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Phase Change Energy Solutions Donates Material to Penn State

(STATE COLLEGE, Pa. - August 31, 2009) – Phase Change Energy Solutions donated their product to the Penn State 2009 Solar Decathlon Team, which was used within the walls and roof of the Natural Fusion solar-powered home to maintain a comfortable interior temperature.

Phase change materials have unique, high tech properties that allow the materials to change phase from solid to liquid to absorb heat when the temperature rises. When the indoor space starts to cool, the bubble-wrap like pockets that have phase change material release heat while solidifying. The unique property of the material helps to maintain a comfortable temperature within the home while reducing the heating and cooling demands.

This concept will help the Natural Fusion team compete in the Solar Decathlon competition in October 2009, especially during the comfort zone competition, which measures the temperature levels within the home. It will also help in the engineering contest because of its creative integration of materials for innovative thermal control.

The Natural Fusion team is grateful for Pete Horwath, Executive Vice President of Phase Change Energy Solutions, who has served as an industry mentor for the Penn State Solar Decathlon Team.

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