

City College's Career Technology Center lauded

San Diego City College's latest "green" building, the Career Technology Center, was recently honored with a Best Practice for Sustainable Design by the California Higher Education Sustainability Conference.

This is the third consecutive year a San Diego Community College District project has been honored by the conference, highlighting best practices and innovations in sustainability in higher education campus operations, planning, design, curriculum, and research within the California State University, California Community College and University of California systems.

The Career Technology Center is a new five-story, 88,000-square-foot instructional facility housing the expanded nursing, cosmetology and photography and digital arts departments.

The facility was awarded a Leadership in Energy and Environmental Design (LEED) Gold certification by the U.S. Green Building Council in January 2011.

There is extensive use of recycled materials, such as terrazzo flooring that contains 100 percent post-consumer glass.

Steel remnants from the exterior finishes are used as interior design elements.

The building is designed to achieve significant daylighting of the public areas, and controlled daylighting of the work and study areas.

Solar panels are installed on the roof and parking structure's south façade. The solar energy generated will provide approximately 8 percent of the building's total energy needs, contributing to an energy efficiency that is approximately 25 percent better than what the state requires.

The Career Technology Center, which was completed in May 2010, is the district's seventh facility to be LEED certified, and fifth to achieve a LEED Gold designation.

Other sustainable features include 100 percent filtering of stormwater, remediation of 8,000 cubic yards of contaminated soil left from previous industrial uses, use of water-efficient landscaping and synthetic turf, plumbing fixtures that reduce potable water usage by 55 percent, use of products with 37 percent recycled content, diverting 63.7 percent of construction waste from local landfills, which equates to 558 tons of material, and use of materials with low volatile organic compounds throughout.

The Career Technology Center was funded by the district's \$1.55 billion propositions S and N construction bond program.

The center project team included architect **Carrier Johnson + CULTURE**, construction manager **Rudolph & Sletten**, solar/photovoltaic contractor **Sullivan Solar**, **McCullough Landscape Architecture**, campus project manager Thomas J. Fine, **JE Moore Consulting**, and Propositions S and N program manager **Gafcon Inc.**

Engineering services were provided by **MA Engineering** for mechanical, **ILA Zammitt** for electrical, **KPFF Consulting Engineers** for structural and **RBF Consulting** for civil.