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Case Study: Outdoor Sporting Company Earns LEED®-NC Gold Rating with Centurion® Rooftop Units

In This Issue...

CASE STUDY

Carrier Rooftop units contribute to LEED®-NC Gold Rating.



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Maintaining the company's core values without carving into its profitability became a significant challenge when a vacant mixed-use building was selected for Mountain Gear's new headquarters and distribution center. Mountain Gear invited Howard Schneider, District Sales Manager at Airefco, Inc., to assist in planning the renovation. The firm suggested making the renovation a LEED® project under the LEED for New Construction (LEED-NC) rating system, specifying Carrier® Centurion® packaged rooftop units with Puron® refrigerant, ComfortLink™ controls and other factory-installed and pre-engineered options such as non-fused disconnects, power exhaust, CO2 sensors and smoke detectors. With the Centurion's high efficiency ratings — SEER to 15.0 and EER to 12.7 — and its energy-saving fan system, the design solution met LEED-NC requirements to reduce energy costs, and also qualified for energy rebates from their utility company.

In addition to their energy efficiency and qualifications for LEED status, the Centurion rooftop units were ideal because they use Puron refrigerant, a non-ozone-depleting refrigerant. "Gaining LEED credit was significant," said Paul Fish, President of Mountain Gear, "but using an environmentally sound refrigerant was also important to the company's stance on sustainability and environmental responsibility."

Carrier ComfortLink controls and CO2 sensors enable Mountain Gear to monitor energy use and develop trend logs. Schneider said, "Understanding energy usage within a building is



Carrier's energy-efficient equipment helped the facility save \$22,000 on electrical and gas energy costs.

critical, especially with rising utility costs.” Thanks to the Centurion-based system and Carrier controls, the facility is 39 percent more energy efficient than a conventional building of its size. That translates to a savings of \$22,000 a year in gas and electricity costs.



Mountain Gear

“We’re thrilled with the new Centurion rooftops and the entire Carrier system,” said Fish. “The equipment played an integral role in our LEED Gold rating, and we enjoy consistent temperature and humidity throughout the different areas of the building. We’re even able to service the HVAC equipment easily. But what’s best of all?” Fish concluded. “The nearly 40 percent energy savings. Between the rebates and the energy savings, our return on investment was extremely short. We could not be more pleased.”

For more information on Carrier Centurion rooftop units, please visit Carrier's [Commercial](#) web site.

“This was definitely the right choice. The Centurion® rooftop units not only played a vital part in our building being awarded the Gold LEED®-NC rating, but with the new rooftops installed, the building takes care of itself”

Paul Fish
President
Mountain Gear,
Spokane, Washington

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