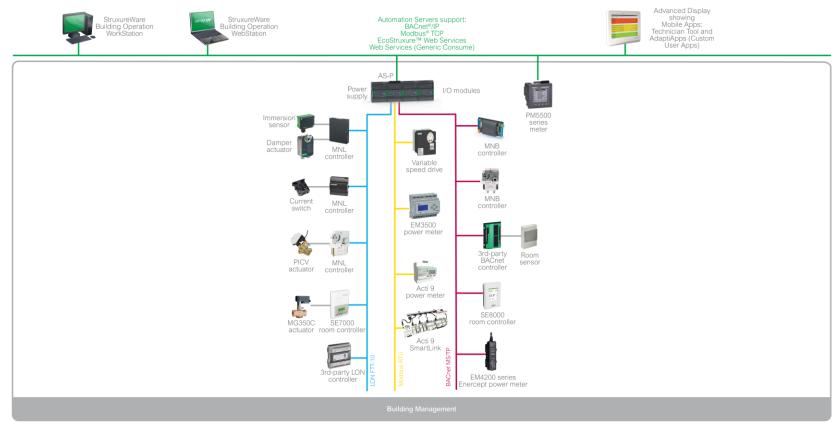
Enterprise Architecture: Multiple Automation Servers



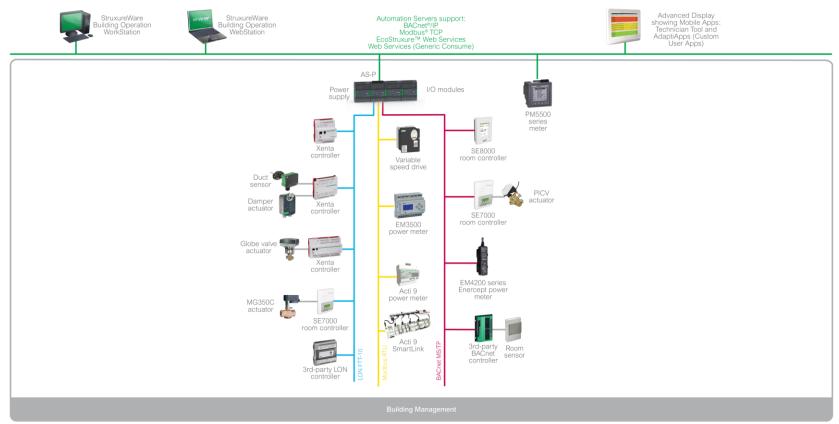
Enterprise Architecture - Single Automation Server (with b3 controllers)



Enterprise Architecture — Single Automation Server (with MNB & MNL controllers)

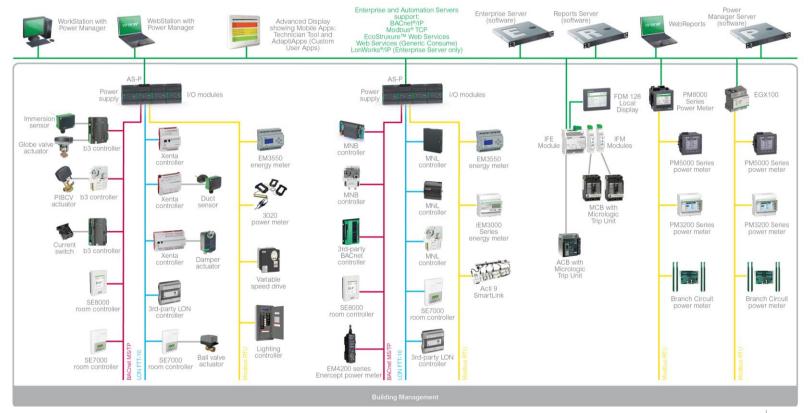


Enterprise Architecture – Single Automation Server (with Xenta controllers)



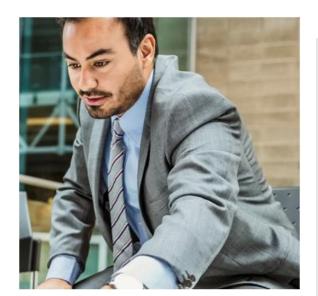


Enterprise Architecture - Multiple Automation Servers with Power Manager





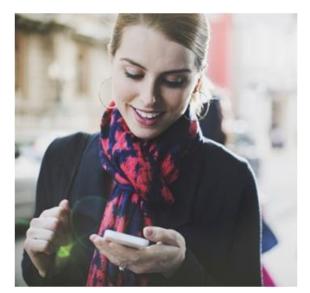
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-- 2016 Navigant Building Energy Management Systems report







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Shedd Aquarium, US Integrated energy management



GwangHwaMun D-Tower, South Korea Highly optimized and energy-efficient



New South Glasgow Hospitals' Campus Largest critical care in Scotland



Hilton Worldwide Energy savings at global hotels chain









