

World Premiere at light+building: First all-weather solar light in professional design

(6.4.2008) - A world premiere will be shown to the professional public on this year's light+building exhibition in Frankfurt: The first independent all-weather solar light for professional use in public space. The exceptional design coupled with the innovative photovoltaic module technology makes the community of photovoltaic lights named **hei solar light™** something unique and spectacular. **hei solar light™** is developed by the Viennese company HEI. The model champ is the first sample of the lamp family to be shown on the light+building.

A completely new photovoltaic module technology that is integrated in the lamp's body is the heart of the light. The high-efficiency photovoltaic element, applied for a patent, is also capable to collect enough energy on rainy and cloudy days to ensure a reliable operation of the light during the night. Therefore the light can be operated even in winter and during bad weather. CEO Dr Dieter Hornbachner: "**hei solar light™** is a light system distinguished by a sophisticated design and a reliable operation. The photovoltaic module technology, developed by our enterprise especially for this case, allows a totally new application field of outdoor photovoltaic lights on streets and places." The Italian designers Francesco Costacurta and Lukasz Bertoli are the creative directors of the light model champ. The light can be adapted individually (illuminance, photovoltaic module technology) according to local climatic conditions.

Solar lights are an active contribution to climate protection. In 25 years a model of the photovoltaic light champ avoids up to 2 tons of the greenhouse gas carbon dioxide. This corresponds to the necessary power supply of a modern, but conventional lamp. 50 lights of the model champ on a parking lot are already enough to reduce the CO² pollution by 100 tonnes. Solar lights need no energy network - a major advantage of this technology. The PV-lights operate entirely independent. No main connection is required. The energy necessary for the night operation is collected by photovoltaic technology during the day and saved by an accu. HEI Consulting GmbH, a technology enterprise, is specialized on the development of innovative products in the field of renewable energy.

