



Core Competencies

- Green Building Sciences
- Health, Safety & Wellness
- Compliance / sustainability
- Finding, vetting and deploying emergent 'green' technologies.

Critical Environmental Solutions is an environmental policy and technology research and deployment firm.

Air Past Performance:

- Air purification, US Department of Defense
 - Improved indoor air quality (infection control) / \$56,996 annual energy savings
- Duct Sealing, Fort Drum (New York) Army Base Housing Development
 - 3,600 homes sealed
 - Reduced gas use by 47% / ROI <34 months
 - Achieved Energy Star

Water

- Cooling Towers, Nellis Air Force Base, Nevada
 - Eliminated salt and chemicals / ROI <7 months
 - Stopped scale, bio and algae from occurring
 - Lowered maintenance
- Filtration, Denver Federal Center, Colorado
 - Reduced 99.5% of air and dirt in plumbing systems
 - Reduced energy use by 10%
 - Stopped corrosion / saved water
 - ROI <6 months

Key Awards: For Innovation

- National Restaurant Association (2015)
- Water Environment Federation (2018)
- ACHR Dealer Design Awards (2) Efficiency and Ventilation (2016)
- AHR Innovation Award (2020) IoT Air monitoring and air purification

Differentiators:

- Guaranteed energy savings
- Infection control / Lab tested / M&V
- Eco-friendly / no chemicals or byproducts
- Patented / sole source / policy driven
- Trials available
- SDVOSB
- Central location / easy access to many installations
- Energy, air and water under one roof – All Green

Key Memberships / Associations



NIACS Codes:

238220, 561720, 423830, 561210, 541330, 423720, 561720, 334512, 333413, 541690

DUNS #

078541696

CAGE Code:

68VX5

Critical Environmental Solutions (CES) SDVOSB

Delaware S-corporation (2012)

CES delivers emergent technology to solve common energy, air and water challenges in the built environment. Federal policy driven product selection, environmentally friendly and practical applications.

Testimonials

I can tell you in brief that we installed a HYDROFLOW device on one of our cooling towers about a year ago and have not utilized any industrial water treatment chemicals at all in the last 9-10 months of operation. All scale was removed by the device, there has been no bio-fouling or return of scale matter since the removal of chemicals.

James Romero
99 CES, CEOIH
HVAC/MECHANICAL/CONTROLS SYSTEMS FOREMAN, Nellis Air Force Base

We have tested multiple technologies. One thing we quickly noticed is that the AtmosAir systems are reliable and AtmosAir works. We have had good success with the product and have installed them in a number of buildings.

Dennis Bonair, Chief Engineer, Fort Benning

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