Modular Introduces Next Generation High-Precision GNSS Positioning Technology for Increased Constellation Access and Availability

Tucson, Arizona – May 3, 2018: 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 the commercial release of their MM2 High-Precision Global Navigation Satellite System (HP-GNSS) receiver.

The MM2 HP-GNSS receiver is the latest addition to Modular's High-Precision machine guidance platform, and is used to determine centimeter-accurate location and positioning for their ProVision® Machine Guidance solutions for drills, shovels, loaders, and dozers. The MM2 supersedes Modular's previous version, the MM1, to provide vastly improved satellite coverage – even in deep or otherwise challenging pits – by gaining access to and utilizing all four GNSS constellations (GPS, GLONASS, BeiDou, and Galileo).

"Mines that previously had intermittent GPS coverage due to geographic location or pit geometry will benefit from more dependable and accurate positioning," said Michael Lewis, Vice President, Product Innovation at Modular. "Increasing the availability of their mission-critical position-based applications translates directly to a lower cost per ton," he added.

The receiver, powered by Topcon, a leader in precision measurement technology, will also serve as a critical component for optimizing the performance of Modular's latest and future innovations, including the ProVision Guided Spotting system, which guides haul truck operators as they reverse for loading at the shovel.

The MM2 High-Precision receiver has undergone extensive field testing in North America, South America, and Australia; in all cases, the MM2 improved satellite availability, approaching 100% even in the most challenging deep pits.

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 close to 700 employees in 10 globally-distributed offices, with systems deployed at 250 client sites, including 18 of the 20 largest mines in the world. For more information, visit: http://www.modularmining.com/.

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