



**Advanced Lighting Technologies**

FOR IMMEDIATE RELEASE:

Contact:

Jeff McFadden  
Director of Engineering  
[jmcfadden@rslfibersystems.com](mailto:jmcfadden@rslfibersystems.com)  
860.282.4930 X 4936

**RSL FIBER SYSTEMS JOINS WITH NIOSH TO BRING SAFETY LIGHTING TO MARKET**

East Hartford, Ct. (November 6, 2012) - RSL Fiber Systems LLC announced today that RSL and the National Institute for Occupational Safety and Health (NIOSH) have signed a licensing agreement that allows RSL to integrate the organization's visual warning system prototype into its fiber optic outlining illumination product line. The emerging technology will improve mine safety by reducing struck-by or pinning accidents involving continuous mining machines.

Mobile machinery in mines poses a significant safety risk to workers who can be struck or pinned by the machines. Man-machine collisions are currently the leading cause of accidents inside mines. Using dynamic lighting patterns on mining machines and transport equipment helps improve an individual's ability to quickly detect machine motions and react to avoid a collision.

Through the use of rugged, side-emitting optical fiber, RSL's durable high-output systems are custom designed to fit various types of mining equipment for improved visibility and safety. The cable is affixed to equipment surfaces, thereby 'outlining' the equipment and dramatically increasing its visibility in dark environments. Color, frequency and other visual cues can be configured to meet the demands of the environment.

RSL's outlining illumination product is approved by MSHA (Mine Safety and Health Administration) and ready for installation in both permissive and non-permissive environments. They can be used on scoops, shuttle cars, roof bolters and continuous mine machines. It is based on RSL's fiber optic technology which was developed for use on U.S. Navy warships.

RSL Fiber Systems LLC is the market leader in advanced remote source fiber optic lighting systems solutions and comprehensive engineering services for military and commercial markets.