



## **Opsens Launches New Signal Conditioner For Power Transformer Sector**

### *PowerSens II Offers Industry-Leading Reliability And Total System Accuracy*

**Quebec City (February 2, 2009) -- Opsens Inc. (TSX-V:OPS)** today increased its competitiveness in the worldwide market for power transformer temperature sensors by launching the new PowerSens II signal conditioner.

“PowerSens II takes our fiber optic temperature monitoring systems in the transformer market to the next level,” said Pierre Carrier, president and CEO. “This is an important market segment for Opsens and we are committed to expanding our leadership position within it.”

PowerSens II is a second generation signal conditioner, which receives temperature signals from the sensing units located in transformer windings. The conditioner transforms the signals into temperature readouts or transmits data to a utility control center.

Temperature sensors are relied upon by transformer manufacturers to qualify their products prior to delivery and by utilities to manage the performance of installed equipment. Sensors also contribute to ongoing maintenance and performance measurement by providing information that enables transformer load optimization, accurate evaluation of insulation aging, cooling equipment management and validation of theoretical formulas.

While developing PowerSens II, Opsens improved instrument reliability and increased system accuracy to  $\pm 0.8^{\circ}$  Celsius. Combining PowerSens II with either the OTG-T or OTG-T+ fiber optic sensors creates a temperature sensor solution for transformer hot-spot monitoring with an unmatched level of total accuracy.

“Sales of our transformer winding monitoring systems are constantly growing, and we are shipping instruments on all five continents,” said Yves Plamondon, Vice President, Sales and Marketing. “We expect PowerSens II to accelerate the growth of our transformer division around the world.”

Fiber optics temperature sensors are the preferred technology for transformer monitoring because they are transparent and immune to electromagnetic interference.

“PowerSens II is the most reliable and accurate fiber optic signal conditioner currently available in the power transformer industry,” said Claude Belleville, Vice President, Research and Development. “We incorporated internal reference technology that allows the PowerSens II conditioner to constantly monitor performance and adjust internal calibration when required. This feature enables PowerSens II to compensate for external

temperature variations, component aging, mechanical shocks and transformer vibrations. The result is significantly enhanced accuracy and reliability.”

In addition, Opsens has implemented a fully traceable new calibration method that assures long term traceability of both the PowerSens II and the OTG-T family of fiber optic sensors. Combined with the internal reference of the PowerSens II, this new calibration method provides unparalleled reliability to Opsens transformer temperature monitoring devices.

In view of these major improvements, Opsens now provides a six-year warranty on all PowerSens II and PicoP signal conditioners supplied to the power transformer industry.

### **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 patented 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, high-power transformers, and laboratory fields. Opsens provides complete technical support, including installation, training and after-sales service.

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