



Hemisphere GPS Introduces Eclipse™ II Multi-GNSS Receiver Technology with Advanced ASIC Design

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Calgary, AB — September 8, 2010 — (TSX: HEM) Today, Hemisphere GPS announced its next generation Eclipse II GNSS receiver technology and the release of the Eclipse II OEM board – the first product incorporating these technological advancements. Based on new Hemisphere GPS firmware and ASIC designs, Eclipse II provides improved RTK performance, GPS, GLONASS, SBAS, and OmniSTAR® support, and reduced power consumption.

New Hemisphere GPS digital and analog ASIC designs optimize performance and provide the ability to track and process a wide range of GNSS signals including current and modernized GPS, GLONASS, SBAS and the future Galileo and Compass system signals. The ASICs offer flexibility in GNSS board design by reducing the number of board components required, thereby reducing complexity and improving reliability.

The powerful new digital ASIC can process five separate GNSS frequencies and up to 90 separate satellite signals at one time. Multiple copies of the digital and analog ASICs are being combined into Eclipse II GNSS receivers that offer the most optimal combination of performance and value in the marketplace.

"The new Eclipse II technology highlights our commitment to continuous innovation in GNSS solutions," said Dr. Michael Whitehead, Vice President, Technology at Hemisphere GPS. "Providing a higher level of GNSS performance allows our OEM partners to take their products to the next level."

Eclipse II improves GNSS performance, particularly with RTK and GLONASS applications, through Hemisphere GPS' patent-pending SureTrack® technology. Benefits include extended and more robust RTK solutions as the rover RTK receiver will process all available signals even if they are not common with the base receiver. RTK solutions are therefore better maintained in challenging environments, baselines of up to 50km are possible, and reacquisition times are improved resulting in more robust overall performance. In particular, GLONASS performance is enhanced through SureTrack as GLONASS receiver bias issues are avoided and GLONASS signals aid the positioning solutions even with GPS-only base stations.

The new Eclipse II receiver technology is currently available as the P320 OEM board and evaluation kit. Hemisphere GPS is integrating Eclipse II technology into other form factors and into many of its existing GPS receiver products and plans to introduce those products in the coming months.

The above disclosure contains certain forward-looking statements that involve substantial known and unknown risks and uncertainties. These forward-looking statements are subject to numerous risks and uncertainties, certain of which are beyond Hemisphere GPS' control, including: the impact of general economic conditions, industry conditions, increased competition, the lack of availability of qualified personnel or management, fluctuations in foreign exchange or interest rates, stock market volatility and market valuations of companies with respect to the announced transactions and the final valuations thereof, and obtaining required approvals of regulatory authorities. Hemisphere GPS' actual results, performance or achievement could differ materially from those expressed in, or implied by these forward-looking statements and, accordingly, no assurances can be given that any of the events anticipated by the forward-looking statements will transpire or occur, or if any of them do so, what benefits, including the amount of proceed, that Hemisphere GPS will derive there from.

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