Management says, “Think outside the box. Find new ways to compete in the global marketplace. Change the way you do business.”

What have we done with simulators? With the Windows® PC platform we have been able to move the simulator into the classroom. But how does the user control the simulator? With generally the same instructor station methods that have been used for the last decade. It is time for a new way of thinking…it is time for SmartTutor.

GSE Systems SmartTutor provides new instructor station capabilities to help you improve training methodologies and productivity. Using Microsoft® ActiveX™ controls, SmartTutor lets you control the simulator software directly from your Microsoft Office products. You can run training scenarios directly from a Word document or plot data and show transients live within a PowerPoint® slide.

Benefits

With SmartTutor you don’t have to learn a proprietary software platform to run a simulator. If you can point and click, you can run a scenario. You can now easily broaden the user base of your simulation investment.

- Give the simulator to students on a notebook computer for self study with pre-programmed lessons
- Build simplified scenarios for technical training using your high-fidelity simulator model
- Teach in the classroom using live transient data in place of static slides

Implementation

Anyone who can use the Microsoft Office products and knows something about simulator instructor station functions can build SmartTutor scenarios. No special programming is required.

Microsoft has already provided the menus for access to ActiveX controls from within their products. GSE Systems has added simulator specific controls for common functions such as run/freeze control, reset, inserting malfunctions, remote functions, and DCS I/O overrides, and displaying data in text or graphical form. The pop-up windows look very similar to the usual instructor station windows so instructors quickly become comfortable with developing within the Microsoft Office environment.

Pre-constructed scenarios could be used in the simulator, in the classroom, or in both. Eliminate dragging hard copy scenarios into the simulator...just animate the scenarios and run them directly off a file server. Scenarios can be controlled step by step or in one sequence like a computer-aided exercise.
Enhance the Classroom

Everyone has sat through less than stimulating lectures of transient analysis...discussing every bump and dip on a set of static curves. Why not run the transients live from PowerPoint? The instructor can start and stop the transient at will, vary the severity or take corrective actions interacting directly in the classroom.

The Possibilities

With SmartTutor and the power of the Microsoft Office suite, the possibilities are almost endless. Anything you can draw you can pop into PowerPoint. Consider control systems from a P&ID. Operate equipment from a photograph. Anything you can put into PowerPoint you can animate with our ActiveX controls.

Don’t just find another way to break out of the box... throw away the box. Find real solutions to improve instruction while enhancing the benefit of your simulation investment. With SmartTutor from GSE Systems...take your simulator to the extreme!