

GSE Systems Selected to Receive Gain Nuclear Energy Voucher for Advanced Nuclear Technology Innovation

SYKESVILLE, Md. –

GSE Systems, Inc. (GSE or the Company) (NYSE MKT:GVP), the world leader in real-time high-fidelity simulation systems and training/consulting solutions to the power and process industries, today announced that it was awarded a nuclear energy voucher from the Gateway for Accelerated Innovation in Nuclear (“GAIN”). GAIN is an initiative focused on accelerating the innovation and application of advanced nuclear technologies.

GSE’s winning proposal to GAIN was to partner with Idaho National Laboratory (“INL”) to study *Human Factors Engineering for the Move to Digital Control Systems – Improved Strategies for Operations*. Specifically, GSE and INL have recognized the potential for improvement in plant performance and safety that can be achieved through migrating from current analog panel interfaces to digital piping and instrumentation diagram (“P&ID”) interfaces.

INL is the ideal national laboratory to conduct this work, as it currently has facilities equipped with GSE’s Generic Pressurized Water Reactor (“GPWR”) simulator. The GPWR plant simulator provides the means to conduct thorough and reliable experimentation with both analog panel and digital P&ID-style interfaces. The results of the proposed experimentation should further the industry’s understanding of the benefits and challenges involved in migrating and upgrading plant control interfaces and the strategies for doing so.

“This project will contribute to advancing nuclear energy deployment by enhancing performance and safety, reducing operations cost, and may lead to bringing new products to market by GSE and industry,” explained GSE’s Chief Technology Officer, Dr. Bahram Meyssami. “The scenarios and interfaces used in this effort will be made available to existing and future GPWR users, including universities and training facilities. This project will provide benchmarks for operator performance using generic digital interfaces that can be used in evaluating new control and operations strategies for new plant and human-machine interface (“HMI”) product designs. In addition, the evaluation criteria could be used by regulatory bodies when evaluating new plant and HMI strategies.”

Kyle Loudermilk, GSE’s President and Chief Operating Officer, said, “The

fact that GSE was selected by such a prestigious national nuclear laboratory demonstrates the value GSE's technology provides as a path to accelerate innovation for the industry."

"DOE's Office of Nuclear Energy established GAIN to provide the nuclear innovator community with assistance to address a range of technology needs," said GAIN Director Rita Baranwal. "Through these vouchers, GAIN encourages accelerated nuclear technology innovation and promotes progress in the private sector." [1]

To read the full abstract visit <http://bit.ly/2f2oFSP>.

[1] Gateway for Accelerated Innovation in Nuclear. *GAIN Announces Second Round of Nuclear Energy Voucher Recipients*. N.p., 26 June 2017. Web.

<<https://gain.inl.gov/SiteAssets/Teresa/GAIN%20Announces%20Second%20Round%20of.pdf>>.

ABOUT GSE SYSTEMS, INC.

GSE Systems, Inc. is a world leader in real-time high-fidelity simulation, providing a wide range of simulation, training and engineering solutions to the power and process industries. Its comprehensive and modular solutions help customers achieve performance excellence in design, training and operations. GSE's products and services are tailored to meet specific client requirements such as scope, budget and timeline. The Company has over four decades of experience, more than 1,100 installations, and hundreds of customers in over 50 countries spanning the globe. GSE Systems is headquartered in Sykesville (Baltimore), Maryland, with offices in Huntsville, Alabama; Chennai, India; Nyköping, Sweden; Stockton-on-Tees, UK; and Beijing, China. Information about GSE Systems is available at 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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