

UC Berkeley / U of Denver Audiovisual Presentation, Solar Decathlon 2017

<https://youtu.be/4Hn02VIQkc>

Video Created By:

Justin Beach and Jon Stone, Denver University Marketing and Communications Team

Individuals in video (in order of appearance):

Lucas Malone
Jack Ross
Anthony Augelli
Ruth McGee
Dillon Joffe
Wes Christenson
Guanwei Fu
Brenton Kreiger
Sam Durkin
Joan Gibbons
Blake Linehan

Text-alternative version:

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Back in the spring of 2015, civil engineers at UC Berkeley embarked on a journey that would change their lives. Teaming up with the University of Denver for the construction process, they have been able to address constructability issues and work to create a successful, marketable home. The result is RISE.

Residential, Innovative, Stackable, and Efficient housing that provides a solution for urban infill lots and specifically focuses on families struggling with the ever-increasing housing prices in the San Francisco Bay Area. Addressing the lack of horizontal space, clean air, and financial accessibility of our market, the aim is to create affordable, sustainable homes.

Through the Richmond Community Foundation, an organization that uses social impact bonds to assist a purchase of a home built on one of Richmond's 5,000 abandoned properties, we were able to find a *real* family and a *real* location for after the competition. The modular design will make its transport and installation efficient and affordable. With a final resting place set at 390 South 34th Street, the preparation process has already begun.

Tour

Lucas: "My name's Lucas Malone with the University of Denver and University of California, Berkeley, and we're working on the RISE Solar Decathlon home. Let me give you a quick tour. Over here we've got the hallway, what's going on in the hallway Jack?"

Jack: "Hey Lucas, on the exterior we're using a breathable waterproof membrane, and on the inside we've a nice natural, non-toxic wool insulation".

Lucas: "Fresh. Over here we've got the MEP room, what's going on in the MEP room Tony".

Anthony: "Here we power the house and keep it cool with our HVAC system and our heat recovery system along with the battery to our solar panels".

Lucas: "Here we've got the kitchen. What's cooking in the kitchen Ruth?"

Ruth: "Hey! Here we have our beautiful low-flow fixtures and our high energy efficiency appliances".

Lucas: "Over here we've got the water systems with Dillon, tell us about some water".

Dillon: "Hey Lucas, so we've two core components of our water system. The greywater reuse system which is going to take some of our indoor water and reuse it in the toilets, as well as our water heater which is going to be entirely powered by our solar array".

Lucas: "Hey Wes, what's going on in the bathroom?"

Wes: "We've got some low-flow fixtures to save water, our tile is made out of 97% recycled material, and we are in the wet module right now, which helps us for shipping".

Lucas: "Hey Sam, scootch over".

Sam: "Hey Lucas, our four large window doors provide plenty of natural light to the room and we also have highly efficient LED lighting when there's not enough natural light".

Lucas: "Nice, and here we've got the bedroom, what's going on?"

Joan: "Hey Lucas, so we're actually on a murphy bed right now so these beds fold completely up into the wall and then we have moveable walls as our bedroom walls so we can collapse them in and expand our living space".

Lucas: "Nice! Let's take it to the deck, what's going on on the deck?"

Blake: "Hey Lucas, the deck is a major component of the RISE project. It's actually the same square footage as the house itself and in the modular configuration this would be the roof of the unit below. It will have an abundance of planters to allow you to be a farmer on your own front porch and host community gatherings like the one we're having today. Let's go join the party".

All: "RISE!"