



PRESS RELEASE
For immediate release

OPSENS RECEIVES FIRST ORDER FROM JAPANESE MANUFACTURER FOR CARDIOVASCULAR PRESSURE MEASUREMENT

Quebec City, Quebec, October 29, 2007 – Opsens Inc. (TSX VENTURE EXCHANGE: OPS) (“Opsens”) announced that it has received an order from a major Japanese manufacturer of medical devices in the order of over three hundred thousand dollars (\$300,000) for the supply of LifeSens signal conditioners and pressure sensors which utilize white-light polarization interferometry technology (WLPI)¹.

This order is a crowning achievement of a strong partnership with the Japanese manufacturer, who has taken on assembly of the system, which goes to show how modular and customizable our approach and products are. These signal conditioners and pressure sensors will be used for purposes related to cardiovascular treatments.

Claude Belleville, Vice President of the medical sector and scientific laboratory markets at Opsens, stated, “This order illustrates Opsens’ ability to deliver solutions that are highly suitable to the demanding and restrictive conditions often encountered in the medical sector. The signal conditioner and the small (0.4 mm) pressure sensor are ideal solutions for cardiovascular intervention procedures in terms precision, size and cost. With the success of this partnership, we are confident in the commercialization of our products on the world market of medical devices.”

Opsens’ miniature pressure sensor permits the reduction of catheter size which represents a significant advantage against conventional system. The ability in size reduction allows lesser invasive catheterization practices, enables new practices which were not possible in the past; provides extended capabilities for new applications yet, delivering high fidelity pressure measurement. The advantages inherent to optical sensors as the immunity to magnetic resonance imaging (MRI) and radio frequency interference (RFI) as well as electrosurgery make it the only sensor safe for magnetic resonance and electro-surgery environments which, are increasingly employed in the medical practices. The single-use optical pressure sensor will also create recurring revenue in the medical industry.

¹ *Patent no. 7259862 Low-coherence interferometry optical sensor using a single wedge polarization readout interferometer*

About Opsens

Opsens is a leading developer, manufacturer and supplier of a wide range of fiber optic sensors and associated signal conditioners based on proprietary patent and patent-pending technologies. Opsens sensors provide long-term accuracy and reliability in the harshest environments. Opsens provides sensors to measure pressure, temperature, strain and displacement to original equipment manufacturers (OEM) and end-users in the oil and gas, medical, energy, scientific and military laboratory fields. Opsens offers technical services, such as on site installation, training and turnkey fiber optic systems.

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Forward-looking statements contained in this press release involve known and unknown risks, uncertainties and other factors that may cause actual results, performance and achievements of Opsens to be materially different from any future results, performance or achievements expressed or implied by the said forward-looking statements.

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