Your automation system is continually evolving. Do you have the resources to keep up?

"Operator training simulation (OTS) has been shown to prepare operators better for abnormal events and help avoid disasters. Yet 22 percent of industry survey respondents said they do not use OTS because of high maintenance needed to keep up to date."

ARC: Strategies for Operator Training Simulators, February 2014

What if you could...

- consolidate all your workstations to run on just a few host servers, reducing maintenance, footprint and replacement costs?

- simplify upgrades and make your hardware and software updates independent?

- consolidate multiple training and development systems on a single platform?

- recover from computer failures in a matter of minutes rather than hours?

- easily create new virtual workstations with no prior virtualization experience?

Your control system workstations need periodic upgrades, but traditionally, these can be complicated and may require system downtime. New software may require additional testing and expensive new hardware. In short, control system changes can be tedious, time-consuming, and expensive. This complexity and expense is multiplied if you have dedicated systems for development, testing and training personnel; systems which are an additional drain on your resources and occupy valuable space.

The bottom line is that you rely on your automation system to deliver big benefits to your process, and you must ensure your system is available and up to date. Is your system obsolete? Are you protected if you have a system failure or catastrophic event? Are your backup systems fully up to date to enable a quick system recovery to keep your process running or minimize downtime? Do you have the expertise to manage and maintain your system?

WORKSTATION LIFECYCLE COSTS ARE TOO HIGH

You spend a lot of money on control system workstations. Maintaining and upgrading them can be disruptive to your process. Computer hardware and software are continually changing. Spare parts and backup machines become obsolete before they're ever used. Keeping your systems on-line and up-to-date adds to your system lifecycle costs.

MAINTAINING DEVELOPMENT AND TRAINING SYSTEMS IS COSTLY

Your engineering center has to train operators and support multiple off-line automation systems for development and testing. That's a lot of hardware taking up a lot of space. And because the systems are often on different hardware and software releases, keeping older hardware current and compatible with new software releases can be an ongoing struggle. As a result, you spend a lot of time, effort and money to set up, tear down, and modify your automation system every time you do an update.

LACK OF RESOURCES TO ENSURE AVAILABILITY AND RECOVERY

Your control system is crucial for the operation of your plant. You cannot tolerate downtime, but don't have the resources to operate and maintain complex backup systems.

EMERSON™
Process Management

REDUCE IMPLEMENTATION AND MAINTENANCE COSTS

DeltaV™ Virtual Studio enables you to reduce the number of physical computers you must maintain, and makes it easier to replace hardware or update software when needed. With DeltaV Virtual Studio, you can easily configure your virtual networks and create DeltaV virtual machines using prebuilt virtual machine templates.

DESIGNED FOR AUTOMATION ENGINEERS

DeltaV Virtual Studio is designed specifically for virtualization of process control systems, with a workflow and feature set that automation engineers can easily understand and use. Every DeltaV virtual machine you create comes with all the standard operating system settings and network connections to ensure consistent, error-free configuration and implementation.

HIGH AVAILABILITY AND FAST RECOVERY REDUCE SYSTEM DOWNTIME

DeltaV Virtual Studio high availability and disaster recovery options help you minimize downtime from disruptive events. Recover from hardware or software failures in a matter of minutes-- not hours or days. Minimize downtime for system maintenance with live migration of critical applications from affected hardware. With a layered approach for backup and recovery options, you can pick the level of availability your system needs.

"Time savings alone in system management may be worth the cost. I needed floor space, so it was definitely a cheaper option than doing construction."

Projects Automation Manager, Global Oil and Gas Company

For more information, contact your local sales office or visit:
www.EmersonProcess.com

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