

Case Study: Our Green Initiative

Taking the Lead on Eco-Friendly Data Center Design

At Latisys, we actively work to make our operational facilities eco-friendly – both to answer the call for environmentally-friendly data centers, and so our customers can take advantage of the cost savings that consolidation, high-density space and virtualized environments provide. In fact, we are at the forefront of efficiency programs being developed through Xcel Energy – an environmental leader in the energy industry – to decrease peak energy use and increase our energy efficiency through environmental best practices, such as:

Action: Ultrasonic Humidification

Impact? Ultrasonic humidification far surpasses alternatives, such as traditional steam canister humidification, by **consuming less water and up to 93% less electricity** to replenish the humidity in the air.

Action: Longer Life Batteries for UPS Battery Backup

Impact? Our long lasting batteries are made of 80% recycled content, and need to be recycled far less frequently than standard batteries, **reducing environmental impact from the re-claiming and transportation processes.**

Action: Environmentally-Friendly Building Practices

Impact? Through eco-friendly building design and innovative materials such as white PVC on our roofs to reflect sunlight, **we reduce the demands on cooling to our facilities, alleviating power demands.**

Action: Ultrasonic Water Purification for Evaporative Cooling Towers

Impact? Our Dolphin Cooling Tower purification system strips the water in our cooling towers of harmful bacteria **without the introduction of traditional chemical treatments**, making it safe for repurpose.

Action: Air Flow Optimization

Impact? By optimizing our cooling efficiency with both hot-aisle and cold-aisle containment practices, **we use less energy, benefitting both our customer's bottom line and the community at large.**

Action: Use of DC Power

Impact? Latisys uniquely uses DC battery power systems that **deliver higher efficiency with reduced heat production** and save energy wasted on power conversion and cooling.

OUR CONTINUED COMMITMENT TO A GREEN LIFESTYLE

We recognize that the data center isn't the only place to improve efficiencies and reduce environmental impact. At Latisys, we also recycle paper waste generated in our administrative offices and provide cardboard recycling facilities for the disposal of shipping materials. We continue working to identify new efficiencies and conservation opportunities to further reduce our impact and support sustainable solutions.



Through both hot- and cold-aisle containment practices, we maximize cooling efficiency in our data centers.



Utilizing our long-lasting recycled battery string greatly reduces our environmental impact.