



OSI Geospatial Inc. Announces Resignation of Director

Friday, May 20, 2011

Vancouver, Canada

OSI Geospatial Inc. ("the Company") (TSX Venture: OSI) today announced the resignation of Mr. Helmut Lobmeier as Director of the Company. Mr. Lobmeier has served on the Board for 21 years.

"Helmut has been a key contributor to OSI since its very early days and on behalf of the Board, I would like to extend our gratitude for his long and valued service to the Company", said Mark Rivers, Chair.

About OSI Geospatial

OSI Geospatial Inc. operates two distinct business units: Offshore Systems Ltd. (based in Vancouver, British Columbia), a world-leading naval fleet supplier of integrated navigation and tactical solutions; and CHI Systems, Inc. (based in Philadelphia, Pennsylvania), a leading-edge research, development, and systems integration supplier of technology solutions for defense, aerospace, health, and bioscience markets. OSI Geospatial systems and software are in use by military, government, and commercial customers around the world. The Company is publicly traded on the TSX Venture Exchange. For additional information please visit www.osigeospatial.com.

Neither TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

Forward-Looking Statements

This press release may include forward-looking information within the meaning of applicable securities laws including information concerning the business and future results of OSI Geospatial. Any such forward-looking statements are subject to risks and uncertainties and OSI Geospatial's actual results of operations could differ materially from historical results or current expectations. Additional information on these and other potential factors that could affect OSI Geospatial's financial results are detailed in disclosure documents filed from time to time with the applicable Canadian securities regulatory authorities.

Data subject to change without notice.

For more information:

Jim Girard
Interim President and Chief Executive Officer
Vice-President, Finance and Secretary
+1 778-373-4600
+1 888 880 9797
+1 778-373-0027 (FAX)
invest@osigeospatial.com