



PRESS RELEASE

## Truly Semiconductors and Sunpartner Technologies Develop First All-in-one LCD Display Modules with Wysips® Crystal Transparent Solar Layer Inside Smartwatches

Aix-en-Provence (France). On May 5, 2015, Truly Semiconductors Limited (Truly), listed on the Hong Kong stock exchange and the biggest small and medium size display module manufacturer in China, and Sunpartner Technologies, inventor of the invisible Wysips® photovoltaic film and specialist in solar NETs (New Energy Technologies), signed a partnership to develop the first turnkey display modules integrating Wysips® Crystal technology, for the smartwatch market and other mobile electronics.

The year 2014 has been the year for wearable electronics and research institutes<sup>1</sup> estimate that the global wearable device market will grow to 100+ million units annually by 2020, with the smartwatch market alone expected to reach US\$ 30Bn at a CAGR of over 50% from 2014 to 2020. In an exponentially growing and highly competitive market, energy reliability is a key challenge for watch manufacturers—even more so for smartwatches because they consume a lot of energy. Models that offer long-lasting and reliable power, with an attractive design, will stand out from the crowd.

Wysips® Crystal solar recharging technologies transform any surface into a source of electricity using natural or artificial light without impacting aesthetics—like a perpetual power reserve.

Installed under the touchscreen panel during the manufacturing process, the invisible photovoltaic component Wysips® Crystal helps prolong the battery life of the watch—all while being design neutral. This means users can now access essential features and applications like fitness tracking or companion alerts even when the battery is fully discharged.

In the next six months, Sunpartner Technologies and Truly are co-developing and assembling LCD display modules with an embedded Wysips® Crystal layer that will be presented and proposed to various watch manufacturers.

Following this first market introduction, Truly and Sunpartner Technologies will officially start full technology licensing discussions for mass volume manufacturing of displays integrating Wysips® Crystal technology. The final goal of this partnership is to transfer to Truly the rights to sell display-integrating Wysips® Crystal technology into its products for the booming smartwatch market.

About this partnership, Mengxiang Li, Vice Director of R&D Department, Truly Semiconductors Limited, said: *"The Wysips Crystal module is a breakthrough technology in solar energy. It is really inspirational. Truly is the largest-scale professional manufacturer of smart displays in mainland China. With the development of wearable tech like smartwatches today, wearable displays are*

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<sup>1</sup> Ex : <http://www.smartwatchgroup.com/smartwatch-industry-report/> ;  
[http://www.researchandmarkets.com/research/8slk4x/global\\_smartwatch](http://www.researchandmarkets.com/research/8slk4x/global_smartwatch)

*getting more and more popular. So, we really want to find an opportunity to integrate the Wysips Crystal module with our display to make it more competitive and valuable in the market.”*

About this partnership, Ludovic Deblois, CEO of Sunpartner Technologies, said: *“The smartwatch market is a fast-growing market where battery life and recharging are crucial for these products that combine time-keeping and smart application features. Truly and Sunpartner Technologies have decided to join their forces to propose an innovative solution to extend products’ autonomy with built-in energy harvesting inside display modules. We are very happy to start this partnership with Truly, as it is a top Chinese high-tech company for display module manufacturing with a wide range of skills from R&D to production. There are many other possibilities for collaboration, as Truly addresses several markets of interest for Sunpartner such as transportation and mobile phones.”*

#### **About Truly Semiconductors Limited**

Truly Semiconductors Limited’s products are widely used by Smartphone, Automobile, medical and industrial customers. Truly combines both the reputation of innovative company with strong R&D capacity, and a leading manufacturing process with its own world-class LCD and OLED production lines and automotive assembly production lines. Truly Semiconductors Limited is one of the subsidiaries of Truly International Holdings Limited, whose headquarters are located in Hong Kong while the factory is located in Shanwei. Truly Group was listed on the Hong Kong Stock Exchange (stock code:00732.HK) in 1991. The company originated with the Truly Electronics Factory in 1978 and has a history of more than 36 years.

For more information, please visit: [www.trulysemi.com](http://www.trulysemi.com)

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#### **About Sunpartner Technologies**

Founded in 2008, Sunpartner Technologies is an engineering company specializing in Solar NETs (New Energy Technologies). They develop invisible or transparent solar energy solutions that are completely design neutral and seamlessly integrate into target products. In particular, the company invented Wysips® (What You See Is Photovoltaic Surface), which has 4 mature technologies: Wysips® Crystal for screens, Wysips® Glass integrated into glazing, Wysips® Cameleon for signs and billboards, Wysips® Graphics for connected objects.

Sunpartner Technologies has regularly received awards both for its innovation and from the business community, such as the Nobel Sustainability® Clean Tech Company award in 2013 and Technology Pioneer 2014 from the World Economic Forum. The company was also named one of the Top 100 Global Cleantech companies in 2014. Based in Aix-en-Provence (France), the company has a team of 53 employees.

For more information, please visit: [www.sunpartnertechnologies.com](http://www.sunpartnertechnologies.com)

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