



# Green Building Case Study Bren Hall



## Building Highlights:

**LEED Certification Type:** New Construction (NC)

**LEED Certification Level:** Platinum

**Size:** 84,672 sq ft

**Cost:** \$26 million

**Funding Source:** State of CA

**Completion Date:** April 2002

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**Architects:** Zimmer Gunsul Frasca

**Engineers:** Flack & Kurtz

**Contractors:** Soltek Pacific

**Landscape:** Wallace Roberts Todd

[www.sustainability.ucsb.edu](http://www.sustainability.ucsb.edu)



## Why this Building?

The construction of Bren Hall provided a unique opportunity for implementing green building practices. Bren is home to the Donald Bren School of Environmental Science and Management – a higher learning establishment with an interdisciplinary approach to environmental problem solving. This flagship LEED building has received support from all involved stakeholders, proving to the broader UC System that LEED certification was not only possible, but the right direction for future construction and renovations at all UC campuses.

## Green Achievements:

- 1<sup>st</sup> building in UC system to receive LEED certification
- Surpasses CA Title 24 by more than 30%
- 42 kW photovoltaic solar array on roof
- Energy Star-rated roof
- Efficient lighting system and controls
- Extensive metering for resource use and air quality
- Waterless urinals
- Reclaimed water used in 1<sup>st</sup> floor toilets
- Reclaimed water used for irrigation
- Drought tolerant landscape
- Recycled and recyclable carpet
- Low VOC paints
- Passive ventilation in perimeter office spaces connected to HVAC
- Renewable resource use including
  - Bamboo
  - Linoleum
  - Cork
- Recycled content including
  - 15-20% fly ash in concrete
  - Recycled toilet partitions
  - Recycled steel framing
  - Recycled glass cullet in counter-tops and landscaping