

CHESAPEAKE CONTROLS INC



CREATING
INTELLIGENT
BUILDINGS

SERVICES & SYSTEMS



Open Systems

These days, when building owners, facility managers or consultants want to specify a new Building Management System (BMS), they invariably say they want an “open system”. This comes from a fear of becoming locked into a single service provider with the perceived risk (although not always the reality) that this may result in high service prices and poor service levels.



Controls

As a Honeywell Authorized Controls Integrator Direct, Chesapeake Controls, Inc. has full factory support and access to all your building automation needs, including Niagara Framework solutions, BACnet and Lonworks controllers, VFD's and commercial components. Our strong factory partnerships have helped us become the leading independent



Building Automation

As a facility manager, facility owner, developer, broker or general contractor, you understand how vital tenant satisfaction can be to the success of a facility. Climate management plays an important role in tenant satisfaction — the ability to easily control heating, cooling and other elements not only saves your tenants time and keeps them comfortable, but minimizes energy and operational costs as well.

Commercial HVAC Services

Chesapeake Controls has an HVAC Service division fully staffed with professional, highly trained and most experienced technicians in the business. With varying levels of factory training, we have the ability to service and repair all major brands of chillers, boilers, package rooftop units, pumps and unitary equipment. We even offer an apprenticeship program to develop motivated, hard working individuals who are new to the industry into top-notch technicians.

Chesapeake Controls mechanical maintenance is a value added service we provide to our customers. Routine maintenance is the key to equipment longevity, minimization of breakdowns, reducing energy expenses and improving indoor air quality. With an effective Maintenance Program, your repair costs go down while your productivity goes up.

The ability to provide high quality HVAC mechanical service along with our building automation capabilities

provides tremendous benefit to the building owner. We can remotely troubleshoot a system through the building automation system, which eliminates false calls and if there is a problem we can identify it before the technician ever gets on site.

What can I get with a Maintenance Program?

A comprehensive analysis of your facility and equipment to assure your maintenance program is customized to your needs.

- Regularly scheduled equipment inspections and preventative maintenance.
- No overtime premium for qualified, after hours emergency service.
- Discounted service, repair, and equipment replacement rates.
- Access to our 24/7 service response.
- 2 hour emergency response available.
- Optional remote monitoring of systems via web-based and dialup control system interfaces.
- Web-based customer portal access.



Building Automation Systems (BAS)

Chesapeake Controls has a full staff of factory trained and certified Honeywell and Tridium business development reps, technicians and application engineers with in house capability of taking a job from the initial design phase to start-up.

New Construction and Design/Build

Chesapeake Controls can work with your General Contractor (GC) or Design Engineer to design a truly open protocol, integrated web-based control system that maximizes building and operational efficiency, while allowing the building owner the flexibility of competitively bidding future expansions or additions.

System Integration

With the use of Honeywell/Tridium's Niagara Framework, Chesapeake Controls has integrated Lonworks, BACnet and Modbus protocols as well as proprietary control systems, including Trane, Johnson Controls, Siemens and Honeywell to name a few. By bringing your system up to a common, web-based platform, a building owner is no longer locked in to a single controls vendor and has a migration path to a truly open system.



Niagara Analytics

With Niagara Analytics, you can now take advantage of all of the data both stored and real-time in your building automation system and put it to use, such as:

- Predictive maintenance
- Continuous system commissioning
- Energy reports built-in (building and equipment level)
- Cost analysis
- Smart alarms
- Optimize control algorithms in real-time

Fully compatible with Niagara 4, Niagara Analytics gives you the real-time business intelligence you need to make smarter, swifter decisions and improve operations with less time, work, less waste and less expense.

Training

Whether it's on a newly installed system or for a new hire, training is probably the most important investment a building owner can make. Chesapeake Controls offers controls training on-site, in our training facility, via the internet (remote), or factory certification training at various locations around the country. We want our customers to be knowledgeable, informed and capable of performing the tasks they need to keep their building running optimally and efficiently.

- Proprietary building systems integration
- Honeywell web-based automations systems
- HVAC controls
- Work order management database integration
- Custom control panel fabrication
- Systems engineering
- VFD systems
- Lighting control integration
- Low voltage controls installation
- Technical programming, installation, startup and service

TRIDIUM

Honeywell

Security Overview

Chesapeake Controls is pleased to offer Honeywell's WEBs-N4™ Integrated Security open communications building automation platform. WEBs-N4 is a family of state-of-the-art, Web-enabled building automation solutions that provide you with amazing flexibility. The entire system is Internet-based, so all you need to access the system is an open Internet connection. With the WEBs-N4 Open integrated system, you'll have the versatility to choose a collection of best-of-class open protocol products using LonWorks™, BACnet, ModBus and OPC-based products for your building needs.

CCTV Integration

The bi-directional alarm features in the WEBs-N4 system allow events to trigger cameras to focus on pre-set locations and digital video recorder (DVR) recording rates to increase. Alarms generated by the DVR/cameras can be set to initiate events, such as turning on lights, occupancy modes for HVAC, sending alarms to an operator console or sending notification via email. Both live and recorded video may be viewed using the WEBs-N4 station – you'll meet all your needs with one user interface.

Card Access

WEBs-N4 Security offers a full-featured access control system and intrusion detection, and because the system is modular, you can start small and grow. WEBs-N4 security controllers utilize the Weigand card reader industry protocol standard, so it is likely any existing readers you have can still be utilized and integrated into the platform.



Energy Audits

Chesapeake Controls is a Honeywell certified EEO (Energy & Environmental Optimization) provider, as well as a participating contractor in the Dominion Power rebate program for HVAC and Lighting upgrades. Through utility bill analysis and building system surveys, we are able to normalize your building based on use and cost per square foot, identify systems that have higher than normal utility usage, make energy efficiency upgrade recommendations, calculate potential savings, and produce financials so you can make a sound decision on your building energy upgrade investment.



Since 1985, Chesapeake Controls, Inc. has been committed to improving performance and lowering operating costs in commercial buildings throughout the Mid-Atlantic and beyond. As the largest independent provider of Honeywell Building Automation Systems in Virginia, we have full in-house capabilities to provide mechanical service and control solutions for any building, no matter the size or market. Providing professional HVAC services, integrated Building Automation Systems and energy related solutions, we optimize building comfort, lower energy usage and proactively reduce equipment downtime.

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