WHAT IS SOLAR DECATHLON?
Tens of thousands attend + millions global media hits
• Comfort Zone
• Appliances
• Energy Balance
• Commuting
Contests Measured & Juried
Home Life
• Architecture
• Market Appeal
• Communication
• Affordability
• Engineering
2015 Teams

1. California Polytechnic State University, San Luis Obispo
2. California State University, Sacramento
3. Clemson University
4. Crowder College & Drury University
5. Missouri University of Science & Technology
6. New York City College of Technology
7. State University of New York & Alfred University
8. Stevens Institute of Technology
9. The University of Texas & Tecnische Universitaet Muenchen
10. University at Buffalo (State University of New York)
11. University of California, Davis
12. University of California, Irvine,
13. Chapman University, Irvine Valley College, Saddleback College
14. West Virginia & University of Roma Tor Vergata
15. Western New England University, Universidad Tecnologica de Panamá, Universidad Tecnologica Centroamericana
Team Orange County

UCI
Engineering & Project Management

CHAPMAN
Communication, Marketing & Documentary

IVC
Construction Technology

SADDLEBACK
Architecture & Interior Design
PASSIVE SOLAR
Embraces the sun and prevailing winds

DISRUPTIVE INNOVATION
Pushes the limits of energy efficiency and design

SO CAL MARKET
Inspires indoor/outdoor multigenerational living

DROUGHT RESILIENCE
Landscape that beautifies as it sustains
Learn from... nature
Drought Resistant

Where the water sippers and guzzlers are

California uses 450 billion gallons of water per year, divided among different sectors. Drinking water, agriculture, and power generation consume the most water, with power generation being the largest user. The map shows the distribution of water usage across different regions of California.

Key points:
- San Francisco: 1.1 billion gallons per day
- Los Angeles: 6.3 billion gallons per day
- San Diego: 1.3 billion gallons per day
- San Jose: 1.0 billion gallons per day

The words:
- 94 gallons a day
- Water

The map also includes different types of drought-resistant plants, such as:
- Blue Kola
- Fennel
- Romane
- Colored Greens
- Bok Choy
- Chinese Cabbage
- Peppers
- Swiss Chard
- Broccoli Sprouts
- Spinach
- Chives
- Parsley
- Mint
- Rosemary

These plants are specifically adapted to thrive in arid conditions, providing a sustainable solution for water conservation in California.
Drought Resistant
Passive Solar
Passive Solar
Passive Solar
Disruptive Innovation
Disruptive Innovation
Southern California Market
Southern California Market
Studio Unit
Southern California Market
Hidden Solar Panels & Outdoor Showers
Green Building Features
Applicability to Future Homes
• 9th Place Overall
• 2nd Place Engineering
What We Learned

- Leadership Skills
- Learning outside of the traditional classroom
- Working with others outside of your major
- Time Management
- Communication (4 Schools)
- Networking
QUESTIONS?