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## **Army Testing New Goggles Developed by Triton Orders Variable Light Transmission Eyewear for Testing**

**Chelmsford, MA/September, 2007** - Triton Systems Inc. (Triton) has received an order for 50 variable transmission (VT) goggles from the US Army Infantry Combat Equipment branch at Ft Belvoir, VA. The Army will test and evaluate the goggles as part of an effort to provide better vision equipment for US Soldiers in the battlefield. The goggles were initially developed under grants from the Army Night Vision Laboratory and the Office of Naval Research (ONR).

Triton's VT technology is based on electrochromics, which changes light transmission when a small voltage is applied. This enables soldiers to automatically darken or lighten the goggle lenses when moving from a well lit environment, such as a street in mid-day sun, to a dark building, and back out to the street. This key benefit allows warfighters to maintain eye protection without the need to change or remove the protective lenses when entering darkened areas.

Several unique features of Triton's VT technology include its use of flexible thin films, very low power consumption, a long lifespan and wide temperature use. The prototype design features a thin electrochromic insert placed inside the primary ballistic lens of a military goggle. The electrochromic insert is fabricated using flexible, optical grade plastic and does not affect the design of the original goggle.

In addition to the military applications in eyewear protection systems, there are commercial opportunities for VT in automotive sunroofs and windows, ski and sport goggles, windows, computer screens, motorcycle visors, aircraft window use, and high-end sunglasses.

### **About Triton Systems, Inc.**

Triton Systems, Inc., ([www.TritonSystems.com](http://www.TritonSystems.com)) is a high-technology development small business firm founded in 1992 that develops advanced materials and processing and manufacturing technologies for commercial, industrial, and Government use.