



DO YOU WANT A SECOND OPINION OR ASSISTANCE WITH CONTROL AND HVAC CHALLENGES?

WHY NOT LET ENVIRONMENTAL CONTROLS STAFF HELP?

Environmental Controls wants you to be successful with your Alerton control system and HVAC equipment. We offer a variety of services designed to augment your efforts to maximize the benefits of your investment in your facility or with your client.

Environmental Controls has a staff experienced in not only HVAC control and mechanical equipment maintenance, but we also are the factory authorized dealer for Alerton DDC control systems and ABB variable frequency drives. We have a factory trained staff to maintain and update your McQuay chillers and AC units, AAON rooftop units, plus engineers on staff to troubleshoot any system problem.

Alerton – Direct Digital Controls Mechanical Equipment – HVAC

System Preventative Maintenance – Maximizes system efficiency, reduces operating costs

We will perform preventive maintenance in accordance with a program of standard maintenance routines as determined by our experience, equipment application and location, and the manufacturer's recommendations.

Corrective Maintenance and Component Replacement – Preventing nuisance calls, saving time

We will repair or replace failed or worn components to minimize obsolescence and to maintain your system in peak operating condition. Optional programs allow for upgrading equipment by systematically modernizing existing components as necessary to reduce energy consumption. Components that are suspected of being faulty may be repaired or replaced in advance to prevent system failure.

Material & Labor Discounts for contract customers.

System Performance Services-On-Line/On-Site – Minimal down time, less complaints

On-line Systems Troubleshooting and Diagnostics.

Operator Support.

Software Services – Protects investment, keeps system current

- Software Updates
- System Diagnostics
- Software Consultation.
- DDC Server Health Check.
- Control Loop Evaluation and Tuning.
- Security Backup of Program & Setpoints

System Performance Services-Review and Evaluation – One “go to person”, no finger pointing

Account Management. We will provide dedicated account management to coordinate the delivery of service, offer technical assistance for system programs and engineered control strategies, and implement the Quality Assurance Program.

Owner Training – Maximizes operator proficiency, maximizes system efficiency

On-Site During Scheduled Site Visits. We will provide operator training during scheduled site visits.

Standard Courses. Optional training course(s) provided for the designated employees to ensure that your system will be utilized to its fullest potential.

Custom Courses. We can also customize/design course(s) for the designated employee(s) to ensure the training provided meets your specific needs; this allows your system to be utilized to its fullest potential.



Documentation and Quality Assurance – Protects Investment

Documentation of All Service Provided. We will document each on-line and on-site service call and furnish you with a copy showing time, date, and a brief description of activity.

Quality Assurance. We will meet with you to evaluate system performance and your satisfaction with the quality of service that is being provided under your Technical Support Program.

Document Control Service. We will keep current as-built drawings and documentation with any changes made to the system for future usage.

Mechanical Services

All HVAC Equipment Services.

• Fan CFM Calibration	• Turbo-Core Compressor Certified
• Windward Air Filter Products	• Motor/Bearing Analysis
• Coil Pressure Washing	• In-place Motor Bearing Replacement
• Specialty Gas Sensing Equipment Selection, Installation, Calibration (CO ₂ , CO, H ₂ S, etc.)	• Flir Camera Analysis of Mechanical Components & Ductwork
• Fan Balancing	• Chiller Tube Cleaning
• 2000# Light Weight Aluminum Gantry	• Boiler Maintenance
• Air Side Balancing	• Vibration Analysis
• Pneumatic Calibration	• Shaft Alignment
• Reciprocal Compressor Rebuild	• Screw Compressor Certified
• Factory Start Up of OAR Equipment	• Combustion Analysis and Tuning
• Monitor/Record Decibel levels	• Data Logger for Humidity/Temperature/Amperage Voltage
• Liebert Certified	• In-stock Baldor Motors

Scheduled Maintenance. We provide peace of mind, with our scheduled maintenance to keep your building systems operating at their highest efficiency.

Troubleshooting. We have a complete and highly trained staff to troubleshoot your HVAC Equipment and DDC control system.

DDC Control Services. We are an authorized dealer for Alerton DDC control systems. We offer:

• Control Design & Installation	• Training
• Control Checkout & Startup	• System Modifications
• Control System Commissioning	• Service Contracts
• Control System Re-commissioning	• Energy Optimization
• Building Energy Star Analysis	• Remote Operational Support



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Electrical Service. We provide:

• Variable Frequency Drive Installation	• Flir Camera Analysis of Electrical Systems
• ABB VFD Start Up with 2 Year Warranty	• Experienced Professional Control Installations
• ABB VFD Maintenance	• Analysis of Electrical Disturbance
• ABB DSS Authorized Repairs	• Wattmaster/Prism Set Up and Controls
• Yaskawa VFD Interface/Integration	• UL Listed Full Service Custom Panel Shop
• BMS Network Troubleshooting	• General Electrical Contracting Services
• Power Modifications for New Equipment	• Select and Install Energy Monitoring Equipment
• Electrical System Harmonics Measurements / Evaluation	• Turn Key VFD Retrofit, Selection, Install, Set Up and Controls

Air Monitoring Service. We provide:

• Monitor for Carbon Dioxide	• Monitor Radon
• Monitor Ozone	• Monitor Total Volatile Organics
• Monitor Small & Large Particles	• Mold Sampling
• Monitor Temperature	• Monitor Humidity

Phoenix Control Service. We provide:

• Phoenix Control Service Contracts	• Phoenix Control Re-commissioning
• Fume Hood Face Velocity Testing	• Room Pressurization Certification
• DDC Integration Testing	• Energy Savings Evaluation



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Representing

AAON	www.aaon.com Rooftop A/C Units, Condensing Units, AHU's Chillers, Modular AHU's, Coils, Split Systems	McQUAY	www.mcquay.com Water Source Heat Pumps, Terminal Air Conditioners Air Handlers, Rooftop AC Units, Condensing Units, Modular AHU's, Split Systems, Water cooled VAV units Chillers: Centrifugal/Screw/Scroll/Templifier
ABB	www.abb-drives.com Variable Frequency Drives and Motors Trans Coil line reactors	MK PLASTICS	www.mkplastics.com Fiberglass Fans/ Fume Exhaust Systems
AEGIS	http://www.est-aegis.com/ Shaft grounding bearing protection	NAILOR	www.nailor.com VAV Boxes and Fan Coils, ECM Applications
AIRCUIITY	www.aircuiity.com Indoor Air Quality Controls	NELSON HEAT TRACE	www.nelsonheaters.com The Industries Broadest Line of Heat Tracing Cables
AMERICAN AIR FILTER (AAF)	www.mcquay.com Unit Ventilators	PERMALERT	Liquid Leak Detection Systems
ARCTICHILL	www.arctichill.com Process and Medical Chillers	PHOENIX CONTROLS	www.phoenixcontrols.com Laboratory Fume Hood & Isolation Room Controls
BLENDER PRODUCTS	www.airblender.com Air Blending Units	RUNTAL RADIATORS	www.runtalnorthamerica.com Hydronic Radiant Heat
BROAD	www.broadusa.com Absorption Chillers, Gas, Hybrid, and Waste Heat Cooling Systems	SCHWANK	www.schwankgroup.com World's most efficient infrared radiant heaters
CDI	www.cdihvac.com Custom AHU with Desiccant Wheels for Hospitals, Dehumidification, Food, Make-Up Air Applications	STERLING	www.sterlingheat.com Fin-tubes, Convectors, Unit Heaters, Radiant Cooling/Heating Panels
DAIKIN	www.daikinac.com Multiple mini-split heat recovery systems	STRION-AIR	www.strionair.com Merv 16, high-performance, low-resistance, cost effective, germicidally active air filtration technology
DATA-AIRE	www.dataaire.com Computer Room Air Conditioning	TEMTROL	www.temtrol.com Custom Air Handling Units: Central Station, Rooftop, Penta-Post, Fan Wall Systems
DRI-STEEM	www.dristeem.com Humidifiers	TRANS-COIL	www.transcoil.com Line Reactors and Protection for Drives
EBTRON	www.ebtron.com Air Flow/Temperature Measurement	TWA PANELS	http://www.twapanel.com/ Radiant Cooling / Heating Ceiling Panels Passive / Active Chilled Beams
GRISWOLD	www.griswoldcontrols.com Self-balancing Hose Kits, Stainless Steel Hoses, Automatic Flow Control Valves, Manual Balance Valves Pressure Independent Valves, Coil Piping Packages	UNITED COOL AIR	www.unitedcoolair.com Specialty AC Units, 1-20 tons Gas Heat PTAC Units
HEAT HARVESTER	www.heatharvester.com Heat pump water heaters, desuperheaters, Geothermal heat pumps to 2MMbh cooling	UV RESOURCES	www.uvresources.com Ultra Violet lamps and bulbs
HUNTAIR	www.huntair.com Custom Air Handling Units: Cleanroom, Penthouse, multi-zone, stacked AHU's, Fan Wall Systems	VENMAR	www.venmarces.com Custom Energy Recovery Units Heat Pipe, Flat Plate Heat, Wheel Heat Exchangers.
MAMMOTH	www.mammoth-inc.com Water Source Heat Pumps, Custom Rooftop Unit 3-265 Tons, Custom Penthouses to 1000 tons, Super Quiet Air-Cooled Chillers	VILEDON FILTERS	www.viledon.com High-Efficiency, Long-Life Filtration
		WILLIAMS	www.williamscomfortprod.com Fan Coils, Integrated Piping Systems
		XETEX	www.xetexinc.com Air to Air Heat Recovery Air Handlers

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