Walk Through Narrative

[ :00 Music under logo, continues down and under spoken script, as computer animation of Re-home exterior plays]

Spoken script: The University of Illinois’ Re-home offers a new solution for disaster relief housing. This two-module home is designed to be quickly transported and easily assembled in the event of a natural disaster.

[ :19 Exterior, students moving furniture into rehome.]
Spoken script: The Re-home also serves as more than a shelter; it enables individual and community recovery through a socially and environmentally aware response.

[ :29 Factory manufacturing sequence.]
Spoken script: The two modules are prefabricated at a modular home manufacturer using standard 2x4 construction with spray foam insulation.

[ :38 Exterior adding insulation and wrapping Re-home.]
Spoken script: Additional insulation is then added to the exterior of the walls using rigid foam panels. This tactic provides a highly insulated, airtight structure that cuts down on the amount of energy needed to condition the home. Cedar siding is used as a rain screen to complete the exterior walls.

[ :57 Exterior building ramp and decks.]
Spoken script: There are two large deck spaces and a ramp constructed from reclaimed wood. The deck spaces extend the livable area of the home and encourage community and family interaction.

[1:07 Animated model of Re-home exterior.]
Spoken script: Covering the deck are easily assembled shading canopies that define the area and shade the windows along the western and southern façade.

[1:16 Graphics describing photovoltaic system, dissolve to roof top solar array. Panels are lowered for shipping]
Spoken script: A 7.2 kW photovoltaic system comprised of integrated photovoltaic and shading panels along the front façade and 24 adjustable modules on the roof, generates enough power to operate the Re-home. The panels can be shipped flat on the roof and adjusted to the correct angle on site.
Spoken script: The landscaping surrounding the deck space provides privacy and edible vegetation that can easily be grown locally in the Midwest.

Spoken script: The front door of the Re-home leads to a main living area of the house. Here, there is seating available for large groups, with two couches, eight slim folding chairs, and bar stools. The living room opens up to the kitchen containing highly efficient appliances, including an induction stovetop and a low flow faucet.

Spoken script: The mechanical space; hot water heater and HVAC system, is located in the main hallway. The HVAC system is comprised of an air-source heat pump with energy recovery that is specifically designed for highly insulated, air-tight homes.

Spoken script: The bathroom of the Re-home is ADA compliant and utilizes low flow, water conserving, fixtures. Water usage is monitored throughout the home and grey water is treated and used for irrigation.

Spoken script: The master bedroom features cork flooring, and offers plenty of storage space in the his/hers wardrobe, and under the bed. The master bedroom also has a private deck space.

Spoken script: A flexible space in the living room can be adapted to each family’s needs. For a couple living in the Re-home, the flexible space is utilized as an office that can sleep a guest if needed.

Spoken script: The Re-home uses all LED, fully automated lighting. All of the active systems in the Re-home are able to be monitored and controlled by an application run on a low-power server that can be accessed from an iPad.
Spoken script: The Re-home demonstrates a new approach to natural disaster housing by combining simple, adaptable solutions with smart active systems for a more comfortable and progressive response.

[3:27 FADE OUT]