



PRESS RELEASE

For immediate release

OPSENS CONCLUDES THE ACQUISITION OF INFLO SOLUTIONS IN ALBERTA TO INTEGRATE ITS OPERATIONS IN OIL & GAS

Quebec City, Quebec, December 12, 2007 – Opsens Inc. (TSX VENTURE EXCHANGE: OPS) (“Opsens”) announced the closing of the acquisition of all outstanding shares of Inflo Solutions Inc. (“Inflo”), a company dedicated to the design and installation of reservoir surveillance solutions based on optical and conventional sensors to the oil and gas market.

The purchase price is 1,200,000 Opsens common shares and \$120,000 cash. At the closing, 510,000 shares out of the first 600,000 shares were paid into escrow and will be released over a 48-month period. The balance of the shares and the cash, represented by a series of promissory notes, have also been paid in escrow, to be released or cancelled, as applicable, over a 48 month period ending December 11, 2011, following the achievement or non achievement of certain performance milestones. Opsens has also committed to invest up to \$350,000 into the working capital of Inflo during the 48-month period following the acquisition. The shares issued at closing are subject to a statutory 4-month hold period ending on April 12, 2008.

Inflo’s design/installation expertise will allow Opsens to offer fully integrated well/reservoir monitoring services directly to its customers, including its existing OPP-W optical sensor which will be used for continuous monitoring of downhole pressure and temperature in very harsh environments such as high temperatures of up to 300°C., and applied in the *Steam Assisted Gravity Drainage* (SAGD) production process. This acquisition provides Opsens with the opportunity to extend the scope of technical monitoring solutions to its customers with products that are complimentary to its OPP-W optical sensor.

The name ‘Inflo Solutions Inc.’, will be changed to ‘Opsens Solutions Inc.’ (“Opsens Solutions”) to reflect the fact that henceforth it will be a wholly owned subsidiary of Opsens. Operations will be performed out of facilities located in Edmonton, Alberta. The management team of Opsens Solutions will include:

Gaétan Duplain, President and Chief Executive Officer
Ridha Abid, Vice President, Sales and Marketing
Dr Rick Chalaturnyk P.Eng., Executive Vice President
Hal Soderberg P.Eng., Vice President Operations
Peter Lang P.Eng., Vice President Engineering

Gaetan Duplain, Vice President at Opsens and President at Opsens Solutions stated, “This strategic acquisition represents a significant opportunity for Opsens to continue its growth as a state-of-the-art reservoir surveillance solutions provider to the oil and gas industry. The unique and complementary expertise of the Inflo management team comprised of Dr Rick Chalaturnyk, Peter Lang and Hal Soderberg, provides a solid framework for the development of value added applications for its customers. Opsens’ increased capability for intelligent monitoring system design and robust, effective installation solutions, which are a high priority concern for customers, will support its aggressive commercialization in the high-potential Canadian and international markets. In addition, Inflo’s experience will be key in identifying new applications for our products.”

Dr Rick Chalaturnyk, President and Chief Executive Officer at Inflo and Executive Vice President at Opsens Solutions stated, “The opportunity to integrate our corporate skills in the design and installation of monitoring solutions with the state-of-the-art technology embodied in Opsens and in particular, sensor technology like the OPP-W sensor, is exciting. The synergies that exist at Opsens Solutions will allow us to provide an unparalleled level of reservoir surveillance solutions to our oil and gas customers. We look forward to joining with the world-class team at Opsens and applying our business experience and expertise towards capitalizing on the commercial potential represented by OPP-W technology.”

Opsens is initially targeting the oil sands market in Alberta, where SAGD is becoming the key production process, and where there is a potential for the installation of Opsens sensors in multiple oil wells. Opsens has already received an order from a major oil sands operator in Alberta for the supply and installation of Optical Sensing Systems. Canada has 179 billion barrels of oil reserves with 95% being oil sands, second only to Saudi Arabia. Canada is expected to increase its oil production by up to 500% by 2015. Opsens monitoring systems will provide

continuous acquisition of downhole pressure and temperature allowing SAGD operators to control steam injection and fluid production; critical information for optimizing bitumen recovery rates, reducing operating costs, managing steam chamber growth and managing safe steam injection pressures.

Grant of stock options

Opsens' Board of Directors also authorized the grant of a total of 500,000 stock options to Opsens Solutions employees and officers.

Under the provisions of Opsens' stock option plan, each stock option granted will entitle its holder to subscribe, until December 10, 2012, for one Opsens' common share at a price corresponding to the closing price of the shares on December 10, 2007. Options granted in this way will vest over a period of four years at a rate of 25 % per year, with the first tranche to be acquired at the end of the first year following the granting of the options.

About Opsens (www.opsens.com)

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.

The TSX Venture Exchange does not accept responsibility for the adequacy or accuracy of this press release.

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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