



FOR IMMEDIATE RELEASE

**GSE SYSTEMS NAMES PHILLIP M. POLEFRONE
SENIOR VICE PRESIDENT OF WORKFORCE SOLUTIONS**

Sykesville, MD – October 31, 2011 - GSE Systems, Inc. (“GSE” or “the Company”) (NYSE Amex: **GVP**), a global energy services solutions provider, today announced that Phillip M. Polefrone has joined the Company as Senior Vice President of Workforce Solutions. Mr. Polefrone will be based at GSE’s corporate headquarters, and will be responsible for developing and implementing the Company’s strategic plan to address the training needs of the global energy (nuclear and non-nuclear) workforce.

Mr. Polefrone brings more than 35 years of military and private-sector engineering, management and operating experience to GSE. Prior to joining the Company, he served as Director of Training and Human Resources for UniStar Nuclear Energy, focused on developing a fleet of advanced, standardized nuclear energy facilities for the United States market. Prior to that, Mr. Polefrone was Operations Director at the Institute of Nuclear Power Operations (INPO) where, among other things, he led a staff of 24 nuclear plant operations evaluators, and was a plant evaluations Team Manager for INPO and the World Association of Nuclear Operators (WANO). While on loan from INPO, Mr. Polefrone was assigned to the Comanche Peak nuclear facility in Texas for an 18-month period that resulted in the plant achieving its best-ever station performance.

Mr. Polefrone’s 26 years of military experience includes: Commanding Officer of the USS Oklahoma City; Director, Navy Special Access Programs Assessment Division; and Commanding Officer, Naval Nuclear Power Training Unit, where he led Navy-wide nuclear training for 11 carriers and 110 submarine crews. Mr. Polefrone is a graduate of the United States Naval Academy, where he earned a B.S. in Engineering, the Naval Nuclear Power School, and the Naval War College. He received his M.B.A. from The Citadel and an M.S. in Engineering Management from The Catholic University of America. He also holds United States Commercial Nuclear Senior Reactor Operator Certification for the Westinghouse 3 Loop PWR.

Jim Eberle, Chief Executive Officer of GSE, commented, “Phil brings an uncommon blend of experiences to his new role, and we welcome him to GSE. Key to our growth and diversification strategy is developing products and services that will help the energy industry address its workforce challenges. As energy demand continues to rise, the availability of qualified energy operations professionals remains a growing industry concern. Driven by an aging national and global demographic, it is estimated that retirement and attrition will require that 40-50% of the U.S. nuclear and non-nuclear energy operations workforce may need to be replaced in the next five years. Under Phil’s leadership, we will continue to actively pursue opportunities in areas such as training new employees, providing ongoing education for more seasoned professionals, and staffing.”

ABOUT GSE SYSTEMS, INC.

GSE Systems, Inc. provides a wide range of simulation and training solutions to the global energy (nuclear and non-nuclear) industry, and is the world leader in nuclear simulation. The Company has over four decades of experience, more than 1,000 installations, and hundreds of customers in over 50 countries spanning the globe. Our software, hardware and integrated training solutions leverage proven technologies to deliver real-world business advantages to the energy, process, manufacturing and government sectors worldwide. GSE Systems is headquartered in Sykesville (Baltimore), Maryland, with offices in St. Marys and Augusta, Georgia; Tarrytown, New York; Madison, New Jersey; Chennai, India; Nyköping, Sweden; Stockton-on-Tees, UK; and Beijing, China. Information about GSE Systems is available via the Internet at <http://www.gses.com>.

FORWARD LOOKING STATEMENTS

We make statements in this press release that are considered forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934. These statements reflect our current expectations concerning future events and results. We use words such as “expect,” “intend,” “believe,” “may,” “will,” “should,” “could,” “anticipates,” and similar expressions to identify forward-looking statements, but their absence does not mean a statement is not forward-looking. These statements are not guarantees of our future performance and are subject to risks, uncertainties, and other important factors that could cause our actual performance or achievements to be materially different from those we project. For a full discussion of these risks, uncertainties, and factors, we encourage you to read our documents on file with the Securities and Exchange Commission, including those set forth in our periodic reports under the forward-looking statements and risk factors sections. We do not intend to update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise.

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