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AT THE COMPANY

John V. Moran
Chief Executive Officer

FOR IMMEDIATE RELEASE

GSE Systems Announces Over \$5 Million of New Work in the Nuclear and Non Nuclear Power Simulation Sectors

Japanese Nuclear Simulator Contracts are Finalized

Sykesville, Maryland, July 1, 2009 -- GSE Systems, Inc. (GSE) (NYSE Amex – GVP), a leading global provider of real-time simulation and training solutions to the power, process, manufacturing and Government sectors, announced the recent award of over \$5 million of new work in its nuclear and non nuclear simulation business sectors.

The nuclear awards are for major upgrades to existing simulators in the US and Mexico. In addition, the Company received a letter of intent for its eighth contract to implement its state of the art thermal hydraulic modeling tool, RELAP5-HD™, for a simulator in Europe. RELAP5-HD™ more closely replicates pressures, temperatures and flows in the Reactor Coolant Systems of nuclear plants than possible with earlier generation tools, and accomplishes this in real time while allowing engineers the ability to interactively monitor or plot a number of internal variables.

The non-nuclear awards are for both new and existing fossil fueled plants located in the US and the UK. For the US plant, the need for a simulator is being driven by the addition of emission control systems required to meet new federal, state and local regulations.

In addition to these new awards, GSE has recently finalized contracts for the two new full scope Japanese simulators which were announced in the Company's June 24, 2008 Press Release. With formal contracts now in place, the approximate \$10 million of remaining value will be included in the Company's June 30, 2009 contract backlog.

John V. Moran, GSE's Chief Executive Officer commented, "I am very pleased to announce that we continue to experience a steady stream of both new and existing customers investing in our latest technologies. While the conversion of the Japanese contracts from "implied" backlog to "official" contract backlog was expected, the total value of the contracts were slightly larger than anticipated. In addition, our steady flow of RELAP5-HD™ installation contracts indicates a general acceptance of this tool as the thermal-hydraulic tool of choice in the nuclear sector. We anticipate a steady flow of new RELAP5-HD™ orders as the year progresses."

GSE Systems, Inc. provides training simulators and educational solutions. The Company has over three decades of experience, over 349 installations, and 100 customers in more than 40 countries. 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, Maryland located in the western suburbs of Baltimore, Maryland. Our global locations include offices in St. Marys and Augusta, Georgia; Tarrytown, New York; Sweden and Beijing, China. Information about GSE Systems is available via the Internet at <http://www.gses.com>.

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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