fiberoptiq
LiquidCool Data Center

capabilities STATEMENT

Fiberoptiq LiquidCool Data Center Application Overview

Historically, electronic equipment has been cooled by circulating chilled air around and through IT devices. With processor chip advances, however, this is becoming increasingly inefficient and expensive. Air cooling also is environmentally irresponsible. Data Centers and commercial building facilities currently consume a huge amount of electric energy, and more than half is wasted to cool the electronics. Beneficial to Fiberoptiq LiquidCool Data Center [LCDC], the LCDC-cooled IT hardware is ideal for edge applications being installed anywhere there is power and fiber. The US National Renewable Energy Laboratory confirms that LCDC technology is able to recapture over 90% of rack input energy in the form of high-quality heat that is suitable for reuse. Accepted paradigm is that electric energy fueling buildings for computing and getting rid of heat is an expensive problem to solve. In the LCDC Core universe, while computing is the main event, byproduct heat is a desirable resource with great economic and environmental value.

Fiberoptiq LCDC Smart Water Heater

Value Proposition

Fiberoptiq LCDC technology has the potential to eliminate that energy wasted as well as provide the following advantages:

Energy Savings: No air conditioning required
Water: No water required
Power: Supports high-power computing applications
Reliable: Electronics are isolated from the environment
Quiet: No fans in the rack
Easy to Maintain: Neat, quick and clean

Vision & Mission

Fiberoptiq LCDC initially install in tall buildings with existing backup power where hot water and computing requirements are significant!

Vison: The LCDC Smart Water Heater (*SWH*) is an appliance deployed in buildings at the edge of the network that recaptures 90% of waste energy to heat water from a 50-kilowatt computing rack.

Mission: A[n] *SWH* requires 30 square feet of floor space in the mechanical room. In addition to onsite computing and hot water, the *SWH* would be a 5G hot spot that generates rent from telecommunication companies.

Social Media

Click or Search here at: *LinkedIn* or www.linkedin.com/in/fiberoptiq-llc-gerry-w-stevens-mm-pm-670230181

Certifications

Federal/State

CAGE: 8GJ02
DUNS: 047524928

Los Angeles City & County

Small Business Enterprise [SBE]
Small Local Business Enterprise [SLB]
Disadvantage Business Enterprise [DBE]
Minority Business Enterprise [MBE]
Local Small Business Enterprise [LSBE]
Local Business Enterprise [LBE Harbor]
Very Small Business Enterprise [VSBE Harbor]
Veteran-Owned Small Business [VSOB]

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NAICS CODES

518210 Data Processing, Hosting, Related Services (PRIMARY)
517919 All Other Telecommunications
517312 Wireless Data Communications Carrier
517311 Wired Telecommunications
334111 Electronic Computer Manufacturing

PSC CODES

D301	IT Telecom-Facility Operation, Maintenance (PRIMARY}
D305	IT Telecom-Teleprocessing, Timeshare, Cloud Computing, High-Performance Computing
D316	IT Telecom-Telecommunications Network Management IT
D322	Telecom-Internet
D325	IT Telecom-Data Centers, Storage