



e-peas Applies its Ultra-Low Power Technology to Thermally-Based Energy Harvesting

e-peas has announced the introduction of a new power management IC specifically optimized for energy harvesting from thermal sources in wireless sensors application.



Through the AEM20940's deployment, it will be possible to extend the system battery life or, in many cases, eliminate the primary power source from the system completely. By this any dependence on having to regularly replace batteries (which often has serious logistical challenges associated with it, as well as adding to the overall expense) can be removed. A key characteristic of the device is its ultra-low power start-up characteristics. It can achieve a cold start (with no stored energy available) from just a 100mV input voltage and 80 μ W input power with an external module.

“Having a thermal energy harvesting solution to add to our portfolio is a significant step forward for the company, as we look to establish ourselves as the leading IC manufacturer in the rapidly maturing energy harvesting sector, offering the most complete and innovative PMIC products,” explains Geoffroy Gosset, co-founder and CEO of **e-peas**. “It means that our clients will be able to design IoT systems that can efficiently extract energy from their surrounding environment whatever the available sources.”

About e-peas

e-peas develops and markets disruptive ultra-low power semiconductor technology. This enables industrial and IoT wireless product designers to substantially extend battery lifespans and eliminate the heavy call-out costs of replacing batteries, without in any way compromising on reliability. Relying on 15 years of research and patented intellectual property, the company's products increase the amount of harvested energy and drastically reduce the energy consumption of all power consuming blocks within wireless sensor nodes. Headquartered in Mont-Saint-Guibert, Belgium, **e-peas** offers a portfolio of energy harvesting power management interface ICs, microcontrollers and sensor solutions.

e-peas will attend *IDTechEx Show!* | April 10-11, 2019 | Estrel Convention Center, Berlin, Germany
www.IDTechEx.com/Europe

Come and visit us at our booth #N10 to discover our autonomous devices working on solar energy harvesting:

- * One is communicating temperature, humidity and light intensity through BLE communication protocol.
- * The other one communicates the sensors data with LoRa protocol using 'The Things Network' gateway and data storage service.

More products are available in order to harvest from thermal, vibration or RF source
e-peas team will be available to discuss solutions to increase the battery life of your devices.

For more information, please visit us at our booth N10

www.e-peas.com

Contact **e-peas** : sales@e-peas.com