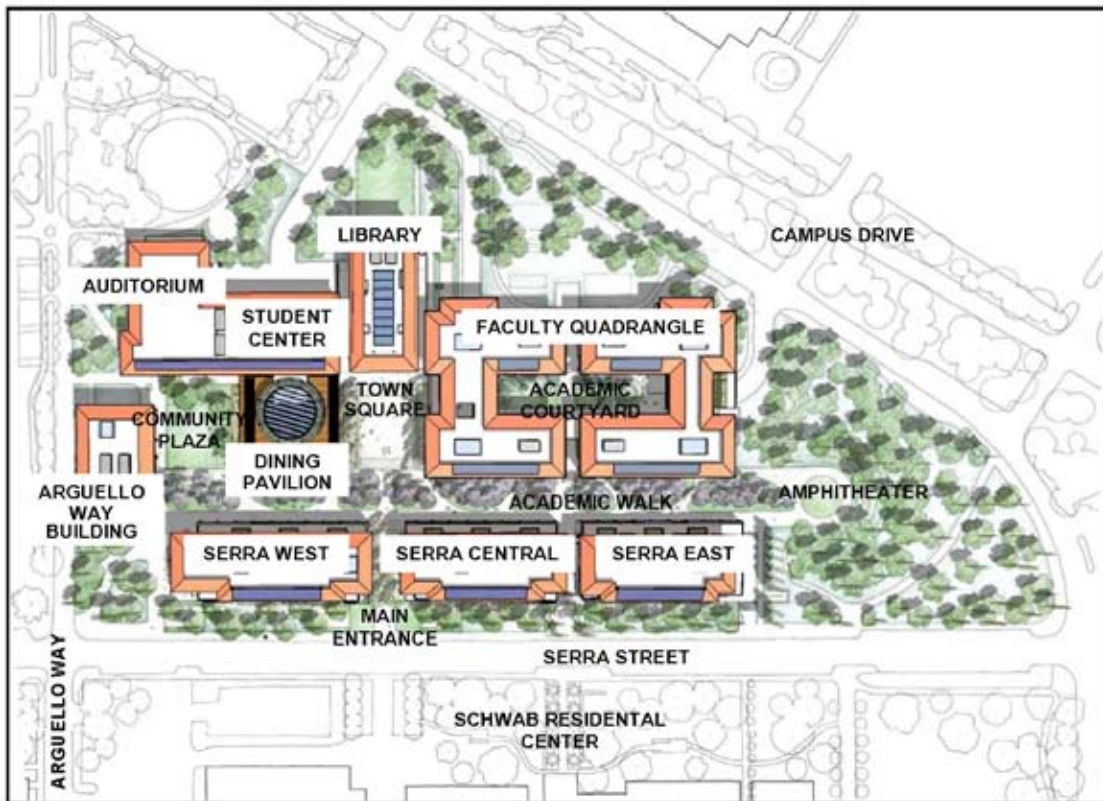




**Graduate School of Business Campus Sustainability Fund**  
**Environmental Leadership at the Knight Management Center**

THE  
STANFORD  
CHALLENGE

*Seeking Solutions, Educating Leaders*



## GSB Campus Sustainability Fund: Environmental Leadership at the Knight Management Center

The Stanford Graduate School of Business is taking a leadership role in environmental sustainability in developing the new Knight Management Center campus. In doing so, the Business School leverages Stanford President John L. Hennessy's call for the university to be a force for change on issues of global importance, including the environment. As a state-of-the-art campus, the Knight Management Center will be:

- a generator of clean energy
- a highly responsible user of water
- an exceptional environment for people

The GSB is an essential part of Stanford University's vision to impact the world's most pressing problems. With the Initiative on the Environment and Sustainability as a key component of The Stanford Challenge, the ambitious university-wide campaign to substantially enhance Stanford's capacity for seeking solutions and developing leaders, our efforts to set an example with sustainable building techniques are all the more critical.



RED TILES WILL COVER ROOFS ONLY PART WAY TO MAXIMIZE ENERGY EFFICIENCY



THE MAIN ENTRANCE OF THE KNIGHT MANAGEMENT CENTER LEADS DIRECTLY TO THE TOWN SQUARE, A CENTRAL OUTDOOR GATHERING SPOT

### THE KNIGHT MANAGEMENT CENTER

The Knight Management Center will encompass approximately 450,000 square feet. This will replace the current 259,000 square feet of outdated Business School facilities.

The plans include:

- a 600-seat auditorium
- greater variety in size and type of classrooms
- breakout study rooms
- dining facilities
- a career management center
- executive education space
- faculty and staff offices

Groundbreaking is scheduled for the summer of 2008, and occupancy is anticipated in 2010-11.

[www.gsb.stanford.edu/knightcenter](http://www.gsb.stanford.edu/knightcenter)

### TAKING A LEADERSHIP POSITION

To achieve our vision for the GSB of the future, we need a new, more flexible campus—one that will support a wider variety of teaching and learning methods and enable us to collaborate with faculty and students from around Stanford. The Knight Management Center will demonstrate that smart building design can dramatically reduce environmental impacts and decrease lifetime cost. The campus will inspire the GSB community and, in turn, encourage the development of new environmentally sustainable products and services, environmental leadership among our students and alumni, and individual commitment to the environment.

The campus will balance the following guiding principles:

- 1) Promote academic excellence through a campus that inspires its inhabitants, supports a healthy and productive teaching and learning environment, and is adaptable to changing pedagogies and technologies that will emerge in the coming years.
- 2) Sustain the environment and our GSB community by promoting interaction between and among GSB and Stanford students, faculty, alumni, and the global business community while reducing the environmental impact of campus construction and operations and actively participating in the sustainability movement.
- 3) Be economically responsible by using current and future financial resources wisely and anticipating economic costs and benefits beyond initial construction costs.

### INVOLVING KEY STAKEHOLDERS: THE ENVIRONMENTAL SUSTAINABILITY TASK FORCE

The GSB created an Environmental Sustainability Task Force of 15 members made up of key stakeholders: faculty, staff, students, and alumni. The group identified goals, strategies, and tactics relating to the guiding principles above. Through discussion among themselves and consultations with nationally renowned experts, members identified existing and emerging sustainability technologies and solutions.

The Task Force evaluated options for environmental sustainability in the new campus and recommended that the GSB seek Leadership in Energy and Environmental Design (LEED®) certification for all buildings of the Knight Management Center.

The following are key goals for the campus:

- **Flexibility** – From site design to floor plate to office layout, create adaptable spaces that can accommodate present and future needs.
- **Energy** – Design the facilities' mechanical and electrical systems to exceed current energy efficiency standards by 40% to 45%; generate at least 18% electricity on site.
- **Water** – Use rainwater and/or recirculated gray water to reduce potable water use for building sewage conveyance by 50%.
- **Materials** – Throughout the facilities, use low or no volatile organic compound-emitting materials to ensure exceptional indoor air quality.
- **Economics** – Use life cycle cost analysis rather than simple payback to evaluate design decisions in building what is envisioned to be a 100-year campus.

As the Knight Management Center continues through the design phase, the School will work with the architects to ensure the campus serves as an environmentally sustainable model that inspires the GSB and Stanford community.



THE LIBRARY, LIKE ALL THE BUILDINGS OF THE NEW CAMPUS, WILL UTILIZE NATURAL LIGHT TO SAVE ON ELECTRICITY COSTS



STUDENTS AND FACULTY HELPED INSTALL SOLAR PANELS ON A SERVICE LEARNING TRIP TO BRAZIL

### LEED CERTIFICATION GOAL FOR THE KNIGHT MANAGEMENT CENTER

The Task Force recommends that the school seek the LEED® Platinum rating for the design of the new Knight Management Center, which is the highest level of certification currently offered by the LEED® Green Building Rating System from the U.S. Green Building Council. The school is pursuing an aggressive fundraising strategy to help defray the costs associated with design and certification.

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. Additional credit is given for design innovation. Green technologies to consider are found in the table below.

Site	<ul style="list-style-type: none"> <li>• Building orientation</li> <li>• On-site stormwater management/treatment</li> </ul>	<ul style="list-style-type: none"> <li>• Drought-tolerant landscaping</li> </ul>
Structure	<ul style="list-style-type: none"> <li>• Recycled content materials</li> <li>• High-volume flywash in concrete</li> <li>• Operable windows</li> <li>• Cool or green roof</li> <li>• Prefabricated elements</li> <li>• Raised floor</li> </ul>	<ul style="list-style-type: none"> <li>• Prefabricated elements</li> <li>• Raised floor</li> <li>• Forest Stewardship Council Certified wood</li> <li>• Spectrally selective glazing</li> </ul>
Systems	<ul style="list-style-type: none"> <li>• Geothermal</li> <li>• Photovoltaic and Building-Integrated PV Panels</li> <li>• Solar hot water</li> <li>• Grey water</li> </ul>	<ul style="list-style-type: none"> <li>• Flexibility for future retrofit</li> <li>• Water conserving fixtures</li> <li>• Living System®</li> <li>• Radiant Heat</li> </ul>
Setting	<ul style="list-style-type: none"> <li>• Operable windows with link to HVAC controls</li> <li>• Energy efficient lighting</li> </ul>	<ul style="list-style-type: none"> <li>• Modularity</li> </ul>
Scenery	<ul style="list-style-type: none"> <li>• Recyclable furniture with recycled content</li> <li>• Organic foods</li> </ul>	<ul style="list-style-type: none"> <li>• Low-volatile organic compound materials</li> </ul>



#### CONTACT US

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#### YOUR VITAL ROLE

Donors can help the school achieve its sustainability goals through gifts to the GSB New Campus Fund. Given the importance of the project, we need your broad support for the Knight Management Center. Investments in the new campus, along with those directed to the GSB Campus Sustainability Fund, will support green technology and sustainable materials, LEED®-certification, and energy and water conservation techniques. These investments will give the school leverage to fund sustainable features of the new campus as well as opportunities to invest in new technology that might otherwise be cost prohibitive. Please consider investing in our future home to help us create a campus that is not only a model of innovation that enables creative teaching and learning, but also a place of environmental inspiration.