

PROJECT PROFILE



VIRGINIA TECH'S LUMENHAUS 2010 SOLAR DECATHLON EUROPE WINNER

QUICK FACTS:

- SIP walls and roof
- 2010 Solar Decathlon Europe winner
- Design Team: Virginia Tech
- SIP Manufacturer: Team Industries

The U.S. Department of Energy Solar Decathlon challenges 20 university teams from around the world to design, build, and operate solar-powered houses that are affordable, energy-efficient, and attractive. The 2010 overall winner was Virginia Tech's LUMENHAUS home. LUMENHAUS is a zero-energy home that is completely powered by the sun. Choices of materials and components are based on the basic requirements of environmental conservation and energy use, as well as the longevity of each product. R-Control SIPs (Structural Insulated Panels) were a perfect fit. R-Control SIPs provide an energy efficient envelope system, reduce air leakage, and help control and lower heating and cooling costs. They also provide superior strength and design flexibility.

R-Control SIPs are environmentally friendly. The structural skins of R-Control Structural Insulated Panels are made from renewable wood resources, and the Foam-Control EPS with Perform Guard core is termite resistant, contains no CFCs, HCFCs, HFCs, or formaldehyde, and is recyclable.

To learn more about the LUMENHAUS, visit <http://www.lumenhaus.com/eu/index.html>.



CONTROL, NOT COMPROMISE.®

R-Control SIPs are engineered and custom manufactured to give you control over every aspect of your project.

- Unlimited design possibilities
- Superior strength
- Energy efficiency and insulation
- Easy to use, fast, and efficient
- Lower labor costs
- Reduces waste
- Warranted system



R-Control SIPs
www.r-control.com

CONTROL YOUR MATERIALS. CONTROL YOUR R-VALUES. CONTROL YOUR PROCESS. CONTROL YOUR COSTS. CONTROL YOUR TIME



DON'T COMPROMISE YOUR QUALITY. DON'T COMPROMISE YOUR ENERGY EFFICIENCY. DON'T COMPROMISE YOUR STRUCTURAL INTEGRITY.

Installation of the R-Control SIPs



All photos are courtesy of Virginia Tech's Solar Decathlon Team.



R-Control SIPs are made exclusively with Foam-Control EPS. R-Control SIPs and Foam-Control EPS are manufactured by AFM Corporation licensees.

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