



Building Automation System Services

Your buildings deserve the best you can give them. Your mission, your occupants, and your budget depend on it.

For more than two decades, Chinook has been comprised of highly experienced and knowledgeable professionals in the field of building automation and commissioning. Our team boasts expertise in a wide range of systems, including mechanical and control systems, laboratory controls, lighting controls, and more. Additionally, we bring specialized experience in managing complex building automation projects and developing training materials. We offer high-quality, end-to-end building automation and commissioning services to clients.

Consulting

Chinook ensures that your building operates at its designed level of performance through a comprehensive process that we have perfected over time. At any stage of the facility lifecycle, Chinook's hands-on approach provides you peace of mind knowing potential issues won't disrupt your daily operations.

Installation/Integration

Chinook has years of experience installing state-of-the-art BAS systems. Our professionals make sure that these systems are meeting the ever-changing and forward thinking needs of our customers.

We possess a skilled history of integrating various process and combining multiple systems and controls in a building; such as HVAC, lighting, energy management, and security, into a centralized management platform. This allows for automated and optimized control of various aspects of the building's environment, such as temperature, humidity, air quality, lighting, security and data analytics.

Cybersecurity

Chinook has extensive experience with Building Automation Systems & Operational Technology Systems. Our assessment activities are in accordance with NIST SP 800-82 Guide to Industrial Control Systems (ICS) Security and other applicable cyber security criteria. Chinook works with the accreditation entity on the multiple cyber assessment activities that occur during commissioning to ensure thorough and complete cyber system tests and IA authorization to operate (ATO).

Commissioning

Since 2002, Chinook's commissioning process has been driven by internally developed, industry recognized, Cx software technology, Quicx™, a cyber-secure COBie compliant enterprise platform that ensures Cx data and documentation moves seamlessly and electronically from new construction and renovation projects, to real-time energy monitoring and fault detection analytics, to ongoing operations and maintenance programs.










Years in Business: 22

Office Locations:

- Durham, NC
- Arlington, VA
- Cocoa Beach, FL

Niagara N4 Certified Staff: 11

Chinook's
Experience in
Controls

# of Staff	Total Yrs of Exp
	1
	2
	1
	8
	1
	2
	5
	41
	4
	46
	1
	10
	2
	8
	2
	16
	2
	10



Chinook's In-House Controls Lab

Chinook possesses an internal controls lab that incorporates an array of switches, servers, and controllers, including multiple JACEs. This facility enables us to conduct thorough testing of sequences and equipment before deployment. Furthermore, we employ JACEs to load customers' stations and examine their software for any potential issues. If any problems are uncovered, we offer suggestions for corrective measures, which are then implemented upon deployment. This approach allows us to thoroughly test systems without causing disruptions to daily operations.

At Chinook, we continually conduct software testing to determine its viability as a possible solution for our clients.

Featured Projects

National Defense University / Building 61
Controls Upgrade/ *Washington, DC*

National Defense University / Building 64
Controls Upgrade/ *Washington, DC*



National Defense University / 5 Buildings Control Frontend Integration / *Washington, DC*

Washington Headquarters Services / Pentagon SME and Government Support for
N2 to BACnet Project / *Arlington, VA*

National Ground Intelligence Center / Controls Upgrade and Cyber Security /
Charlottesville, VA

US Army / Ft. Liberty 9 Buildings Controls Upgrade/ *Fayetteville, NC*

Contacts



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Services

- New Building Control Design
- Controls Upgrade
- Control System Audits
- Asset Verification
- Test and Balance
- Energy Modeling
- Sequence of Operations Review
- Design Reviews



Technology

- BIM
- Digital Twin
- 3D-Scanning
- Energy Models
- Asset Modeling
- System Integration
- Fault Detection
- Performance Simulations
- Cybersecurity/Controls Laboratory



Equipment

- Ultrasonic Flow Meters
- MIST Temperature Sensors
- Temperature Data Loggers
- Humidity Data Loggers
- Lighting Level Data Loggers
- Pressure Data Logger
- Rotating Vane Anemometer
- Light Level Meter
- Thermo-Anomometer
- VelociCalc Multi-Function Meter
- Electrical Power Datalogger
- Balometer
- Hygrometer Thermometer
- LAN Cable Tester
- Electrical Multimeter
- Clamp Meter