

ESRG to Provide Energy Conservation and Fuel Management Decision Tools to the US Navy

Virginia Beach, VA – March 2, 2009 – Engineering Software Reliability Group (ESRG), a developer of remote monitoring and diagnostic systems for the US Navy and commercial industry, has been awarded a Small Business Innovation Research (SBIR) Phase II contract. At the completion of the SBIR, ESRG will provide Energy Conservation and Fuel Management Decision Tools to Naval Surface Warfare Center, Carderock Division (NSWCCD), Ship Systems Engineering Station (SSES), in Philadelphia, PA. NSWCCD is the Navy's principal Test and Evaluation Station and In-Service Engineering Agent.

The shipboard application will collect, analyze, and present fuel usage data and will automatically generate fuel consumption curves utilizing live data. It will provide recommended plant configurations, optimizing the best achievable fuel consumption to support mission readiness. ESRG's team of engineers, software architects, and developers will utilize their expertise in remote monitoring solutions to architect and deliver a fuel management decision support tool that integrates with the Navy's existing Maintenance Engineering Library Server (MELS) infrastructure. A Fuel Consumption IPAR (short for ESRG's Integrated Performance Analysis Reports) will display near real-time fuel usage data and fuel curves for each ship outfitted with the tool and will provide the means for Fleet comparisons.

ESRG will rapidly commercialize the technology that results from this SBIR in both the Department of Defense (DoD) and the private sector through a combination of building internal capabilities, establishing strategic alliances, and software licensing. "The awarding of this SBIR enables the combined team of NSWCCD Philadelphia and ESRG to deliver a long needed fuel consumption decision support tool to the Surface Combatant Fleet" said Jeremy Wilson, ESRG's Chief Technology Officer. "It also provides ESRG the ability to provide the commercial sector with a tool to minimize the impact of fuel price fluctuations on their processes", Mr. Wilson added.

The Small Business Innovation Research (SBIR) program is a set-aside program for domestic small business concerns to engage in Research/Research and Development (R/R&D) that has the potential for commercialization. The SBIR program was established under the Small Business Innovation Development Act of 1982, reauthorized until September 30, 2000 by the Small Business Research and Development Enhancement Act, and reauthorized again until September 30, 2008 by the Small Business Reauthorization Act of 2000.

About ESRG

ESRG was established in 2000 to provide leading-edge data analysis and remote monitoring technology. ESRG supports the remote condition monitoring of over 100 US Navy surface fleet ships and offers the Ostia Edge™ Monitoring Suite for a range of industries in the commercial sector. ESRG implements proven products and services, enabling automated analysis in support of machinery owner/operators' business strategies. This is accomplished by providing engineering and software products for rule development, data integration, maintenance engineering, and software engineering.

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