

ActLight Announces Heartrate Sensing Project with ON Semiconductor

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ActLight, a Swiss photonics technology firm known for its breakthrough Dynamic PhotoDiodes (DPD), has announced a project of next-generation sensors for low-energy heartrate sensing for wearable devices in cooperation with ON Semiconductor, driving innovation in energy efficient electronics.

"The healthcare industry is becoming more reliant on new methods to monitor and treat patients. This - along with an increased interest in fitness and wellness - has necessitated more affordable, precise, wearable sensing options," commented Jakob Nielsen, Senior Manager, Consumer Health Product Line at ON Semiconductor. "Today's smartwatches and wearables fall short of meeting customer expectations in regards to heartrate measurement precision and application battery life. Working with ActLight, we will help to bring next-generation heartrate sensors to the market that will address these requirements, and deliver a full sensing solution for integration in a multitude of MedTech and consumer electronics applications."

"Our technology offers unique competitive advantages to our partners when compared to existing Photodiodes used in wearable heartrate solutions," stated Serguei Okhonin, PhD, CEO of ActLight. "These include lower power consumption, simplified electronics, and smaller footprints, making it perfectly suitable for miniaturized wearable devices. We are happy to have support from ON Semiconductor and to share the potential of our heartrate sensing technology," Mr. Okhonin continued.



About ActLight

ActLight (www.act-light.com) focuses on the field of CMOS photonics by developing a new type of photodetector, known as Dynamic Photo Diodes (DPD). A fabless company, ActLight licenses its DPD Intellectual Property (IP) and provides design and technical support services to its customers. ActLight is listed among EE Times Silicon 60 and is the winner of Red Herring Europe Top 100 Award.

For more information about ActLight, please contact:

Serguei Okhonin
Email: okhonin@act-light.com
Phone: +41-79-6730262



ON Semiconductor

About ON Semiconductor

ON Semiconductor (Nasdaq: ON) is driving energy efficient innovations, empowering customers to reduce global energy use. The company is a leading supplier of semiconductor-based solutions, offering a comprehensive portfolio of energy efficient power management, analog, sensors, logic, timing, connectivity, discrete, SoC and custom devices. The company's products help engineers solve their unique design challenges in automotive, communications, computing, consumer, industrial, medical, aerospace and defense applications. ON Semiconductor operates a responsive, reliable, world-class supply chain and quality program, a robust compliance and ethics program, and a network of manufacturing facilities, sales offices and design centers in key markets throughout North America, Europe and the Asia Pacific regions. For more information, visit <http://www.onsemi.com>.

For more information about ON Semiconductor, please contact:

Beth Johnston
Email: beth.johnston@onsemi.com
Phone: +1-208-234-6738