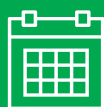# ASPECT® BUILDING AUTOMATION

SEAMLESSLY INTEGRATING BUILDINGS AND BUSINESS

► If you're confident using mainstream business tools, then you've already mastered ASPECT® building automation.

If you can use a corporate calendar to schedule a meeting, then you can adjust a room for zone occupancy.

If you can use an app on your smart phone, then you can turn lights on in Shanghai from your office in Chicago.

If you can get a message on PushOver®, then you can know instantly when a critical system is down.

Manage your building the same way you manage your business with ASPECT®.

ASPECT® brings building management into your everyday work.

Your building is inextricably linked to your business. It influences the way people work, and where capital is spent and saved. You want to tie your building more tangibly to business processes and objectives, and now you can. Cylon Auto-Matrix has introduced ASPECT®, the industry's most innovative building automation system that integrates building management with business management.
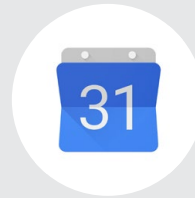
Straightforward and uncomplicated

With ASPECT® you no longer need to learn how to operate a separate, proprietary building automation system (BAS) to get real-time information, analyze data, make operational decisions, or even to change settings. You can do it all, more naturally, through the business programs and apps you are already using on your computer, tablet and smart phone.

- Greater freedom and flexibility: ASPECT's HTML5 integration eliminates the need for a dedicated operator workstation or costly add-on software.
  Facilities managers and end users can modify trends, set-points, schedules and more on the fly from web-enabled PCs and mobile devices.

- By leveraging push notification services such as Twitter® and PushOver®, ASPECT® sends reliable instant notices to Android®, iOS or desktop devices in greater detail than traditional SMS.

- Reports can be generated and sent via email automatically at regularly scheduled intervals or immediately, when triggered by equipment failures and alarms.

- With the integration of Internet weather resources, ASPECT® can predict energy loads and other building automation requirements. With some simple custom programming, BAS routines can automatically shift during unseasonal weather patterns to ensure optimal comfort and energy use.

- ASPECT® provides enhanced design and operational efficiencies when used with the CB Series of BACnet® controllers.

Work with what you already know.

ASPECT® technology works seamlessly with commonly-used business tools and any standard Internet browser.*

Google Calendar™

Microsoft® Outlook®

Apple iCal®

RSS

Email

Twitter®

PushOver®

* Google Chrome®, Microsoft® Internet Explorer, Safari®, Firefox® and Opera®

Be outstanding in the field with vSTAT® Mobile.

Advanced mobile capabilities empower you with unprecedented responsiveness. Tasks that used to be complicated and stressful can now be completed quickly and calmly with a few simple commands from your mobile devices, including your smart phone. ASPECT vSTAT®, a virtual zone application, allows you to access and control multiple servers, and even specific zones, in all of your facilities around the world.
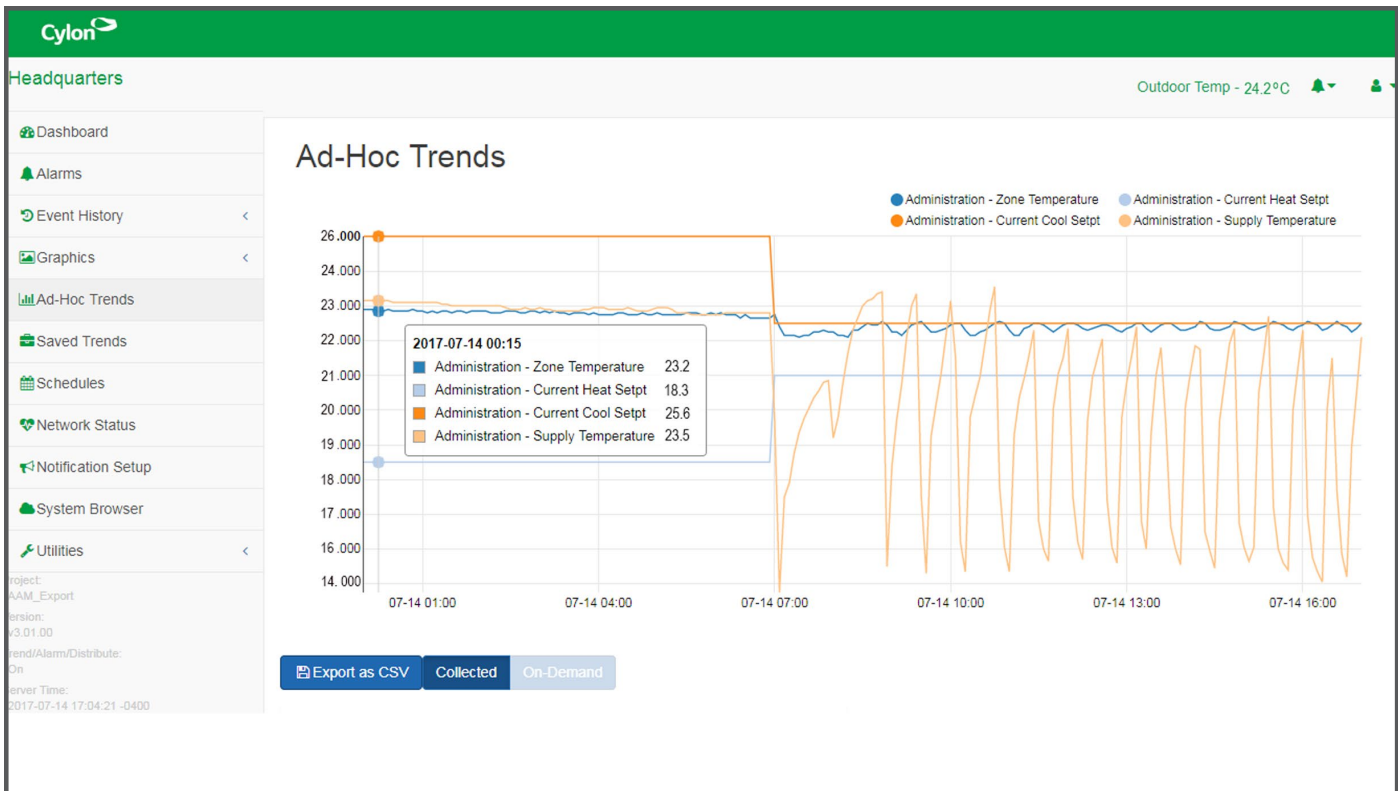
- Change temperature set-points, occupancy status, fan status and more

- Customize the app to display and control designated points

- The built-in QR Code®reader provides remote navigation within a facility. QR codes can be generated in ASPECT®-Studio™ and placed near thermostats or access points, allowing users to access the zone over an encrypted connection.

Stay a step ahead with enhanced security

Cyber criminals are crafty, but ASPECT® puts some extremely effective barriers in their way. Integration with SSL and HTTPS takes security to a whole new level of fortification against hacking and unauthorized intrusions.

- Communication with the browser is fully encrypted

- As a component of a 21CFR11 system, ASPECT® is able to track where and when system changes were made, and who made them.

ASPECT® BUILDING AUTOMATION

Work more efficiency with a simplified dashboard interface

The ASPECT® dashboard interface is all about you: keeping watch over your concerns, helping you take care of your responsibilities, and providing the insight that will help you achieve your objectives. It's easy to individualize the dashboard for the work that you do.

Any system point, controller, trend or graphic can be selected and saved as a "favorite" for quick and easy access from the main page. Your colleagues can do the same, and ASPECT® recognizes each use at login. If you prefer a highly customized used interface, ASPECT® provides the tools for that, too.

- Building data that is stored and retrieved through MySQL® or SQLite databases allow for simplified data use through programs like SAP® Crystal Reports and Microsoft Excel®

- Energy data, trends, reasons, data anomalies, user changes and more can be mined and formulated into reports through programs that are already being used.

- Simplify energy management by implementing enterprise-wide policies through batch changes to set-points and schedules

- Compatibility with Engineering Centre provides efficient site configuration

- An extensive graphics library enhances usability and reduces training time

- Expanded control templates for HVAC equipment

- Backward compatibility/upgrades for existing systems

- Enhanced enterprise tools, such as mapping, for larger portfolios

- Compatibility with Matrix and Nexus platforms to support a range of buildings, from skyscrapers to smaller multi-site applications.

An ASPECT® for every solution.

Whether you're managing small or large facilities, one building or a diverse enterprise of buildings, ASPECT® provides a consistent user experience. In the future, you can add on, build more, and connect multiple facilities—without changing how you work.

ASPECT®-Enterprise™, installed on a central server, is designed to assure you have an enterprise resource for operational data management and secure backups of all your systems.

ASPECT® supports many common open drivers, such as Modbus® and BACnet®. This allows for simplified integration with many third-party, non-HVAC systems, including lighting and energy management.

Drivers for legacy Unitron® and PUP controllers provide key functionality and power, giving you the ability to transition your BAS to more current standards at your own pace.

For Smaller Buildings

The Matrix series of network engines provides traditional building control features such as alarming, scheduling, trending and custom programming. The result is a flexible area control solution for BAS.
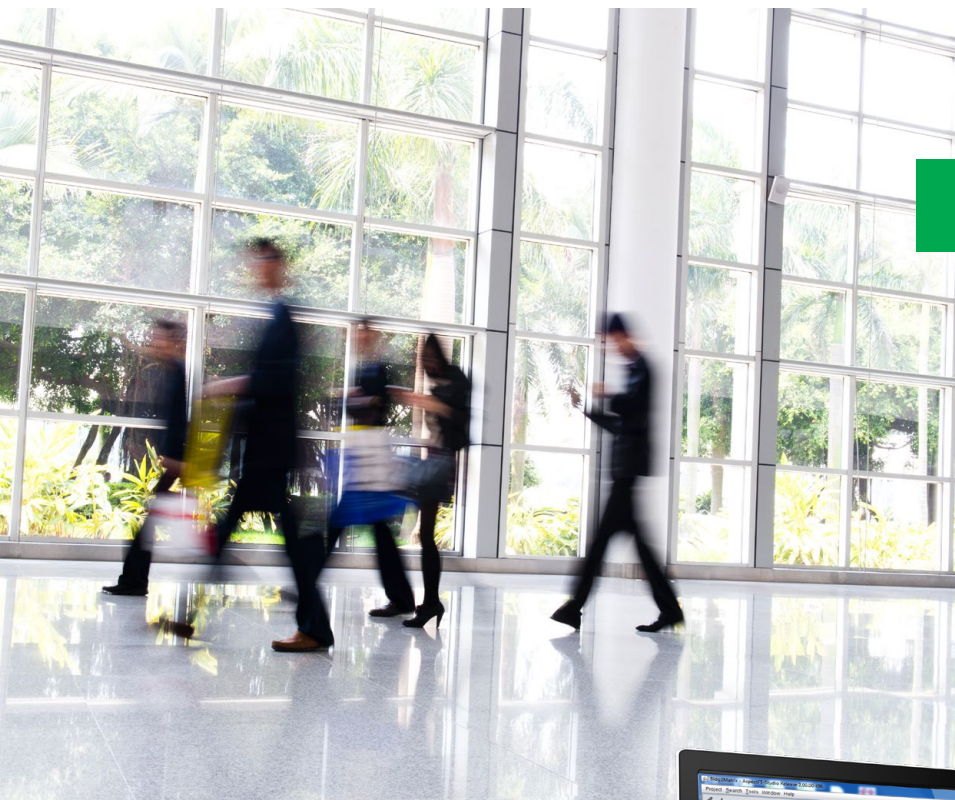
Multiple Building Portfolios

ASPECT®-Nexus™ gives you access to traditional BAS capabilities, centralized web access, historical database storage and more. They provide rigorous building control routines for facilities anywhere in the world.

ASPECT®-Enterprise™ provides the same extensive BAS features, installed on VmWare servers to meet common IT specifications for hosting by the end-user. This gives you greater freedom and fewer restrictions for on-site installations.

ASPECT® BUILDING AUTOMATION

Go with the flow of ever-changing business spaces

Businesses change, reorganize and move people around. Your BAS should be flexible enough to support the office evolutions. ASPECT® is easy to install, and just as easy to change. Plus, it integrates easily with any legacy systems that are already in place.

Put it all together

ASPECT®-Studio™, our innovative and simplified system design tool, makes it easy to build and configure your BAS to match the way you work. This graphical programming tool is used to create and define the system, including logical sequences, historical entities, schedule functions and user interface environments. It allows you to view and change BAS settings from web-enabled devices with no additional plug-ins or engineering.

American Made

Appropriate safety precautions must always be taken when operating or maintaining equipment connected to any Cylon Auto-Matrix product or other Licensed Materials or Hardware. Cylon Auto-Matrix assumes no responsibility or liability for any injuries or damage to any persons or property resulting from the use of these products. As always, these products should be used in the manner they are intended.

All trademarks, trade names, service marks, or logos contained herein are the property of their respective owners and are only used to describe the product(s) being listed in this document. Every effort has been made to properly capitalize, punctuate, and identify and attribute all required trademarks with the use of the appropriate ® or ™ wherever practical and possible. Cylon Auto-Matrix is not affiliated or a licensee holder of any of the trademarks other than those detailed below.

ASPECT Building Management, ASPECT, ASPECT vSTAT, ASPECT-Facility, ASPECT-Nexus, ASPECT-Enterprise and ASPECT-Studio are either registered trademarks or trademarks of American Auto-Matrix, trading as Cylon Auto-Matrix.

Cylon Auto-Matrix
One Technology Lane
Export, PA 15632
(724) 733-2000

contactus@cylon.com
www.cylon-automatrix.com