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For Immediate Release

## **Banpil Photonics, Inc. Obtains Energy Harvesting Devices Patent**

**SANTA CLARA, California – July 15, 2015** - Banpil Photonics, Inc., a leading company expanding the boundaries of optics and electronics through innovations, today announced that it has obtained an energy harvesting devices patent from the US Patent Office.

The energy harvesting devices take the scavenging of energy one step further to include all sources of ambient energy including blackbody radiation, which make it possible to harvest energy in both day and night time in a single device. This innovation opens up exciting new applications including sensors that never require batteries being self-powered. The Banpil energy harvesting devices will for the first time makes it possible to include energy generation in the same integrated device used for imaging. This unique capability opens the door for sophisticated applications that can perform 24/7 on independent power sources that optimized the critical balance between size weight, power and cost (SWaP-C) in both commercial and defense applications. These devices will also see applications in the coming Internet of Things (IoT) revolution whereby small independent sensor devices while be able to self-power to function almost anywhere.

"We are extremely proud to obtain this new patent for energy harvesting devices. We have already shown the significant performance enhancements that our PV devices are capable of providing," said Dr. Achyut Dutta, Banpil's CEO. "The patent addition to our portfolio allows us to more readily work with other technology companies in joint R&D to develop next generation applications or to license our interconnect portfolio for their own application product development."

Banpil has already demonstrated the implementation and superior performance of its patented photovoltaic devices that utilize nanotechnology to fabricate third generation significantly high-efficiency solar cells making them extremely low-cost and approaching grid parity. The company has more than 15 patents issued in PV technologies alone. The company welcomes opportunities to work with system vendors to explore new or enhanced applications. Banpil is also actively seeking licensees, strategic partnerships with R&D groups, manufacturer, and investors.

### **About Banpil Photonics, Inc.**

Banpil Photonics is expanding the boundaries of optics and electronics through innovations. Banpil develops and manufactures next generation multispectral image sensors for automotive & medical imaging systems, security & surveillance, and machine vision applications; high-efficiency energy harvesting devices for energy applications; and low-power, high-speed electrical interconnects for chip-to-chip, chip-to-board, board-to-board, and rack-to-rack applications in high performance computing and networking. The company has an extensive IP portfolio of these innovations available for licensing. For more information, visit [www.banpil.com](http://www.banpil.com).

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