



criticalsystems



WASHINGTON DC

ENGINEERING WITHOUT COMPROMISE

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.

	FANS Boulder, Colorado ACOUSTIFLO.COM	Quiet, high efficiency plenum fans
	HEAT TRANSFER COIL Lynchburg, Virginia AEROFIN.COM	Cooling and heating coils for all applications
	COOLING SOLUTIONS Lexington, Virginia AIREDALE.COM	Vertical classroom unit ventilators
	MISSION CRITICAL COOLING Redmond, Oregon BASXSOLUTIONS.COM	Custom cooling solutions for mission critical applications
	PACKAGED PLANTS Riverview, Florida CANARIIS.COM	UL packaged chiller plants and pumping systems
	CRITICAL PROCESS AHUS Owatonna, Minnesota CDIHVAC.COM	Active desiccant dehumidifiers
	HEATING + REFRIGERATION Miramar, Florida DBAMERICAS.COM	Heating, air conditioning, and refrigeration
	CONTROLS Surrey, BC, Canada DELTACONTROLS.COM	Automated control systems
	COILS Fayetteville, Tennessee DIRECTCOIL.COM	Fluid coolers, air cooled condensers, and custom coils



	<p>COOLING SOLUTIONS</p> <p>Hadera, Israel FILT-AIR.COM</p>	<p>HEPA, ULPA and bi-polar ionization products</p>
	<p>CUSTOM AHUS</p> <p>Asheville, North Carolina HAAKON.COM</p>	<p>Custom air handling units</p>
	<p>COOLING SOLUTIONS</p> <p>Raleigh, North Carolina CAPTIVEAIRE.COM</p>	<p>Outdoor air units with energy recovery and variable speed compressors</p>
	<p>CUSTOM AHUS</p> <p>Brenta, Italy KLIMAK.COM</p>	<p>Custom air handling and fan coil units.</p>
	<p>AIR DISTRIBUTION</p> <p>Richardson, Texas KRUEGER-HVAC.COM</p>	<p>VAV, fan coils, and portable HEPA units</p>
	<p>CONTROLS</p> <p>Lees Summit, Missouri LYNXSPRING.COM</p>	<p>BAS, open protocol, and integration</p>
	<p>AIR HANDLING UNITS</p> <p>Wichita Falls, Texas MAGICAIRE.COM</p>	<p>Unit ventilators and air handlers</p>
	<p>CUSTOM CHILLER AND AIR HANDLING UNITS</p> <p>Sparta, Wisconsin MULTISTACK.COM</p>	<p>Specialty chillers, custom air handling, and dehumidification units</p>
	<p>HUMIDIFIERS, DUCT HEATING</p> <p>Montreal, Quebec, Canada NEPTRONIC.COM</p>	<p>Duct heaters and humidifiers</p>
	<p>VERTICAL STACK WSHPS</p> <p>Mississauga, Ontario, Canada OMEGA-HEATPUMP.COM</p>	<p>Vertical stack water source heat pumps and hybrid water source heat pumps</p>
	<p>FILTRATION</p> <p>Washington, North Carolina PGMEG.COM</p>	<p>NBC containment filtration</p>
	<p>CHILLER AND AIR HANDLING UNITS</p> <p>Amman, Jordan PETRA-ENG.COM</p>	<p>Packaged DX units, chillers, and air handlers</p>
	<p>POOL DEHUMIDIFICATION</p> <p>York, Pennsylvania POOLPAK.COM</p>	<p>Natatorium dehumidifiers</p>



	COILS Johnson City, Tennessee RAYWALL.COM	Electric heating products
	INDUCTION UNITS Saint-Bruno, Quebec, Canada ROSEMEX.COM	Induction fan coils and air handlers
	DUCTLESS Seoul, South Korea SAMSUNGHVAC.COM	Variable refrigerant flow systems, ductless systems, modular air cooled chillers, and ERV's
	HEAT RECOVERY WHEELS Wyomissing, Pennsylvania SGAMERICA.COM	Energy recovery wheels and desiccant wheels
	WASTEWATER HEAT RECOVERY Port Coquitlam, BC, Canada SHARCENERGY.COM	Wastewater heat recovery systems
	HYDRONIC HEATING Mississauga, Ontario, Canada SIGMAPRODUCTS.COM	Hydronic heating solutions
	LABORATORY EXHAUST Paris, Ontario, Canada SKYPLUMETECHNOLOGIES.COM	High plume exhaust systems
	FAN COILS Plano, Texas SUPERIORREX.COM	Fan coil units and blower coil units
	AIR HANDLING UNITS Tillsonburg, Ontario, Canada SYSTEMAIR.COM	Air handlers and fresh air ERV's
	AIR HANDLERS Winnipeg, Manitoba, Canada TEMPEFF.COM	Custom air handling units and heat recovery
	AIR HANDLING UNITS, DEHUMIDIFICATION St-Jerome, Quebec, Canada THERMOPLUS.COM	Water cooled packaged heat pumps and dehumidifiers
	COOLING TOWERS Alum Bank, Pennsylvania TOWERTECHINC.COM	Modular cooling towers
	VARIABLE FREQUENCY DRIVES Waukegan, Illinois YASKAWA.COM	Variable frequency drives





Kaiser Permanente
Woodbridge Medical Center



Axcelis Technologies



DC Water Headquarters

Case Studies



Riverpoint



660 North Capitol Street



Robinson Landing



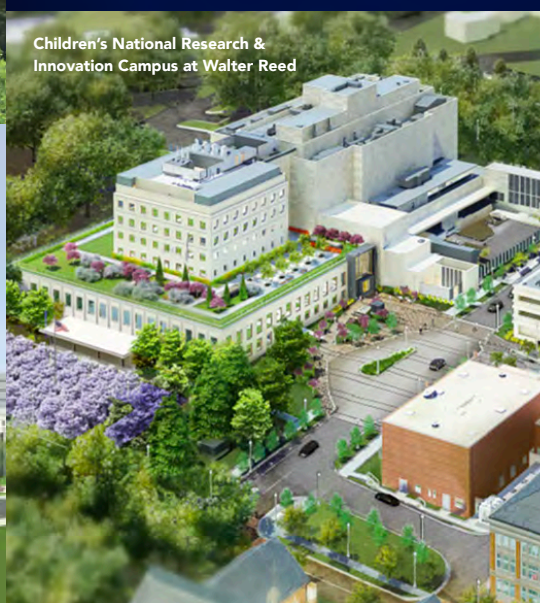
The Kennedy Center



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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