



Modular Mining Systems' Solutions to be Implemented at First Quantum's Sentinel Mine Project

Tucson, Arizona, May 21, 2014

Modular Mining Systems, Inc., the global leader in the delivery of real-time computer-based mine management solutions for surface and underground mining operations, announced today that Kalumbila Minerals, Ltd. (KML), a subsidiary of First Quantum Minerals, Ltd. will implement Modular's DISPATCH[®], MineCare[®], and ProVision[®] systems at the Sentinel copper mine in Zambia.

Sentinel open-pit copper mine received Board of Directors approval in May 2012. Construction started soon thereafter with commissioning scheduled for Q3 2014. Sentinel mine's processing facility will have an anticipated annual throughput rate of 55 million tonnes at an average grade of 0.5% copper.

The single-phase implementation on the mine's 60-unit heavy equipment fleet will include Modular's DISPATCH Fleet Management system, MineCare Maintenance Management system, and ProVision Machine Guidance solution for shovels, dozers and drills. "Maximizing production efficiency is critical to our success. We chose to partner with Modular because of their capabilities of the IntelliMine Mine Management solution and proven success in the industry," said Junior Keyser, Mine Manager at Kalumbila Minerals Ltd, Zambia.

The DISPATCH, MineCare and ProVision systems will optimize production, reduce maintenance costs and equipment downtime, and ensure that shovel, dozer and drill operators can precisely adhere to the prescribed mine plan. "The selected technologies will give Sentinel Mine the tools to achieve efficient, cost-effective operation from day one," said Lourens du Plessis, General Manager Africa, at Modular.

The Sentinel copper mine, Enterprise nickel deposit, and other mining deposits are part of First Quantum's Trident project, located approximately 140 km west of the town of Solwezi and 150 km from First Quantum's Kansanshi mine in Northern Zambia. The Trident project represents the largest single project investment (approximately \$2 billion) to ever occur in Zambia. The Kansanshi copper mine, 80% owned by First Quantum Minerals and the eighth largest copper mine in the world, is also a Modular customer.

The system is expected to be commissioned later this year.

About First Quantum Minerals

First Quantum Minerals Ltd. is a well-established and rapidly growing metals and mining company producing mainly copper, nickel, zinc, gold and platinum group elements. With a geographically diversified portfolio of high-quality operations and development projects and a strategic plan to achieve 1.3 million tonnes per annum of copper production capacity within five years, First Quantum is poised to become the largest widely-held, pure-play copper producer and one of the top five copper producers in the world. For more information on First Quantum Minerals, visit: www.first-quantum.com

About Modular Mining Systems, Inc.

Founded in 1979, Modular Mining Systems, Inc. is the market-leading provider of powerful information management solutions that meet the needs of both surface and underground mining operations, worldwide. Modular is committed to delivering state-of-the-art mine management technologies in the areas of production, machine guidance, equipment health and operator safety. Modular employs more than 600 employees in 11 offices around the world, with systems operating at more than 230 client sites, including 18 of the 20 largest mines in the world. For more information, visit: www.modularmining.com

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