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FOR IMMEDIATE RELEASE

WORLD'S FIRST POWER GENERATING GLASS WINDOW

NOW IN PRODUCTION AND READY FOR THE US MARKET

RSI-SOLAR UNVEILS THE WINDOWS OF THE FUTURE

RSi Plans to License Glass Window Manufactures, a Production process for Photovoltaic-Glass Windows, to be produced domestically for the United States Residential and Commercial Builders Market.

(Hollywood, December 12, 2008) Rainbow Solar Inc. (RSi) announces the world's first, transparent, photovoltaic-glass window which generates 80 to 250 watts of electrical power, with savings of up to 50% on heating and cooling requirements.

This is the first production BIPV (building integrated photovoltaic) product of its kind, an enclosed super tempered glass window system, with a patent pending, fully integrated, multi-tier photovoltaic and heat insulation technology. Current production lines are capable of producing window sizes up to 9' x 9' with comprehensive options, such as fire and bullet proofing, to meet design, weather, climate, and building code requirements.

RSi also embedded many smart home technologies into the complete window system, including an optional built-in electrical privacy curtain, to completely block out an already shaded glass window, and a new technology that converts the entire window into a light panel.

The RSi Photovoltaic (PV) Glass Window generates power and reduces heat, and will likely become the standard for future homes.

RSi is working with top architects and developers to incorporate this revolutionary PV-Glass Window into signature projects, currently in Hollywood and Las Vegas. RSi is also looking to localize production by licensing glass window manufactures in the US and Canada.

Windows of the Future:

The RSi PV-Glass Window uses the sunlight, and heat from the sun, to generate electricity, reducing heat, and providing a semi-transparent window that provides privacy, while maintaining a comfortable level of visibility to the outside world. At the same time, RSi PV-Glass Windows provide a 100% reduction in Ultraviolet and Infrared radiation, adding that extra level of protection not offered by standard glass windows.

The RSi PV-Glass Window has proven energy savings greater than 50% in a hot-house test with a skylight, according to a study conducted by the NTUST (National Taiwan University of Science and Technology), under the directorship of Professor C.H. Young (Ph.D. - Department of Construction Engineering and Building Material Technology). This ground breaking case study recently received attention and coverage by the Discovery Channel.

Professor Young stated this during an interview in Las Vegas on December 1, "This is the window from the future, a dream product for building engineers. This window has the most advanced glass window technologies meeting the toughest building codes, with amazing new technologies to produce electricity up to 250 watts. This product has reached mature commercial production stage, proven in our yearlong study. This product is a major step to the true building integrated photovoltaic, as a solar energy embedded building material".

RSi offers a turnkey product that is ready to install and replace any conventional window. The RSi PV-Glass Window features super tempered glass, built to meet the most rigid building codes, with flexibility in size, thickness, and weight variance. Diverse options include acclimatization and special treatments, such as bullet proofing, shock proofing, fire proofing and more. The RSi PV-Glass Window has all the benefits of conventional window installations, with the added benefits of power generation and dramatic heat reduction.

RSi believes that PV-Glass Windows will become the standard material for sun facing areas on buildings of the future.

The RSi Power Independence Evolution:

Unlike the advancements in today's technology infrastructure, computers, and the internet, much of the local grid infrastructure has remained the same since it was first built. This aging grid infrastructure is no longer sufficient to meet the growing energy demands.

Following the path of the global communication revolution, the aging grid problems and rising energy prices initiated the energy revolution, moving from centralized-grid infrastructure to self-sustaining renewable energy, a Power-Independence evolution.

Of all renewable energy solutions such as wind and thermal, solar (photovoltaic) is the only solution that can be applied on an individual's property that is truly self sustaining, and requires almost no maintenance. More importantly, solar is also the only solution that is affordable for most homes and individual buildings.

RSi is dedicated to the development of solar energy embedded building materials - rooftops, walls and windows, with maximum power generation and seamless integration to enable future buildings to be totally self sustaining, powered by sunlight.

The power generating RSi PV-Glass Window is an important step to such seamless BIPV (building integrated photovoltaic). Aside from its embedded technologies, it has the same characteristics as conventional double pane windows, not requiring architects, developers, and builders to make big design and building changes to develop PV embedded buildings.

Industry Quotes:

On December 6, LA-based Eco-tects Management Team consisted of architects and members of LEED AP, the American Institute of Architects (AIA), National Council of Architectural Registration Boards (NCARB), Eco-Tip Magazine and Eco-Tect Council, received the first preview of the RSi photovoltaic technologies, including the PV-Glass Window. This sneak preview generated following statements:

- The RSi PV glass-window concept introduces a radical new shift. It's comparable to the transition from gas lamps to light bulbs -- from horseback to automobile!
- Buildings that harvest their own energy from unlimited renewable sources are the eco-designer's dream come true.
- What the RSi Energy ultimately proposes to do, is to eliminate the need for electrical power plants, as well as the infrastructure required to connect buildings back to them. The building itself becomes truly autonomous and fully sustainable in relation to accessing electrical power.
- This technology opens up a whole new field of possibilities. Learning to feed directly from the Sun moves us into an entirely new age -- as profound as the advent of fire, or the harnessing of the wheel.
- The possibilities of this technology are staggering. It represents a giant step in the direction of "living buildings" -- a cherished goal of the green building movement.

www.eco-tects.com

Timothy Boe, NCARB, AIA
Professor Michael Montoya, PE, LEED AP
Eve Yi Liu, LEED AP
Carrie LaMastus, LEED AP

RSi ENERGY GROUP divisions:

RSi-ENERGY (Energy): a SPS (solar-power-station) developer, with 2009 capacity of 200MW in EU under development;

RSi-SOLAR (Technology): RSi grid-class photovoltaic products designed and developed specifically for maximum power-generation, intended for RSi SPS (solar-power-station) applications, RSi-SOLAR PV includes:

- (RSi-Exclusive) RSi PV-Glass Window (up to 9' x 9' size, 80 to 250W)
- (RSi-Exclusive) Spherical Array Concentrated PV Cell, a flexible, super light-weight and strong modular PV designed for high power mobile applications (125 – 225W water-proofed collapsible mobile modules);
- 250W black mono-crystalline and multi-crystalline modules;
- Amorphous Thin Film panel rated at 380W (up to 8.6' x 7.2' size panels)
- RSi MW PBS/UPS power storage module system (megawatt, or, million watts Power Backup System / uninterrupted power supply). Based on a new battery technology with 22,000 lifecycles, or, a 55+ year lifespan! (Calculations projected from studies conducted by the US Energy Sandia Lab). Today's power generation is real-time, not stored, if it is not used, it is wasted. RSi presents a MW scale power storage solution, priced low enough to be economical. The RSi-PBS/UPS system is designed specifically for solar power stations, but, its applications extend to other areas.

DSO-BIPV (Designer BIPV): a photovoltaic building integration design organization, to provide turnkey designer-solar-energy integration solutions and the most advanced photovoltaic products to architects, developers and property owners.

About RSi: Rainbow Solar Inc., a privately-held company with R&D facilities and teams in Vancouver, Nevada, Europe and Asia regions. The RSi brand took roots on the technology philosophy of a photovoltaic technology approach to harvest the power of full light-spectrum to energy, upon which RSi-SOLAR technologies and products are developed. RSi is launching its revolutionary PV products with aim to manufacture in the US for the US market. RSi believes California is the most ideal market for its high efficiency line of photovoltaic products and services.

Open Invitation to media:

RSi cordially invites member of the press to see the Windows of the Future and other innovative RSi photovoltaic products up close in person.

When:

December, 12, 2008 (FRIDAY)
1 to 3PM (reserved for media)

Where:

Century Plaza Hyatt Hotel (Poolside Outdoor Reception)
2025 Avenue of Stars, Century-City, Los Angeles

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