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## **Trimble Quantm Alignment Planning System Helps Optimize Route for Mongolian Rail Project**

SUNNYVALE, Calif., Nov. 13, 2013 /PRNewswire/ -- Trimble (NASDAQ:TRMB) announced today that its Quantm<sup>®</sup> alignment planning system was used for route optimization on the Mongolian Northern Railways project from Ovoot to Erdenet. Quantm was selected to investigate alignment alternatives by Aspire Mining and their appointed consultants, SMEC International, on the 547-kilometer coal freight rail pre-feasibility study.

The pre-feasibility study revision that SMEC prepared for Aspire identified a more direct route from the Ovoot project to Mongolia's second-largest city, Erdenet. The more direct route has resulted in a lower capital expenditure projection for the Northern Rail Line project, with potential savings of approximately US\$200 million.

"The Quantm software was a direct factor in enabling us to achieve the results from the rail study," said Matt Crompton, Infrastructure Manager, Aspire Mining Ltd. "It helped us do the analysis quickly and the results are now ready for use by more traditional platforms for detailed engineering and analysis."

### **About Trimble's Quantm System**

Trimble's Quantm system integrates engineering, environmental, social and economic factors into a simultaneous analysis of alternatives for rail and road planning. This holistic approach to planning new infrastructure can result in faster decision-making and lower construction costs. Projects of all types and sizes—ranging from regional, state and national transportation infrastructure planning to small bypasses and road realignments—can take advantage of the benefits of the Trimble Quantm system. In addition, the system can be used for mining, forestry and utility industry infrastructure.

For more information, visit: [www.trimble.com/alignment](http://www.trimble.com/alignment).

### **About Trimble**

Trimble applies technology to make field and mobile workers in businesses and government significantly more productive. Solutions are focused on applications requiring position or location—including surveying, construction, agriculture, fleet and asset management, public safety and mapping. In addition to utilizing positioning technologies, such as GPS, lasers and optics, Trimble solutions may include software content specific to the needs of the user. Wireless technologies are utilized to deliver the solution to the user and to ensure a tight coupling of the field and the back office. Founded in 1978, Trimble is headquartered in Sunnyvale, Calif.

For more information, visit: [www.trimble.com](http://www.trimble.com).

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