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For Immediate Release

Aegis Nanogenesis Group Wins STTR Phase II Award – Dynamically Tunable Metamaterials

Huntsville, Alabama (February 21, 2011) - The Nanogenesis Group, A Division of Aegis Technologies, was awarded an Army Small Business Technology Transfer (STTR) Phase II Award for their Dynamically Tunable Metamaterials proposal.

Aegis Technologies has won an STTR Phase II contract to develop actively tunable metamaterial devices. A metamaterial is a new class of artificial materials engineered to have properties that may not be found in nature. Metamaterials usually gain their properties from ordered structure rather than composition, using materials with contrasting physical properties to create collective macroscopic behavior. Metamaterials have been proposed for breakthrough novel applications in many fields, spanning engineering, physics and optics. Aegis will combine these structures with materials with optical properties that can be altered electrically and the result will be metamaterials with electrically tunable optical properties. The development of actively tunable metamaterials can lead to a variety of applications including optical switches, solid state beam steering devices, switchable optical interconnects, optical logic elements for both computing and communication applications.

“We are pleased that we have the opportunity to develop these revolutionary devices for both military and commercial applications,” said Dr. Milan Buncick, Nanogenesis Chief Scientist.

About Aegis Technologies Group

Aegis Technologies is a privately held small business headquartered in Huntsville, Alabama, USA, that provides advanced technology and expert consulting services to industries throughout the world. Aegis specializes in modeling & simulation (M&S) and micro/nanoscale technology development. The company’s M&S products and services include simulation software and training simulators; geospatial databases; 3D models; war fighter exercise support; systems engineering and analysis; verification, validation, and accreditation (VV&A); test and evaluation support; and HWIL simulation. Aegis’ Nanogenesis Division excels in advancing cutting edge micro and nanoscale technologies from concept to deployment with applications ranging from defense to energy to biotechnology.

Aegis has enjoyed steady growth with revenues increasing to more than \$35 million in sales and

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employment of 200+ professionals. AEGIS has been instrumental in the acceptance of M&S as a profession, as a graduate program of study among many colleges and universities, and in the creation of an M&S standard across the international M&S professional community of practice. Since its founding in 1989, AEGIS has been committed to honesty and integrity and has been recognized for its honorable business practices by recently receiving the Better Business Bureau's Torch Ethics Award. The company's highly skilled work force is dedicated to building lasting relationships and providing superior products and services to our customers.

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