

2012

DesertSol: Promotional Flyer

University of Nevada, Las Vegas. Solar Decathlon Team.

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About Solar Decathlon

- The U.S. Department of Energy Solar Decathlon is an international competition sponsored by the U.S. Department of Energy with the goal to educate the public about energy-saving housing.
- In this competition, 20 collegiate teams across the U.S. and beyond design, build, and operate net-zero, solar-powered houses.
- This competition serves as an avenue for academic institutions and their respective teams to showcase house designs that promote sustainability and the environment.
- The Solar Decathlon 2013 will be held in Orange County Great Park in Irvine, California, from October 3-13, 2013.



About Team Las Vegas

- Team Las Vegas is representing UNLV and the Silver State in the 2013 Solar Decathlon with its entry, Desert Sol.
- As a student-run project, team members gain first-hand experience in designing, planning, constructing, and maintaining a prototype house of the Mojave Desert.
- The team is truly an interdisciplinary collaboration of UNLV's talented students and faculty members, each bringing different backgrounds and expertise to the project.
- Currently, there are between 15-20 students who work directly on the project. This number is expected to increase to more than 50 once the construction of the house begins in Spring 2013.



Desert Sol's Design

- Desert Sol's design philosophy imagines a new type of home that could transform the housing market in Las Vegas. It exemplifies an ultra-efficient home that both educates and inspires the inhabitants of the Mojave Desert through the responsible use of the sun and water.
- Desert Sol is designed as modules that can be easily transported and assembled at various sites, whether in the city or the mountains.
- Although the 600 sq. ft. design targets the vacation home market, the Desert Sol will also be appropriate anywhere in the country for retiree living, for people who are sustainability conscious, or empty-nest families wishing to downsize.





Will You Help Us Support Team Las Vegas?

Team Las Vegas' selection to participate in the U.S. Department of Energy Solar Decathlon 2013 is a triumph for UNLV, Las Vegas, and the Mountain West Region. We are thrilled to have the opportunity to showcase our knowledge and represent our region in this international competition. Our success thus far is a testament to our innovative curriculum, dedicated faculty and students, and strong community partnerships, but we need your help to continue moving forward.

Your commitment is an investment in our current students and future generations and will continue to impact and benefit Las Vegas in many ways:

- Creating an educated and much-needed workforce with renewable energy expertise
- Extending research opportunities for renewable energy
- Investigating alternatives for lifetime living possibilities unique to our region
- Educating the community about the benefits of energy efficient living
- Diversifying our economy
- Positioning UNLV and Las Vegas on an international stage with other renowned universities

We are excited about the countless possibilities this competition offers. Please join us as our students endeavor to become leaders in the fields of solar power, renewable energy, water management, and other sustainability initiatives. We hope to count you as members of Team Las Vegas as we strive to win!

You can contribute to the project with any cash and in-kind donations or a combination of both, which are tax deductible to the extent allowable by law. Donations will help defray costs for:

- Building construction materials
- Graphics and communications
- Travel and transportation

In addition, sponsorship opportunities are available. For more detailed information about donations and sponsorship of Team Las Vegas, please visit <http://solardecathlon.unlv.edu>

Timeline

Summer 2012: Design development

Fall 2012: Construction documents

Spring 2013: Construction

Summer 2013: Testing

Fall 2013: Competition

Approximate Costs

Desert Sol Construction - \$320,000

Additional Project Costs - \$430,000

Communication materials

Transportation of house

Student support

Travel to and accommodations in Irvine

Funding Sources

U.S. Department of Energy

University of Nevada, Las Vegas

Community donors and supporters

Interested in Supporting the Team?

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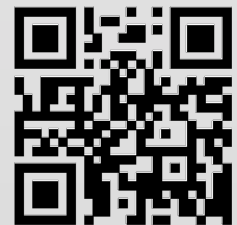
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