



Synodon & Natural Resources Canada to Evaluate realSens for Monitoring Arctic Methane Seeps

For Immediate Release

Edmonton, Alberta – December 19, 2008 - Synodon Inc. ("Synodon") [TSXV-SYD], is pleased to announce that it has signed a Letter of Agreement with Natural Resources Canada's Earth Sciences Sector for the evaluation of the realSens™ technology's ability to detect and measure methane seeps from conventional natural gas reservoirs and/or methane hydrate deposits in Arctic environments.

The agreement encompasses laboratory and field testing of the realSens™ technology to ascertain its practical feasibility for this application. The tests are scheduled to be completed by March 31, 2009. Upon successful completion, the parties will look to fly field trials in the Arctic in the summer of 2009.

Interest in natural emissions of methane from Arctic environments has grown in recent years from an environmental perspective and as a possible tool to prospect for conventional gas and also methane hydrate. Methane hydrate is a solid ice-like substance composed of methane gas and water which forms a stable crystalline structure at relatively high pressure and low temperature. Methane hydrates occur naturally in deep water marine environments, and in Arctic regions beneath thick permafrost, and may represent a potential very large long term source of energy. However, methane hydrates may also be a significant natural source of greenhouse gas (GHG) emissions, potentially exacerbating climate warming. Estimates of the global methane hydrates resource vary considerably, but the general consensus is that the energy potential of methane hydrates exceeds that of all other conventional hydrocarbon resources combined. Current estimates for the United States indicate 200,000 tcf of methane as hydrate (compared to 6,395 tcf of conventional natural gas resources worldwide), with annual consumption of natural gas being 22 tcf. Of this, 85 tcf is technically recoverable in the North Slope of Alaska. Observations of naturally occurring gas seeps in areas of known methane hydrate deposits suggest the possibility that significant volumes of GHG may be released from hydrates into the atmosphere. Consequently, this topic is of growing interest to researchers concerned with the potential impact of natural releases of methane on the environment and global climate change.

Adrian Banica, Synodon President and CEO said, "We are very pleased with the interest that Natural Resources Canada is showing in Synodon's realSens™ technology. This is as a result of our recently announced capability to measure methane gas, as well as the positive results of our modeling of an arctic environment measurement for these seeps. We expect this opportunity to potentially open up a new line of business for regional resource assessment that will allow Synodon to further its efforts to support the production of clean energy and the reduction of GHG emissions."

Researchers at Natural Resources Canada have been studying natural releases of methane gas in the Mackenzie delta area for several years documenting their widespread occurrence and possible association of some seeps with conventional gas

fields and gas hydrates which occur beneath a thick permafrost interval. Given that these releases can be difficult to identify by visual observation alone, the development of a technology for detecting natural seepages of methane could result in a useful new tool for Arctic exploration, and ultimately contribute to regional assessments of natural emissions of greenhouse gases.

The development of the realSens™ technology is supported in part by Sustainable Development Technology Canada, an arms-length not-for-profit corporation created by the Government of Canada. Natural Resources Canada and other Government of Canada initiatives have also provided financial support.

Synodon Inc. (www.synodon.com) is an Edmonton based technology company which has developed and demonstrated an advanced airborne remote gas sensing system called *realSens*™, based on technologies developed under the Canadian Space Program and by Synodon scientists. The company will provide gas emissions monitoring and quantification services to a variety of industries, including hydrocarbon (oil and gas), environmental, agricultural and for a variety of gases including methane, ethane and ammonia. The initial focus is on the hydrocarbon industry and in particular the natural gas pipeline sector.

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Should you wish to receive Company news via email, please email chris@chfir.com and specify "Synodon." in the subject line or contact the Company directly.

The TSX Venture Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of the content of this news release.

Forward-Looking Statements

Statements in this release that are forward-looking statements are subject to various risks and uncertainties concerning the specific factors disclosed under the heading "Risk Factors" and elsewhere in the Company's periodic filings with Canadian securities regulators. Such information contained herein represents management's best judgment as of the date hereof based on information currently available.
