

GSE Systems' Latest Simulation Platform Selected by a Major Client as Fleet Solution for Nuclear Operator Training Simulators

SYKESVILLE, Md. –

GSE Systems, Inc. (GSE or the Company) (NYSE American: GVP), the world leader in real-time high-fidelity simulation systems and training/consulting solutions to the power and process industries, today announced that its latest simulation platform, OpenSim™ 7.0, is being implemented as a fleet solution across all nuclear plant sites for an existing client operating in the southern United States.

Standardizing on the new platform will enable the utility to optimize future simulation engineering work across its fleet of plants and more easily integrate future digital systems.

GSE's latest enhancements in OpenSim 7.0 leverage GSE's common simulation engine that serves as the backbone of many nuclear power plant training simulators in use today in the United States and internationally.

The GSE platform provides out-of-the-box support for:

- **Connectivity:** OPC¹ and third party Distributed Control Systems (DCS)
- **Engineering Simulation:** GSE's high-definition executive (HDX client/server) simulation engine supports advanced simulation codes such as Idaho National Laboratory's (INL) RELAP5-3D and the Electric Power Research Institute's (EPRI) MAAP
- **Performance Monitoring:** advanced monitoring and trending package via JDashboard™

The new configuration for OpenSim 7.0's kernel supports OPC¹ data transfer connectivity and HDX client integration. When clients add a new DCS, the communication protocols are already built into the OpenSim 7.0 simulation engine – which allows a simple configuration to get the system up and running.

The addition of HDX client and server routines enables OpenSim 7.0 to connect easily with advanced codes such as GSE's RELAP5-HD®, EPRI's MAAP (via GSE's PSA-HD™, DesignEP®), Studsvik's Simulate-3 Real-time code

(S3R) and others.

JDashboard is a GSE tool for advanced monitoring and trending. In addition to monitoring simulator variables, JDashboard can evaluate user-defined expressions during runtime. The tool also offers more control over modules to help speed up debugging by allowing simulation engineers to control module execution in a variety of ways during run time. Finally, enhanced functionality enables real-time performance and CPU load balancing, which is especially important for monitoring and reporting on advanced engineering codes.

Bahram Meyssami, GSE's Chief Technology Officer said, "The OpenSim 7.0 simulation engine is a leap forward for OpenSim installations, allowing customers to take advantage of GSE's technology innovation to easily integrate third party systems and advanced (industry-accepted) codes. With such integration capabilities, customers can increase the fidelity of their existing training simulator and expand their use of our technology to leverage the nuclear plant simulator asset for engineering purposes, beyond the traditional training use. GSE continues to develop and unify several of our key existing technology innovations across our product portfolio to benefit all of our installed user base and future customers."

TRADEMARKS

OpenSim™, JDashboard™, RELAP5-HD®, PSA-HD™, and DesignEP® are trademarks of GSE Systems, Inc. All other trademarks are the property of their respective owners, and GSE makes no claim to such marks or the products to which they pertain.

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; Navarre, Florida; Chennai, India; Nyköping, Sweden; Stockton-on-Tees,

UK; and Beijing, China. Information about GSE Systems is available at www.gses.com.

ABOUT EPRI

EPRI (www.epri.com)

conducts research and development relating to the generation, delivery and use of electricity for the benefit of the public. An independent, nonprofit organization, EPRI brings together its scientists and engineers as well as experts from academia and industry to help address challenges in electricity, including reliability, efficiency, health, safety and the environment. EPRI does not endorse any third party products or services. Interested vendors may contact EPRI for a license to MAAP5.

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.

¹ OPC, an industry standard communication protocol, is widely used for DCS and other external system communications.

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Company Contact

GSE Systems, Inc.

Chris Sorrells,

410-970-7802

Chief Operating Officer

or

The Equity**Group Inc.**

Kalle Ahl, CFA, 212-836-9614

kahl@equityny.com

or

Devin

Sullivan, 212-836-9608

dsullivan@equityny.com