



Press Release
For Immediate Dissemination

OPSENS APPOINTS THREE DIRECTORS

QUEBEC CITY, Quebec, August 31, 2010 – Opsens Inc. (TSX Venture: OPS) (“Opsens”) has appointed three new members to its board of directors.

Steven Arless, Collin Cook, and Gordon Zive will join Opsens’ board effective August 31st, 2010, replacing Bertrand Bolduc, Mario Jacob and Jean Rochette.

Mr. Arless has over 35 years of international marketing and sales experience in the medical devices and pharmaceutical industries, including 17 years at Smith & Nephew Inc., (five years as President), and 10 years as President and CEO of CryoCath Technologies Inc. He is currently CEO of CardiolInsight Technologies Inc., a Cleveland-based company developing and commercializing cardiovascular technology.

Mr. Cook has extensive experience in both negotiation and the oil and gas business, an area of strategic importance to Opsens. As Vice-President marketing and development, Oil Sands, for Petro-Canada, where he has worked since 1976, he acquired wide-ranging experience in commercial negotiation, oil sands development and marketing.

Mr. Zive has worked in the investment business for more than 30 years, including the last 25 for RBC Asset Management Inc. From 1995 to 2009, he was portfolio manager for the \$515 million RBC Global Energy Fund, and managed the energy portions of the RBC Canadian Equity Fund and the RBC Balanced Fund.

“Opsens has made great strides in the last four years, in part because of the wisdom and advice of its board,” said Pierre Carrier, President and CEO of Opsens. “These three new directors bring deep experience in the fields of oil and gas and medical devices, which will help take Opsens to the next level.”

Opsens is thrilled to have such high-quality additions to its board. The company wholeheartedly thanks Mr. Bolduc, Mr. Jacob and Mr. Rochette for their tremendous contributions to Opsens, including the guiding of Opsens through its listing on the TSX Venture, the acquisition of Inflo Solutions and the commercializing of its oil and gas products.

Grant of stock options

Opsens’ Board of Directors also authorized yesterday the grant of a total of 1,100,000 stock options to certain directors and officers, as provided by the Opsens stock option plan adopted by the shareholders on January 19, 2010.

Under the provisions of Opsens’ stock option plan, each stock option granted entitles the holder to subscribe to one Opsens’ common share at the latest on August 30, 2015 and at a price equal to 0.38\$ per share. The stock options granted to the directors entitle the holders to subscribe immediately to Opsens’ common shares whereas the stock options granted to the employees will be vested over a period of four years at a rate of 25% per year, the first tranche being vested at the end of the first year following the granting of the stock 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 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, and laboratory fields. Opsens provides complete technical support, including installation, training, after-sales service, for its fiber optics systems that are regulated by the ISO 9001-2008 norm.

Opsens was recognized as a TSX Venture 50® company in 2010. TSX Venture 50 is a trademark of TSX Inc. and is used under license.

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