



## **Suniva Helps Power Award-Winning LumenHAUS Project; Fuels Innovative Designs around the World**

***The Company's High-Efficiency Solar Cells also used for The Plastiki Expedition; Ground Breaking Solar Car Entries in the Shell Eco-Marathon***

**Norcross, Ga. – July 22, 2010** – [Suniva, Inc.](#), a U.S. manufacturer of high-efficiency monocrystalline silicon solar cells and modules, announced that its ARTisun® series solar cells are being used to power innovative designs and award-winning projects around the world. The Company's solar cells recently played an integral part in Virginia Polytechnic Institute and State University's LumenHAUS project, the grand prize winner of the first ever European Solar Decathlon. Suniva solar cells have also been used in world- renowned projects such as The Plastiki Expedition, a catamaran made of recyclables that sailed across the Pacific Ocean in an effort to raise awareness on environmental issues, and the 2010 Shell Eco-marathon Europe, a fuel-efficient car competition.

"The ARTisun solar cells played a key role in the LumenHAUS project's winning entry. The energy balance between the teams was very competitive – Suniva's high-efficiency solar cells enabled us to create additional solar arrays that generated the needed power capacity to help the project stand out from the rest of the entries," said Joseph Wheeler, associate professor and LumenHAUS lead project coordinator, Virginia Polytechnic Institute and State University.

### **Powering Innovative Solar Designs around the World**

Suniva's high-efficiency solar cells have played an important role in some of the most unique designs for competition entries around the world, including:

- **[The LumenHAUS Project](#)** – Winner of the first ever European Solar Decathlon, the LumenHAUS project used Suniva's ARTisun solar cells to create a custom fabricated 1.4 kW solar array that played an integral part of the winning entry. The first string featured 16 solar panels using ARTisun solar cells that were mounted horizontally on the building's parapet wall. The cells were laminated onto an electrically isolating surface, making the panels 40 to 50 percent lighter and giving it the world's highest power to weight ratio. The second set of cells was incorporated into the project's overhang, a scupper projection over the front door of the house.
- **[The Plastiki Expedition](#)** – Suniva's ARTisun solar cells provided the sole power source for The Plastiki, a one-of-a-kind 60 foot catamaran made out of 12,500 reclaimed plastic bottles and other waste products, built to showcase how we can reuse, recycle and reduce. The Plastiki's six

person crew, led by David de Rothschild, departed the United States over 120 days ago and has sailed over 6000 miles. Earlier this week it reached its final destination of Sydney, Australia.

- [Helios Energy Solar Car](#) – Finishing third in the 2010 Shell Eco-marathon Europe, the Helios Energy solar powered car featured ARTisun solar cells from Suniva. The Shell Eco-marathon challenges high school and college student teams from around the world to design, build and test energy efficient vehicles.
- [AES Energies CoptoCap](#) – AES Energies developed a new electric car prototype using Suniva’s ARTisun solar cells for CoptoCap – a 12,000 kilometer exhibition from Copenhagen to Cape Town South Africa.
- [Pianotrip](#) – The subject of a new documentary film to raise awareness on Green Ecology, Pianotrip follows two travelers transporting a piano across Europe on a Suniva powered freight tricycle.

“Suniva is producing some of the world’s most efficient, high-power solar products as a cost-effective and clean alternative to non-renewable fossil fuels,” said John Baumstark, chairman and chief executive officer of Suniva. “We’re excited to see our products being used in so many ground breaking projects around the world.”

#### **About Suniva**

Based in Norcross, GA, Suniva® manufactures high-efficiency monocrystalline silicon solar cells and high power solar modules with low-cost techniques in order to make solar-generated electricity cost-competitive with fossil fuels globally and is on a mission “to make solar PV sensible.” Suniva leverages exclusive licenses to critical patents and patent-pending intellectual property developed by founder and CTO, Dr. Ajeet Rohatgi, at the Georgia Institute of Technology’s University Center of Excellence for Photovoltaic Research, which is funded by the Department of Energy. Led by an internationally regarded team of business executives and photovoltaic scientists, Suniva sells its advanced solar cells and modules Powered by Suniva™ worldwide, renewing U.S. leadership in the new energy economy. For additional information, please visit [www.suniva.com](http://www.suniva.com).

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