

## PRESS RELEASE

### ***FOR IMMEDIATE RELEASE***

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Contact: [info@us.yokogawa.com](mailto:info@us.yokogawa.com)

Contact Phone: 1-800-888-6400

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### **Yokogawa Corporation of America releases low priced Operator Training Simulator (OTS) for Centum VP and CENTUM CS 3000 users**

Yokogawa Corporation of America Education Center is proud to announce its partnership with Cape Software to provide affordable and expandable operator training simulators (OTS) aimed at enhancing the skills and knowledge of Yokogawa Centum VP and CENTUM CS 3000 users.

Cape Software has created operator training simulators for Yokogawa (and other manufacturer's) control systems for over 15 years. The partnership provides for a medium fidelity simulator using a "building block" approach tightly integrated towards the Yokogawa Distributed Control CENTUM platform that provides a greater degree of affordability for training simulation.

The functionality of the OTS includes:

- Training operators in control terms, concepts, screen navigation and responding to alarm situations and other process scenarios.
- Ability to create manual process upsets during operator training and measure operator reaction.
- Adjusting the amount of "process noise" in process loops to practice loop tuning.

That results in:

- Increased operator confidence in their abilities to respond to process conditions, and
- Preparedness of plant personnel in the usage of the CENTUM control system.

### **Additional uses and options**

The standard off-the-shelf OTS offering provides for all hardware and software for Centum VP or CENTUM CS 3000 basic Human Interface Station (HIS) operation and engineering software with pre-built graphics and control capabilities, plus Cape operator training simulator for the OTS that includes selected generic process with basic operation procedures plus OTS functional guide materials at a greatly reduced cost.

Using the “building block” approach, users can add selected plant/process controls plus graphics as they are needed.

In most instances users wish to use their own process and scenarios to train existing and new operators and engineers. The OTS can be customized to the site and be used for de-bugging graphics, control program changes and new process loops before integration into the operating Centum VP or CENTUM CS 3000 system. This includes using the installed graphics and control strategies in place. The OTS response can then be modeled to the actual process dynamics.

This provides for

- More personnel can help with testing of process graphics and control programs
- Certification and benchmarking programs can be provided for operation personnel.
- Plant DCS engineers are provided a “practice plant” to make control application changes safely and without consequences.
- Additional software packages matching the current configuration can be added at anytime
- The OTS can be easily updated to match the current revision of the CENTUM system software.

For high fidelity simulation, Yokogawa offers Omega Land - an integrated environment of dynamic simulation that consists of functional modules including a visual modeler for high-speed, rigorous simulation. Omega Land provides for process analysis and examination,

operator training, and optimization utilizing such functions as snapshot and stepback, time acceleration, historical playback, and scenario functions.

Thus, Yokogawa Corporation of America can offer a series of scalable OTS solutions best suited to the level of fidelity desired. The sizing and scope of the OTS is strictly up the user.

Ask your salesman to set up a WebEx demonstration or contact the Education Center directly at 281-340-3800.

The operator training simulator will help your personnel learn basic process control in a more efficient and economical manner.

### **About Yokogawa Corporation of America**

Yokogawa Corporation of America is the North American division of \$3 billion Yokogawa Electric Corporation, a global leader in the manufacture and supply of instrumentation, process control, automation services and solutions. Headquartered in Sugar Land, Texas, Yokogawa Corporation of America offers a variety of clients with leading products on the market such as process analyzers, flowmeters, transmitters, controllers, recorders, data acquisition products, measuring instruments, distributed control systems, and more. For more information about Yokogawa, please visit our website [www.yokogawa.com/us](http://www.yokogawa.com/us).