Protecting the Environment Through Efficient Solutions and Responsible Operations

Vertiv, a global leader in designing, manufacturing, and servicing critical digital infrastructure, strives to innovate and develop solutions that enable our customers to be more energy and water efficient in their data center operations.

1 BILLION

Our water-free cooling systems have **saved billions of gallons of water a year** worldwide since we introduced them in 2013.

6.75 MILLION

Vertiv™ Liebert® DSE 250kW free-cooling economization system saves up to **6.75 million gallons of water per year** compared to a 1MW data center using a chilled water cooling system with a water-cooled chiller plant.

70

More than 70 models across our portfolio are ENERGY STAR certified UPS systems.

35%

Vertiv™ Liebert® iCOM™-S thermal system supervisory control, a solution we pioneered to work across the data center to reduce energy consumption, provides **up to 35% higher efficiency** for managing data center cooling infrastructure versus without it.

98% EFFICIENCY

Vertiv™ Liebert® Trinergy™ Cube will automatically select, based on input power source conditions, the most efficient operation mode to provide **greater than 98% system efficiency** without compromising critical load uptime.

Our eco-friendly, energy efficient Vertiv™ Liebert® AFC inverter screw chiller and Vertiv™ Liebert® CWA chilled water thermal wall units utilize low global warming potential (GWP) refrigerant and are designed **to reduce CO2 equivalent (CO2e), limit carbon footprint, and operate with high energy efficiency.**

99%

Vertiv™ Liebert® EXL S1 UPS with Dynamic Online Mode **enables operating efficiency up to 99%** and is more energy efficient as compared to a standard online UPS.

Telefónica

Telefonica Aims for Net Zero

Telefonica, a leading telecommunicatrions company headquartered in Spain, is a global organization with a strong presence in 12 countries. Having a key strategy to build a scalable platform for sustainable growth and returns, this telco employed the Energy Savings as a Service model, relying on Vertiv's energy efficient infrastructure along with service expertise to confirm optimized operations. This model created **immediate reductions in carbon emmisions** and is expected to enable Telefonica to achieve its net Zero goal by 2040.

colovore

Colovore Sustains High-Density Computing

Created specifically to meet the Silicon Valley's need for infrastructure able to support generation high-performance computing, Colovore was challenged to drive operating efficinecies and power usage effectiveness (PUE) as low as possible. By deploying the Vertiv™ Liebert® DCD liquid-cooled rack door solution, the colocation provider **dropped PUE to 1.1 at 50% load** and is able to sustain this level of efficiency while offering up to 50 kilowatts per rack.

Developing High Performing Products: 5 Key Principles

1.	**HIGH EFFICIENCY**	Design energy- and water-efficient solutions for the market
2.	**HIGH RELIABILITY**	Build resilient and highly serviceable equipment that's durable and long lasting
3.	**LOW IMPACT**	Strive to understand and limit manufacturing processes that may have adverse environmental impacts, and measure and increase use of recycled materials in our products and product packaging
4.	**LOW TOUCH**	Enable remote troubleshooting, optimization services and more connected systems to improve, and reduce environmental impact of maintenance practices
5.	**CIRCULAR ECONOMY**	Reuse, refurbish, or recycle end-of-life equipment and materials

Organizations We Work With

- The Eco Edge Prime Power (E2P2) Project
- The European Data Centre Association (EUDCA)
- Rise Research Institutes of Sweden
- Sustainable Tropical Data Centre Tested (STDCT)

Learn more at Vertiv.com/ESG