

Media contacts:

Keith Abate, Perpetuum Ltd
Email: keith.abate@perpetuum.com
Tel: 512-280-9776



Perpetuum PMG FSH Free-Standing Harvester Available

CHICAGO – May 17, 2010 – The Perpetuum Free-Standing Harvester (PMG FSH), a best-in-class integrated power solution, combines electromagnetic vibration energy harvesting technology with a selectable suit of energy charge, storage, and management options and is optimized for industrial machine asset condition-based monitoring.

The harvesters convert unused mechanical vibration into useable electrical energy to power wireless sensor systems used to monitor Balance of Plant machinery assets. The PMG FSH is designed with highly efficient drive circuitry for charging an external storage device up to 4ma at 5V while reporting power levels via a standard 3-pin IEC connector. The PMG FSH output can be monitored via the 3-pin IEC interface to provide power output status to a Wireless Sensor Node. The PMG FSH features a high power output up to 20mW.



[Download high resolution image](#)

The PMG FSH offers the most flexible design integration into OEM and system integrator products to minimize design efforts and shorten “time to market” cycles. It can also provide the most efficient way to integrate energy harvesting into existing products.

Compact in size, hermetically sealed and industry-ready, the stainless steel PMG FSH is designed with two mounting options: a robust magnetic mount and a center thru-hole. Additional functional capabilities also can be designed into the PMG FSH. Operation has been verified over the full industrial temperature range.

Intrinsically safe, certified versions of the PMG FSH are available carrying ATEX and IECEx certifications. CSA certification is pending.

Visit Perpetuum at Sensors Expo: Booth #1026 in the Energy Harvesting Pavilion at Sensors Expo in Rosemont, Illinois June 7 – 9.

#

About Perpetuum:

UK-based Perpetuum Ltd is a world leader in vibration energy harvesting, producing the first commercially available vibration energy harvester for industry, the PMG17. Using normal vibration created by machinery as a source of energy, the PMG17 is an enabling technology for fast-growing wireless sensor node applications. Perpetuum’s innovative power source enables continuous online monitoring for proactive asset management, helping organizations strive toward operational excellence. For more information, visit www.perpetuum.com or email info@perpetuum.com.