



FOR IMMEDIATE RELEASE

Novariant Announces Industry First Terralite™ XPS Positioning Infrastructure
Ground-based “Pseudo-satellite” System Provides Accurate, Real-time Positioning 24/7

Las Vegas, NV -Sept. 27, 2004 - With the introduction of Novariant’s new Terralite XPS system, mine productivity will no longer be disrupted by weak or obstructed Global Positioning System (GPS) satellite signals. Unlike GPS, Terralite XPS provides mine managers with direct control of the reliability of their positioning system. Novariant, Inc., the premier industrial solutions provider for precision positioning solutions, will preview the Terralite XPS system in booth # 5231 this week at MINExpo 2004.

The Terralite XPS system is composed of a network of transmit stations (Terralites) and any number of mobile receivers. Terralites broadcast a new positioning signal, called “XPS,” throughout the mine to a new category of tri-frequency mobile receivers. The system enables mine operators to compute accurate positions in locations that standard GPS alone cannot reach, such as in pits where satellite signals are blocked by steep highwalls. As the mine depth increases and/or the pit configuration changes, the self-surveying Terralites can be quickly and easily repositioned to ensure maximum position coverage around the clock.

“For the first time, accurate, real-time positioning is available 24/7. Terralite XPS provides a significant increase in productivity for GPS-enabled mobile mining machines, particularly in places where GPS is less reliable,” said Shashi Raval, CEO at Novariant. “Terralite XPS virtually eliminates the recurring problems of satellite signal disruptions, allowing mines to optimize their investment in GPS systems.”

According to mine operators utilizing GPS-enabled systems on critical machines, the “view-of-sky” limitations of GPS can cause signal interruptions more than 20% of the time.

Even when minimum signal requirements are met, poor satellite geometry can lead to significant and costly position errors.

Based on the same pseudolite technology that Novariant has employed in precision landings of commercial aircraft and military fighter planes in zero visibility conditions, the Terralite XPS system architecture is now being deployed to support other critical applications that require continuous positioning availability. Novariant plans to apply the technology to address several other markets including surveying, construction, and indoor positioning applications.

Terralite XPS systems for mines will be available in Q1 of 2005. For more information, visit www.novariant.com/mining.

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About Novariant, Inc.

Novariant is the premier industrial solutions provider for precision positioning, intelligent control systems, and positioning infrastructures. Our precision solutions are enabled by the Global Positioning System (GPS) and other patented location and communications-based technologies to autonomously steer equipment, map terrain, and land aircraft. Founded in 1994, Novariant (formerly named IntegriNautics) can be found at www.novariant.com.

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