



## **Advanced Data Centers excels and receives LEED Platinum**

Written by Staff Writer

Tuesday, 05 August 2008

Advanced Data Centers (ADC) has announced that its McClellan Park data center located on the former McClellan Air Force Base, a 3,000+ acre business park located in Sacramento, CA has received Platinum Pre-Certification from the U.S. Green Building Council under the LEED(R) Green Building Rating System(TM). The McClellan Park facility, located in Sacramento, California, is the industry's first and only LEED Platinum pre-certified data center according to ADC.

The Leadership in Energy and Environmental Design (LEED) Green Building Rating System(TM) is the nationally accepted benchmark for design, construction, and operation of high performance green buildings. LEED gives building owners and operators the tools they need to have an immediate and measurable impact on their building's performance. LEED promotes a whole-building approach to sustainability by recognizing performance in five key areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection, and indoor environmental quality.

"At a time when data center energy demand is accelerating, we are significantly reducing energy usage and impact on the utility grid at the McClellan Park facility," said Michael Cohen, President of Advanced Data Centers. "We will continue to design environmentally responsible data centers and consider LEED as a baseline for our facilities going forward."

The McClellan Park data center will have a Power Usage Effectiveness (PUE) of 1.1, while the average data center typically ranges from 1.8 to 3.0. PUE is a measure of the energy efficiency of a data center. A 1.1 PUE reduces the energy required to operate the data center by over 50 percent and lowers the total cost of data center ownership to the customer. "The reduction in energy usage significantly reduces the facility's carbon footprint and impact on the utility grid," added Bob Seese, ADC's Chief Data Center Architect.

"The energy use of the ADC data center meets a recently considered impossible to achieve PUE of 1.1. With an energy savings of \$1 million to \$2 million per year this project stands to be the largest energy savings achieved ever in Sacramento and indeed the rest of California," said Peter Rumsey, President of Rumsey Engineers. "ADC has taken a leadership role in designing one of the country's lowest energy data centers. This is the key component of the LEED platinum certification and more importantly in making this facility the lowest carbon-emitting data center of its kind in California."