



BALTIMORE



## ABOUT US

# Mission and Vision.

**We are a professional services firm specializing in the design and manufacture of critical cooling and power solutions for myriad clientele markets. Our associates dedicate themselves to the pursuit of symbiotic balance demanded by clients with regards to financial performance, system efficiency, and sustaining resiliency. Our portfolio includes completed projects on six continents, including the most grueling environments on earth.**

**GOVERNMENT and INSTITUTIONAL**

Federal State & Local Government  
Military Facilities  
Embassies and Consulates

**EDUCATION**

Early Childhood K-12  
College and University  
Vocational Training

**MISSION CRITICAL**

Data Centers  
Laboratories  
Life Science  
Pharmaceutical

**COMMUNITY and CULTURAL**

Performing Arts Centers  
Hospitality  
Mixed Residential/Commercial  
Natatoriums

**HEALTHCARE**

Hospitals  
Medical Office and Surgical  
Patient Urgent Care  
Long Term Care

Critical Systems is one of the fastest-growing engineering services firms in the DC, Maryland, Northern Virginia, and New England markets. As a representative of HVAC manufacturers from all over the world we offer products, knowledge, and services to forward-thinking building owners, architects, engineers, development, and construction teams to meet their current and future challenges.

Our mission is to support customer needs and green initiatives with high-quality, innovative solutions. Our sales, engineering, building services, operations, and account management teams consist of highly trained, technically focused individuals with over 700 years of experience. We are committed not only to helping our partners save valuable budget dollars but also to doing our part to make the world a better place.

OUR INSPIRATION +

# Technology Partners

**CRITICAL SYSTEMS** provides professional services within industries as diverse as our clientele. Since 2008, our associates have served building owners and their chosen construction partners, whether requirements be smaller in scale or campus wide modernizations. We're proud of the portfolio of projects we have accumulated and appreciate the opportunity to share their stories.

	<b>FANS</b> Boulder, Colorado <a href="http://acoustiflo.com">acoustiflo.com</a>	Quiet, high efficiency plenum fans
	<b>HEAT TRANSFER PRODUCTS</b> Lynchburg, Virginia <a href="http://aerofin.com">aerofin.com</a>	Cooling and heating coils for all applications
	<b>COOLING SOLUTIONS</b> Lexington, Virginia <a href="http://airedale.com">airedale.com</a>	Vertical classroom unit ventilators
	<b>DUCTLESS SOLUTIONS</b> Miami, Florida <a href="http://airzoneusa.com">airzoneusa.com</a>	Integrated zoning solutions for Samsung
	<b>ENERGY RECOVERY</b> Hillsdale, New Jersey <a href="http://bpequip.com">bpequip.com</a>	Custom designed energy recovery ventilators
	<b>CUSTOM COOLING SOLUTIONS</b> Willoughby, Ohio <a href="http://budzar.com">budzar.com</a>	Critical mission and process cooling chillers
	<b>PACKAGED PLANTS</b> Riverview, Florida <a href="http://canariis.com">canariis.com</a>	UL packaged chiller plants and pumping systems
	<b>CRITICAL PROCESS COOLING</b> Owatonna, Minnesota <a href="http://cdihvac.com">cdihvac.com</a>	Active desiccant dehumidifiers
	<b>COOLING SOLUTIONS</b> Miramar, Florida <a href="http://dbamericas.com">dbamericas.com</a>	Heating, air conditioning, and refrigeration
	<b>CONTROLS</b> Surrey, BC, Canada <a href="http://deltacontrols.com">deltacontrols.com</a>	Automated control systems
	<b>HEAT TRANSFER</b> Fayetteville, Tennessee <a href="http://directcoil.com">directcoil.com</a>	Fluid coolers, air cooled condensers, and custom coils

 <b>AIR TREATMENT SOLUTIONS</b> <b>FILT AIR</b>	<b>AIR CLEANING</b> Hadera, Israel <a href="http://filt-air.com">filt-air.com</a>	HEPA, ULPA and bi-polar ionization products
 <b>HAAKON INDUSTRIES</b>	<b>CUSTOM AHUS</b> Asheville, North Carolina <a href="http://haakon.com">haakon.com</a>	Custom air handling units
 <b>INFINITY</b> CRITICAL SYSTEMS' DEDICATED OUTDOOR AIR SYSTEM	<b>DOAS SOLUTIONS</b> Raleigh, North Carolina <a href="http://captiveaire.com">captiveaire.com</a>	Outdoor air units with energy recovery and variable speed compressors
 <b>KLIMAK</b> srl	<b>CUSTOM AHUS</b> Brenta, Italy <a href="http://klimak.com">klimak.com</a>	Custom air handling and fan coil units
 <b>KOOLJET</b> RELIABLE REFRIGERATION SYSTEMS	<b>CUSTOM COOLING SOLUTIONS</b> Brantford, ON Canada <a href="http://kooljet.com">kooljet.com</a>	Commercial refrigeration and agriculture cooling systems
 <b>KRUEGER</b>	<b>AIR DISTRIBUTION</b> Richardson, Texas <a href="http://krueger-hvac.com">krueger-hvac.com</a>	VAV, fan coils, and portable HEPA units
 <b>LYNXSPRING</b> Technology Solutions Partner	<b>CONTROLS</b> Lees Summit, Missouri <a href="http://lynxspring.com">lynxspring.com</a>	BAS, open protocol, and integration
 <b>MagicAire</b>	<b>COOLING SOLUTIONS</b> Wichita Falls, Texas <a href="http://magicaire.com">magicaire.com</a>	Unit ventilators and air handlers
 <b>MULTISTACK</b>	<b>CUSTOM COOLING SOLUTIONS</b> Sparta, Wisconsin <a href="http://multistack.com">multistack.com</a>	Specialty chillers, custom air handling, and dehumidification units
 <b>neptronic</b> <a href="http://www.neptronic.com">www.neptronic.com</a>	<b>HUMIDIFIERS, DUCT HEATING</b> Montreal, Quebec, Canada <a href="http://neptronic.com">neptronic.com</a>	Duct heaters and humidifiers
 <b>omega</b> HEAT PUMPS	<b>COOLING SOLUTIONS</b> Mississauga, Ontario, Canada <a href="http://omega-heatpump.com">omega-heatpump.com</a>	Vertical stack water source heat pumps and hybrid water source heat pumps
 <b>P&amp;G MFG</b> P & G MANUFACTURING INC.	<b>AIR CLEANING</b> Washington, North Carolina <a href="http://pgmfg.com">pgmfg.com</a>	NBC containment filtration
 <b>PETRA</b>	<b>CUSTOM COOLING SOLUTIONS</b> Amman, Jordan <a href="http://petra-eng.com">petra-eng.com</a>	Packaged DX units, chillers, and air handlers
 <b>PoolPak</b>	<b>POOL DEHUMIDIFICATION</b> York, Pennsylvania <a href="http://poolpak.com">poolpak.com</a>	Natatorium dehumidifiers

 Comfort Conditioning Products	<b>HEATING SOLUTIONS</b> Johnson City, Tennessee <a href="http://raywall.com">raywall.com</a>	Electric heating products
	<b>HEATING SOLUTIONS</b> Saint-Bruno, Quebec, Canada <a href="http://rosemex.com">rosemex.com</a>	Induction fan coils and air handlers
	<b>DUCTLESS SOLUTIONS</b> Seoul, South Korea <a href="http://samsunghvac.com">samsunghvac.com</a>	Variable refrigerant flow systems, ductless systems, modular air cooled chillers, and ERV's
	<b>ENERGY RECOVERY</b> Wyomissing, Pennsylvania <a href="http://sgamerica.com">sgamerica.com</a>	Energy recovery wheels and desiccant wheels
	<b>ENERGY RECOVERY</b> Port Coquitlam, BC, Canada <a href="http://sharcenergy.com">sharcenergy.com</a>	Wastewater heat recovery systems
	<b>HEATING SOLUTIONS</b> Mississauga, Ontario, Canada <a href="http://sigmaproducts.com">sigmaproducts.com</a>	Hydronic heating solutions
	<b>ENERGY RECOVERY</b> Paris, Ontario, Canada <a href="http://skyplumetechnologies.com">skyplumetechnologies.com</a>	Laboratory exhaust and high plume exhaust systems
 BUILT TOUGH. BUILT TO LAST™	<b>COOLING SOLUTIONS</b> Plano, Texas <a href="http://superiorrex.com">superiorrex.com</a>	Fan coil units and blower coil units
	<b>AIR HANDLING UNITS</b> Tillsonburg, Ontario, Canada <a href="http://systemair.com">systemair.com</a>	Air handlers and fresh air ERV's
	<b>AIR HANDLERS</b> Winnipeg, Manitoba, Canada <a href="http://tempeff.com">tempeff.com</a>	Custom air handling units and heat recovery
	<b>AIR HANDLING UNITS, DEHUMIDIFICATION</b> St-Jerome, Quebec, Canada <a href="http://thermoplus.com">thermoplus.com</a>	Water cooled packaged heat pumps and dehumidifiers
 Sustainable Efficiency	<b>COOLING TOWERS</b> Alum Bank, Pennsylvania <a href="http://towertechinc.com">towertechinc.com</a>	Modular cooling towers
	<b>AIR CLEANING</b> Valencia, California <a href="http://uvresources.com">uvresources.com</a>	UV-C air disinfection and hvac efficiency technologies
	<b>VARIABLE FREQUENCY DRIVES</b> Waukegan, Illinois <a href="http://yaskawa.com">yaskawa.com</a>	Variable frequency drives

Kaiser Permanente  
Woodbridge Medical Center



Axcelis Technologies



DC Water Headquarters



# Case Studies



660 North Capitol Street



Smithsonian Tropical Research Institute



Walter Reed National Military Medical Center



The Kennedy Center



MedStar Georgetown University Hospital Surgical Pavilion



Children's National Research & Innovation Campus at Walter Reed



Kaiser Permanente North Baltimore



## CRITICAL SYSTEMS SERVICES

### DESIGN & CONSTRUCTION

HVAC Engineering Services  
Code Compliance  
Application Expertise  
Procurement Flexibility

### SUSTAIN & RECOMMISSION

Evaluation of System Performance  
Recommissioning  
Space Reutilization Planning  
Contingency Planning

### OPERATE & MAINTAIN

Factory Certified Commissioning  
Preventative Maintenance  
Measurement & Verification  
24/7/365 Service Availability

### MODERNIZE

Evaluation of Leading Technologies  
Capital Planning  
Financial Analysis of System Options  
Retrofit and/or Replacement Services



**criticalsystems**

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