

CES 2014: Wysips® Connect equips the world's first solar LiFi smartphone

**Wysips® Connect, a Sunpartner Technologies innovation, will be unveiled at the CES tradeshow in Las Vegas, NV (United States), January 7-10, 2014
Oledcomm Stand: Venetian Ballroom - Hall D - Stand 70137**

Las Vegas, January 7, 2014. Sunpartner Technologies, the French company that invented the transparent photovoltaic component Wysips® that transforms any surface into a solar panel that can produce its own electricity, is widening the field of its applications. After **Wysips® Crystal** for screen applications and mobile products soon to be on the market, **Wysips® Glass** for smart windows, **Wysips® Cameleon** for the opaque surfaces of urban furniture, Sunpartner Technologies is introducing **Wysips® Connect**.

Compatible with the LiFi (Light Fidelity) protocol, Wysips® Connect technology not only enables screens and mobile products to produce energy but also to receive and emit data transmitted by light waves (VLC-Visible Light Communication) without electric power from the device battery.

With global revenue estimated to reach 6 billion dollars* in 2018 (an 82%* increase over 2013), LiFi is revolutionizing data access and transmission via the Internet. The technology guarantees fast, secure transmission beyond the reach of other wireless systems such as WiFi, Bluetooth or WiMax.

With Wysips® Connect, Sunpartner Technologies is positioned as a key player in this mutation. Its technology opens the way to new applications for connected devices (such as mobile phones, e-readers, electronic sensors, and electronic shelf labels).



Sunpartner Technologies unveils the world's first solar LiFi smartphone

At the CES tradeshow in Las Vegas, Sunpartner Technologies will introduce, along with its partner Oledcomm, a pioneer in the LiFi market, the first mobile device equipped with Wysips® Connect: this smartphone can receive and transmit data by light (music, video, photos, etc.) while generating its own electricity.

Wysips® Connect is an ultra-thin, transparent photovoltaic component inserted between the screen and tactile base of the phone. The photovoltaic cell acts as a light receiver. Wysips® Connect transforms light into electricity AND decodes it to transmit the signal and the information it contains without using the device's battery. In this sense, the solution is energy self-sufficient.

Compatible with any type of electronic device equipped with a screen up to 13.3", Wysips® Connect can produce between 2.5 mW/cm² and 5 mW/cm² in sunlight (under 1 SUN), depending on the type of device and the required rate of transparency.

The advantages of Wysips® Connect

- **Independent:** a solution that produces its own energy using visible light.
- **Practical:** compatible with all types of screens (up to 13.3"), available immediately for optimal operation both outdoors and indoors.
- **Sustainable** and energy efficient (LED).
- **Secure** data transmission.

New services on the horizon

Thanks to LiFi communication standards, LED lighting can provide visible light as well as transmit data, thereby creating new innovative and targeted services. Lighting systems can now become actual wireless communication networks, enabling a tablet or a smartphone **to have access to geopositioning information services, geomarketing or navigation tools inside buildings (such as train stations and airports, hospitals, supermarkets, shopping centers, and museums).**

The stakes and opportunities for the consumer electronics market are enormous. With this technology, the 14 billion light bulbs in the world can become antennas to meet the growing demand for objects and devices featuring mobile connectivity. There is no danger of exposing users to electromagnetic waves because the technology uses the light spectrum.

Wysips® Connect: examples of applications

Artificial light allows users of devices equipped with Wysips® Connect to:

- find their way in department stores or shopping centers with a map displayed on their smartphones
- consult product information and find out about ongoing sales with information displayed on their shopping cart screens
- take advantage of interactive guides in museums and galleries and information about works of art displayed on their smartphones or on tablets provided to visitors.

About Sunpartner Technologies

Founded in 2008, Sunpartner Technologies is an engineering company specializing in Solar NETs (New Energy Technologies). They develop innovative solutions in the field of light energy and smart surfaces. Based in Aix-en-Provence (France), the company has a team of 40 employees.

Sunpartner Technologies has recently won awards both in innovation and from the business community: after receiving the Nobel Sustainability® Clean Tech Company award, Sunpartner Technologies was named one of the World Economic Forum's "Technology Pioneers" in September 2013.

<http://www.sunpartnergroup.com>

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