Malaysian LNG Plant to Use GSE Operator Training Simulator (OTS) Prior to Plant Commissioning
OTS will be used for control system validation and operator training ahead of startup

Through our partnership with Emerson Malaysia, that was named the main automation contractor by the project’s engineering procurement contractor JGC, GSE will be delivering a full-scope of the OTS to PETRONAS, Malaysia’s fully integrated petroleum company. The full-scope simulator was required as part of the expansion of the PETRONAS LNG Complex in Bintulu, Malaysia, one of the world’s largest LNG production facilities in a single location.

The complex currently has eight production trains and a combined capacity of 25.7 million tonnes per annum. The introduction of the ninth train, scheduled for startup at the end of 2015, will provide additional capacity of approximately 3.6 million tons of LNG per year.

Using GSE’s JPro™ process simulation software, the OTS will simulate the entire LNG liquefaction cycle, including gas treatment, liquefaction, and fractionation. JPro will test and validate Emerson’s DCS prior to plant commissioning, allowing PETRONAS to identify areas of issue in the control logic and begin initial controller tuning.

By having a full-scope OTS prior to plant commissioning, PETRONAS hopes to have the plant come online ahead of schedule and avoid DCS-related shutdowns during the commissioning phase.

GSE previously delivered a full-scope OTS to Dominion’s Cove Point LNG plant in 2010 as a subcontractor with Emerson Process Management.
About GSE Systems

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.

Information about GSE Systems is available at www.gses.com.

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