



HOME **BLOG** FAQ ABOUT CONTACT

MY ACCOUNT VIEW CART

# The Blog



## Fabulous Moving Walls Animate Green House Plans

Posted on 31. Oct, 2011 by [Maryruth Belsey Priebe](#) in [Articles](#)

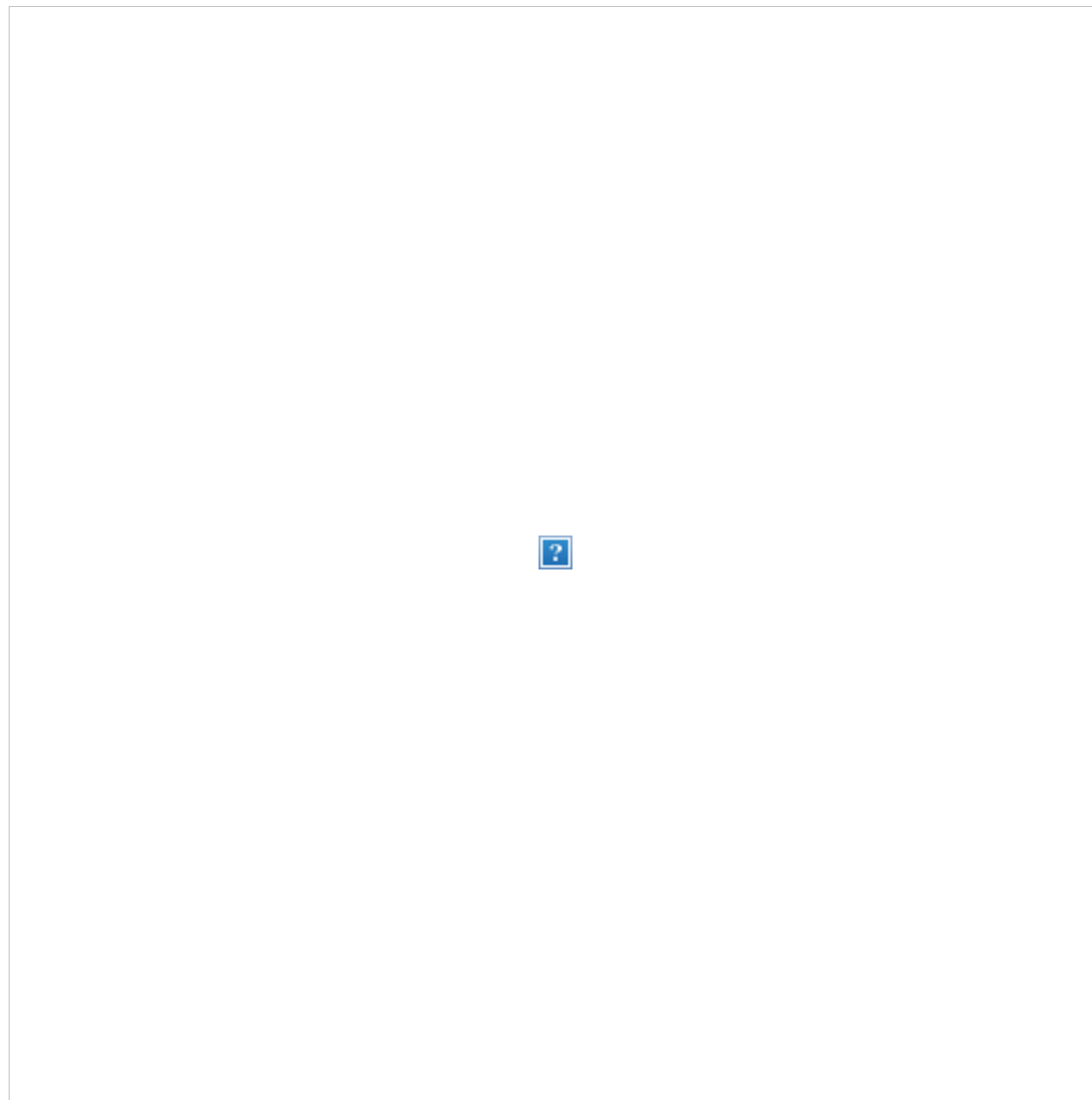
OUR MOST POPULAR ARTICLES

3

Like

0

Share



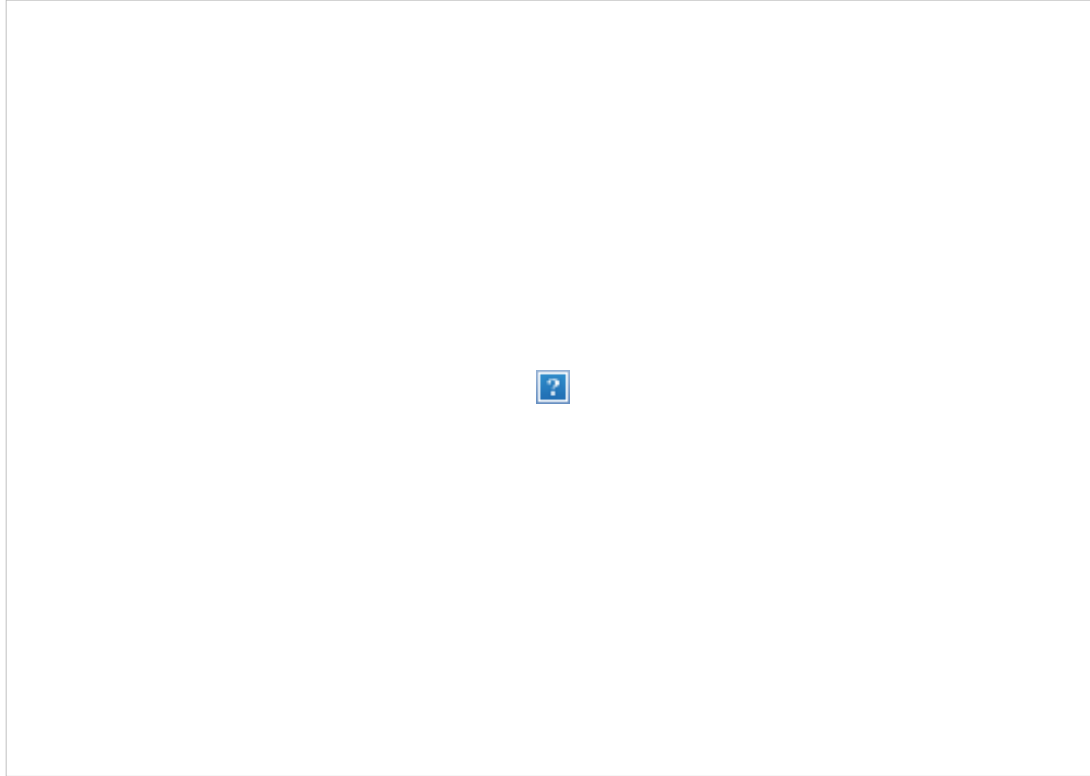
No related posts.

For a peak into an exciting experimental [green house plan](#), check out the London-based [D\\*Haus Company](#) who've put together this amazing cold-climate design that morphs with the weather.

As their website explains, their concept arises from an interpretation of Haberdasher's Puzzle:

"In 1908 an English mathematician called Henry Ernest Dudeney discovered how to turn a perfect square into an equilateral triangle. The dissection of the square into 4 distinct shapes allows it to be rearranged to form the triangle. D\*Haus exploits this

formula at a variety of scales to bring you architecture, furniture, lighting, and lifestyle products.”



You need to watch the video below to get a full understanding of how they apply this principle, but in effect, they use tracks and moving walls to transform a space in the most creative ways. How is this green? Well, consider these advantages to being able to move walls:

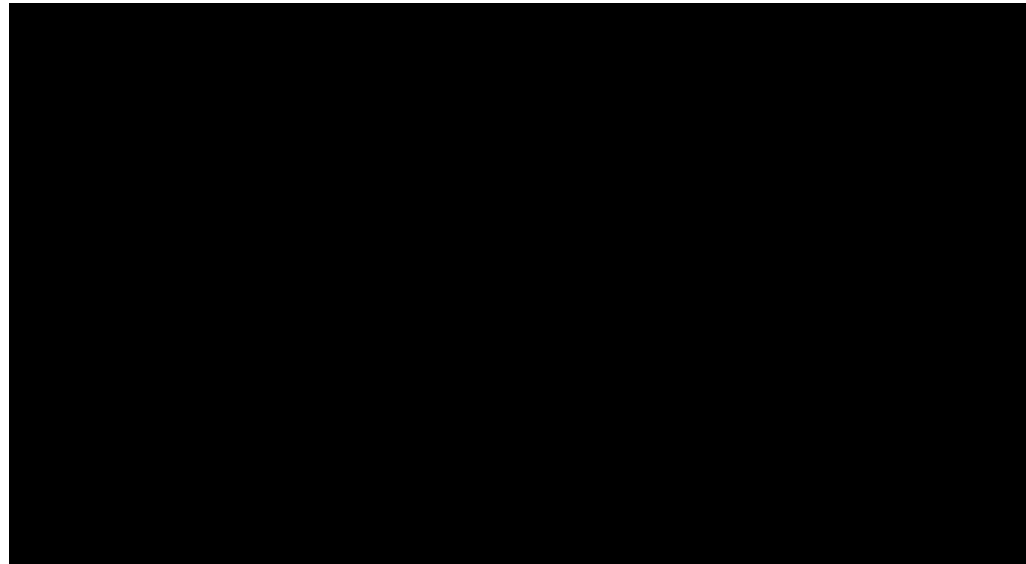
- The weight of the house needs to be substantially less than a conventional house. Lighter building products means lower transport emissions to get them to the building site.
- By changing the orientation of walls and windows with the movement of the sun, the home can be flooded with natural daylight throughout the day.
- Reorienting the home's exterior walls with the weather can provide maximum benefits of [passive solar heating](#) in cold weather and shield the home from solar heat gain in the summer, thereby reducing heating and cooling costs.
- The team proposes to build these homes in a modular fashion to increase

materials and energy efficiency.

- The intention is to use sustainable building materials such as locally and sustainably harvested lightweight timber.

Of course, D\*Haus has yet to work out some of the kinks of the system, such as how to make all of the relatively heavy parts move fluidly. A particular green problem will be finding a way to power the moving system using renewable energy.

Nevertheless, this is definitely a project to keep an eye on!



No related posts.

🏷️ Tags: [modular](#), [Passive Solar](#), [prefabricated](#)

We were unable to load Disqus. If you are a member,



## About YellowBlue Designs

We blog about green building practices to help you create energy efficient homes.

---

© 2015 YellowBlue Designs: [Privacy Policy](#) | [Terms of Service](#)