

Media Contacts:  
AEgis Technologies Group  
Camille M Gardner  
Business Development Manager  
256-922-0802  
[cgardner@aegistg.com](mailto:cgardner@aegistg.com)



## **AEgis is Developing a High Energy Laser (HEL) Sensor**

**Huntsville, Alabama, November 23, 2009** — The AEGis Technologies Group is continuing to play a key role in the development of test instrumentation for directed energy systems. AEGis is leading multidisciplinary teams that are providing on-board diagnostic sensors for high-energy laser (HEL) systems. Team members are developing a new HEL sensor for the Air Force Research Laboratory Directed Energy Directorate (AFRL/RD) at Kirtland Air Force Base, New Mexico. This new sensor will provide direct measurement of critical laser parameters. The sensors are comprised of micron-scale components, resulting in minimal intrusiveness. The novel sensor architecture allows a significant percentage of the laser energy to interact directly with the target to provide key irradiance data in realistic HEL engagement tests.

"This new sensor will incorporate technology we have developed over the past several years so we can provide AFRL with the best possible information as they continue to refine the Air Force's game-changing directed energy weapon systems," says Mr. Kent Taylor, Program Manager for Directed Energy projects in the Microsystems Group at AEGis.

AEgis is committed to developing novel sensors and actuators using micro and nanotechnology. AEGis' multidisciplinary team has expertise in critical areas of test instrumentation and deployment. For more information about the technology used in this project please visit the [AEgis Technologies Group](#).

### **About AEGis Technologies Group**

AEgis has 20 years experience in providing advanced technology and expert consulting services to industries throughout the world. We create innovative solutions to challenges requiring specialized knowledge including expertise in micro and nano technologies, sensors for diagnostics, simulation and software development, integration and analysis, training simulator development, HLA/DIS technologies, C4I-to-Simulation interoperability, and Modeling and Simulation VV&A programs for software/simulations. To learn more about AEGis, please visit the company's website at [www.AEgisTG.com](http://www.AEgisTG.com).