

STRATECO

RESOURCES

<http://www.stratecoinc.com>

TSX: RSC; U.S.: SRSIF; Frankfurt: RF9

STRATECO ANNOUNCES A CA \$15,000,000 NON-BROKERED PRIVATE PLACEMENT

Montreal, January 20th, 2010 - Strateco Resources Inc. ("Strateco") is pleased to announce that it has entered into a final agreement for a \$15 million private placement with The Sentient Group ("Sentient"), an independent equity fund that manages over US \$1.3 billion in natural resource sector investments.

The agreement provides for Sentient to subscribe 100,000 units for an amount of \$95,000 and \$14,905,000 of convertible notes (the "Notes") accompanied by common share purchase warrants (the "Warrants"). Each unit consists of one common share (a "Share") of Strateco and one-half of one Warrant. Each tranche of \$1,000 in Notes is accompanied by 527 Warrants.

Each Warrant entitles its holder to purchase one Share for \$1.00 during a 24-month period following the closing, and for \$1.05 during the subsequent period of 24 to 36 months after the closing.

The unit price of \$0.95 represents a premium of 15.8% over the average trading price of a share on the TSX over the last 30 and 90 days, which averaged, in both instances, \$0.82.

The Notes do not bear interest and are unsecured. They mature five years plus one month after closing. They are convertible into Shares by the holder during this period at a price of \$0.95 per Share, and are not redeemable by Strateco, except under certain conditions.

The subscribed Shares cannot be traded for a period of four months plus one day following the closing. Strateco's management has agreed to recommend the election of a Sentient representative to Strateco's Board of Directors.

Strateco intends to use the net proceeds of the transaction to finance exploration work, mainly for the acquisition of materials and infrastructure for its Matoush uranium project in Quebec's Otish Mountains.

The transaction is expected to close on or around January 27, 2010. It is subject to certain conditions, including receipt of all the required approvals, including the Toronto Stock Exchange's approval (TSX).

Strateco has agreed to pay Sentient transaction fees equal to 5% of the gross proceeds of the private placement. These transaction fees in the amount of \$750,000 will be paid in the corresponding number of units.

Should the convertible Notes be fully converted, Sentient would hold an interest of 16,578,948 Shares, or 11.98% of the total number of issued and outstanding shares; in the event that all the Warrants are also exercised, Sentient's interest would increase to 24,868,422 Shares, or 16.48% of the total Shares issued and outstanding.

"We are extremely pleased to have The Sentient Group as a large shareholder," noted Guy Hébert. "They represent a strategic partner for us, which Strateco needed at this stage in its development."

About The Sentient Group

The Sentient Group is an independent equity fund manager with over US \$1.3 billion under management in the natural resource sector.

For more information on The Sentient Group, visit their web site at: www.thesentientgroup.com.

This news release contains forward-looking statements subject to certain risks and uncertainties. There can be no assurance that these statements will prove to be correct, and actual results and future events could differ materially from those implied by such statements. These risks and uncertainties are discussed in the annual report filed with the securities commissions of Alberta, British Columbia, Ontario and Quebec and in the 10-K annual report filed with the US Securities and Exchange Commission.

For more information, contact:

STRATECO RESOURCES INC.

Guy Hébert
President and Chief Executive Officer
ghebert@bbhgm.com

Jean-Pierre Lachance
Executive Vice President
jplachance@bbhgm.com

Audrey Vézina Angus
Investor Relations
avezina@bbhgm.com
Tel: 450.641.0775
1.866.774.7722
Fax: 450.641.1601

<http://www.stratecoinc.com>

TSX: RSC; U.S.: SRSIF; Frankfurt: RF9