



“Working to minimize our carbon footprint is paramount to DataSite. Maximizing energy efficiency is a win for our customers, our environment, and our bottom line; a true Win-Win.”

— Jeff Burges,
President of DataSite



A Fortress For The Digital World

877.374.2656

www.DataSiteColo.com

DataSite Colocation Environmental Commitment

DataSite is fully committed to “green” initiatives and has undertaken many modifications and implemented many energy efficient systems to increase the efficiency of the existing DataSite facilities.

Some of the techniques deployed at the DataSite facilities include:

- Hot/Cold aisle cabinet layout with plenum return to optimally isolate hot and cold air streams and reduce bypass airflow
- Plenum air return to CRAH units
- Raised floor or rack penetration blocked with brushes or similar materials
- Using reflective TPO roofing membrane to defer heat from the building
- Use of high efficiency chiller plants which utilize variable frequency drives for optimal performance on pumps, fan units and air handlers
- Use of water cooled equipment to service high density racks (5kw+)
- Implementation of under floor baffling systems

DataSite’s PUE is tied to our metered billing model; therefore, DataSite is continually seeking and deploying innovative ways to reduce our PUE and in turn pass the savings on to our customers.

With plenum hot air returns, DataSite welcomes the use of high density air cooled solutions (ducted cabinets or containment) and requires customers to use blanking panels in any open rack mounted units in order to further improve energy efficiency.

DataSite utilizes infrared imaging which is used to both diagnose and document the reduction of bypass airflow in all DataSite facilities.



Cost Effective Energy



Sustainable Power Sources



Free Cooling

Lower Power Cost

- Metered Power
- Free Cooling
- Hydro Electric Power
- Wind Power
- Solar Power
- Corporate Sustainability Plan

Energy Efficiency (PUE)

- Variable Frequency Drives
- TPO “Green” Roof
- High Efficiency UPS
- High Efficiency Chillers
- Thermal Insulation
- Airflow Optimization

High Efficient Cooling

- Hot/Cold Aisle Containment
- Blanking Panels
- Plenum Returns
- Reardoor Heat Exchangers
- In-Row Cooling
- Chilled Water to the Rack
- Chimney Returns

Colocation Services

- Single Locking Cabinets
- Colocation Cages
- Private Data Center Suites
- Metered Power Billing
- Flexible Power Densities
- 24 x 7 Onsite Security
- SSAE 16 Type II Audit
- N+1 and 2N UPS Power
- HIPPA, PCI, NIST & FISMA Compliant



Chimney Cabinets



Natural Cooling



Heat Reflective Roof Membrane



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