



BALTIMORE



criticalsystems

## 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.

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



	<p><b>AIR CLEANING</b> Hadera, Israel <a href="http://filt-air.com">filt-air.com</a></p>	<p>HEPA, ULPA and bi-polar ionization products</p>
	<p><b>CUSTOM AHUS</b> Asheville, North Carolina <a href="http://haakon.com">haakon.com</a></p>	<p>Custom air handling units</p>
	<p><b>DOAS SOLUTIONS</b> Raleigh, North Carolina <a href="http://captiveaire.com">captiveaire.com</a></p>	<p>Outdoor air units with energy recovery and variable speed compressors</p>
	<p><b>CUSTOM AHUS</b> Brenta, Italy <a href="http://klimak.com">klimak.com</a></p>	<p>Custom air handling and fan coil units</p>
	<p><b>CUSTOM COOLING SOLUTIONS</b> Brantford, ON Canada <a href="http://kooljet.com">kooljet.com</a></p>	<p>Commercial refrigeration and agriculture cooling systems</p>
	<p><b>AIR DISTRIBUTION</b> Richardson, Texas <a href="http://krueger-hvac.com">krueger-hvac.com</a></p>	<p>VAV, fan coils, and portable HEPA units</p>
	<p><b>CONTROLS</b> Lees Summit, Missouri <a href="http://lynxspring.com">lynxspring.com</a></p>	<p>BAS, open protocol, and integration</p>
	<p><b>COOLING SOLUTIONS</b> Wichita Falls, Texas <a href="http://magicaire.com">magicaire.com</a></p>	<p>Unit ventilators and air handlers</p>
	<p><b>CUSTOM COOLING SOLUTIONS</b> Sparta, Wisconsin <a href="http://multistack.com">multistack.com</a></p>	<p>Specialty chillers, custom air handling, and dehumidification units</p>
	<p><b>HUMIDIFIERS, DUCT HEATING</b> Montreal, Quebec, Canada <a href="http://neptronic.com">neptronic.com</a></p>	<p>Duct heaters and humidifiers</p>
	<p><b>COOLING SOLUTIONS</b> Mississauga, Ontario, Canada <a href="http://omega-heatpump.com">omega-heatpump.com</a></p>	<p>Vertical stack water source heat pumps and hybrid water source heat pumps</p>
	<p><b>AIR CLEANING</b> Washington, North Carolina <a href="http://pgmfg.com">pgmfg.com</a></p>	<p>NBC containment filtration</p>
	<p><b>CUSTOM COOLING SOLUTIONS</b> Amman, Jordan <a href="http://petra-eng.com">petra-eng.com</a></p>	<p>Packaged DX units, chillers, and air handlers</p>
	<p><b>POOL DEHUMIDIFICATION</b> York, Pennsylvania <a href="http://poolpak.com">poolpak.com</a></p>	<p>Natatorium dehumidifiers</p>



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





Kaiser Permanente  
Woodbridge Medical Center



Axcelis Technologies



DC Water Headquarters

# Case Studies



Riverpoint



660 North Capitol Street



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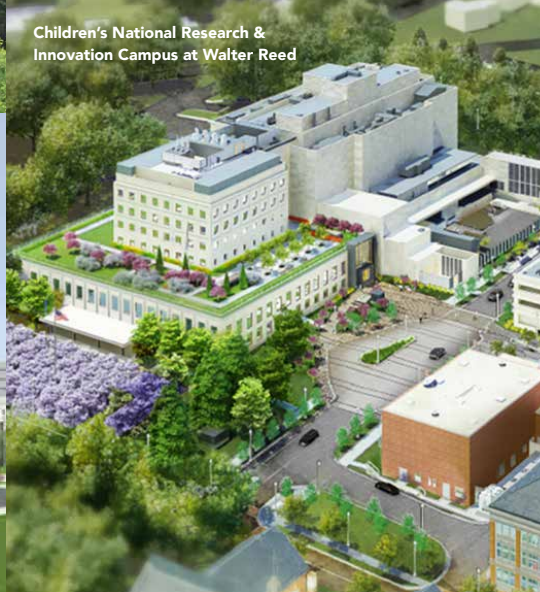
The Kennedy Center



MedStar Georgetown University Hospital Surgical Pavilion



Smithsonian Tropical Research Institute



Children's National Research &  
Innovation Campus at Walter Reed



Walter Reed National Military Medical Center



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



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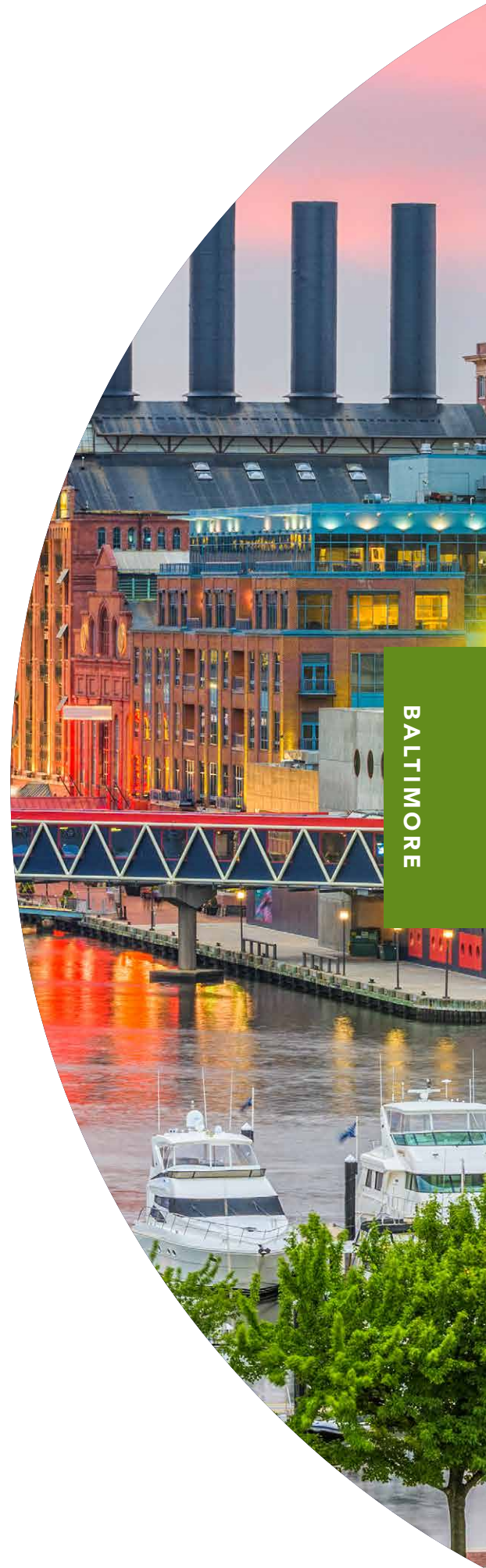
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