



For Immediate Release

## “PreCalculatOre” – Demonstrating Financial Impacts of Pre-concentration Techniques on Mine Energy Costs and Metal Ore Recovery

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MineSense™ Technologies Limited is pleased to announce the completion of the evaluation tool - “PreCalculatOre” in conjunction with XPS (Xstrata Process Support) and the Centre of Excellence in Mining Innovation (CEMI). PreCalculatOre is a combined process and analytical cost modeling tool that can assess the potential economic benefits of applying ore pre-concentration techniques to existing or new mines.

“We are excited to introduce ‘PreCalculatOre’ to the mining industry,” says Dr. Andrew Bamber, CEO and founder of MineSense. “Through the collaborative development of tools like PreCalculatOre we can raise awareness and disseminate knowledge about the potential benefits to mines, mills and smelters of adopting the MineSense pre-concentration solution.”

Arthur Barnes, Consulting Metallurgist for XPS, and co-developer of the process model adds, “We are enthusiastic about PreCalculatOre and the opportunities it can provide for our clients globally. Mining operations are continually looking for opportunities to increase efficiencies, reduce costs and improve overall ore recovery and thus enhance sustainability.”

Damien Duff, R&D Program Director at CEMI says, “At CEMI, our goal is to support research and development projects that produce a meaningful outcome and demonstrate Canada’s strength in mining innovation. Supporting innovation supports our members, our community and the global mining industry overall.”

The generic model, the Northern Ontario-specific model (‘Sudbury Edition’) and a demonstration video on PreCalculatOre are available for download at CEMI’s website, [www.miningexcellence.ca/knowledge/reports/](http://www.miningexcellence.ca/knowledge/reports/) or at [www.minesense.com](http://www.minesense.com).



### **About MineSense**

MineSense Technologies Ltd is a Vancouver-based mining technology and product development company with a passion for enhancing the sustainability of mining by improving current ore extraction and recovery practices. MineSense intends to be the leader in ore pre-concentration solutions for the mining industry by addressing the global need for improved ore recovery processes through product demonstration and the integration of efficient, sustainable, commercially viable new technologies into new and existing mines. For more on MineSense Technologies please visit [www.minesense.com](http://www.minesense.com).

### **About Xstrata Process Support**

XPS, an independent subsidiary of Xstrata Technology Services, is a licensed metallurgical engineering, technology services and test work business based in Falconbridge, Ontario, Canada that serves the global mining industry. For more information on XPS visit [www.myxps.ca](http://www.myxps.ca).

### **About CEMI**

The Centre for Excellence in Mining Innovation (CEMI), located in Sudbury, Ontario, is continuing its R&D efforts to facilitate the delivery of step-change research initiatives which are deemed critically important to the mining industry. Incremental improvement projects are supported from time to time if they are deemed to have the potential to lead ultimately to step-changes. CEMI strives to establish excellence in strategic areas of research: deep mining, mineral exploration, integrated mine engineering, environment and sustainability. Please visit our website at [www.miningexcellence.ca](http://www.miningexcellence.ca) to review CEMI's 2010 Annual Report and project catalogue highlighting the achievements of its team of innovators.

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