



KELSO
TECHNOLOGIES
INCORPORATED

TSXV:KLS

NEWS RELEASE

FOR IMMEDIATE RELEASE

KELSO TECHNOLOGIES ACHIEVES SALES LEADING INTO 2009 WHICH SHOW SIGNIFICANT GROWTH AS THE RAIL SECTOR EMBRACES KELSO'S PATENTED TECHNOLOGY

TUESDAY, DECEMBER 23, 2008 - VANCOUVER, BC, CANADA – Kelso Technologies Inc. (TSXV:KLS and Pink Sheets:KEOSF) announced today that it has achieved considerable success in the sale of its patented pressure relief valves to shippers/owners, tank car manufacturers and rail tank car service facilities for delivery this month in through the early part of 2009.

While Kelso's customers have not permitted the Company to announce their names in news releases, many of these companies are listed on Forbes Fortune 500 and/or Fortune 1000 list of the largest companies in the US, based on annualized revenues. Kelso customers include shippers of various chemicals and petroleum-derived products as well as large tank car manufacturers that are equipping some new car builds with Kelso valves as the customers ordering these tank cars have specified that Kelso's valves be installed rather than any of its competitors valves. Other sales were made to Service Companies that repair or retrofit tank cars with valves, selecting Kelso's technology first over that of the competitors.

Kelso has received the second Purchase Order for an additional 100 valve order from one of its chemical company customers. This order brings the total valves ordered so far to 125 valves. This same customer has committed to retrofitting the balance of this particular fleet of rail cars and will be ordering an additional 325 valves through 2009 bringing the total order to 450 valves, the largest ever order Kelso has received from any one customer.

Today, Kelso shipped a 10 valve order to a new customer for installation by a Tank Car manufacturer as a retrofit.

Kelso has also placed an order for shipment in early January of 2009 of 30 valves from another new chemical company customer which Kelso anticipates will purchase additional valves through 2009 to retrofit its existing fleet of rail tank cars. Kelso has also placed an order for 4 valves to be installed by a Service Facility on 4 rail tank cars requiring replacement valves.

These sales successes continue Kelso's sales growth as it turns the corner to commercialization of its technology with greater sales than ever anticipated to occur in 2009.

Kelso is a customer-driven, product-solutions company and developer of the unique JS line of pressure relief valves, Manway Securement System and other rail tank car products for the rail industry.

Kelso Technologies Inc. is a public company that trades on the TSX Venture Exchange under the symbol KLS and is quoted in the United States on the Pink Sheets under the symbol KEOSF. For further information about Kelso Technologies, please visit the Company's website at www.kelsotech.com or contact Corporate Communications at 1.866.535.7685 ext. 3 (604.878.7600 ext 3) (email: kelso@kelsotech.com).

Issued on behalf of the Board of Directors of Kelso Technologies Inc.,

"John L. Carswell"

John L. Carswell
President & CEO

The TSX Venture Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of this Release. The information in this news release may contain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. When used in this release, words such as "estimate", "expect", "anticipate" and "believe" as well as similar expressions are intended to identify forward-looking statements. Such statements are used to describe management's future plans, objects, and goals for the Company and therefore involve inherent risks and uncertainties. The reader is cautioned that actual results, performance or achievements may be materially different from those implied or expressed in such statements, which speak only as of the date the statements were made. The Company does not update forward-looking statements continually as conditions change. We seek safe harbor.