

# University Data Center – Western U.S.

## Background

A university located on the west coast of the United States recognized the need and benefit of consolidating all of their IT into one centralized data center on campus.

## Challenge

Prior to data center construction, each department at the university was tasked with managing its own infrastructure, but in an effort to reduce costs and improve efficiency, campus administrators chose to build a large research computing facility for the entire university. University leadership also wanted to reduce energy consumption, maximize floor space and ensure 100 percent uptime to the most mission critical applications.

## Solution

To meet its requirements, the university chose to deploy nearly **3 megawatts of flywheel UPS** rated at 415 volt. The university had initially considered deploying legacy battery UPS, but found **Active Power's CleanSource® UPS systems** to be a more reliable solution with a lower total cost of ownership (TCO).

## Result

With its small footprint, Active Power's UPS systems in part enabled the university to reduce space consumption by 50 percent – as they converted the proposed battery room into useable storage and reallocated funds previously earmarked for battery maintenance and replacement. The UPS systems are also contributing to saving the institution nearly \$300,000 in annual operating expenses, in part due to the use of 415 volt distribution.

**“Early in the selection process, we questioned the use of batteries and conducted a TCO comparison, where many factors tipped the scale, with Active Power saving us the most.”**

– University's Research Computing Strategist

