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For Immediate Release

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IRTS Phase III Award for AEgis Nanogenesis Group

Huntsville, Alabama (August 25, 2011) – The Office of the Secretary of Defense has awarded the AEgis Nanogenesis Group with a Phase III contract for their proposal entitled Inversion-Derived Resistive Temperature Sensor (IRTS).

The IRTS program has developed a high spatial resolution array of subsurface temperature sensors that is tightly coupled with an inverse heat conduction model that estimates thermal conditions at a heated surface. During the IRTS program, the team at Nanogenesis, A Division of AEgis Technologies, has demonstrated an integrated system with a dense array of resistive temperature sensors, readout electronics, data acquisition and software that performs visualization, inverse heat conduction computations, and analysis. The IRTS program is entering its third phase during which the system will reach TRL 6 and be deployed at a test range.

“The IRTS program has provided us the opportunity to address tremendous challenges associated with measurement of thermal phenomena at the surface of a material during extremely high heating. Many environments produce a heat flux so severe that temperature sensors will not survive. This system is designed to experimentally determine high spatial resolution temperature and heat flux profile in such a harsh environment,” said Jon Woolley, Nanogenesis Research Scientist and IRTS Co-Principal Investigator.

Woolley added, “Our team of engineers and scientists has done an outstanding job of overcoming a number of difficult technical hurdles during the development of the IRTS system and we look forward to its deployment.”

About The AEgis Technologies Group Inc.

The AEgis Technologies Group is a privately held small business headquartered in Huntsville, Alabama, USA, that provides expert modeling & simulation (M&S) and nanotechnology development services to industries throughout the world. The company’s products and services include simulation software and training systems; warfighter exercise support; simulation development and integration; geospatial programs; systems engineering and analysis; verification, validation, and accreditation (VV&A); and test

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and evaluation support. 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.

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