



Get a real-time view of your process securely – anytime, anywhere.

Improve transparency and allow users the right level of access to process control graphics.

Good ideas to improve your automation process can come from almost anyone in the organization. Sharing process information is a gateway to ideas. But when people outside of the control room ask for access to process information, how do you provide it?

The choices available to provide outside access to the control system are less than ideal. You could remotely locate an operator station, but this option could provide too much power to the users. You could enable remote terminal server sessions, but this can be counter to modern cybersecurity best practices such as those described by ISA 95. Or you could purchase third-party applications, but how will you ensure easy conversion and long-term compatibility?

On a recent industry survey, over 76% of respondents say, they would like to remotely access the DCS every day.

— Emerson Survey, 2015

The following situations might indicate you need to consider a better solution than people walking into the control room to look over the shoulders of operators.

User Account Access — If the distributed control system (DCS) operator interface is the only point of access for a user to view process information, users might have more power than they should have or need. Maintaining a customized remote desktop environment for users can be expensive and work against cybersecurity initiatives.

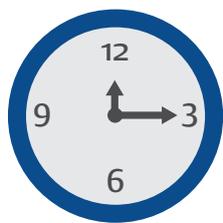
Hard-to-Convert Graphics — DCS graphics carry invaluable information that provide a live blueprint of the plant; but because individual graphics are very detailed, reproducing them in an outside system is time consuming. Whether duplicating the content to a read-only system, off-the-shelf tools, or PI ProcessBook, you must painstakingly transfer information such as alarm limits and data paths.

Lack of Expertise in System Cybersecurity — For cybersecurity purposes, external users should only have as much access as they absolutely require. For most users, that means a read-only view with limited functionality. Sophisticated firewall management is difficult and requires a level of expertise not often available to process facilities. This is too important for the trial-and-error work of configuring firewall ports used in many industry communication standards like OPC.

Efficiently Open a Window to Actionable Process Information

To assist organizations struggling with issues related to information access and process improvements, Emerson developed DeltaV™ Executive Portal. Using Executive Portal WebView, users can view and analyze enterprise-wide information from anywhere in an easily integrated, safe, and secure environment — ultimately tracking the pulse of the plant.

DeltaV Executive Portal provides users web-based access via Internet Explorer from practically any PC. A DeltaV graphic conversion tool couples with Web Studio a graphics editor to provide easy deployment of relevant information. In addition to converted DeltaV displays, KPI dashboards and displays can include information from multiple DeltaV systems and other OPC data sources.



DeltaV Executive Portal brings process control information to people throughout your organization who can use it to improve operations and profits.

Welcome Users to an Information-Rich Environment

DeltaV Executive Portal creates an environment where users have the tools they need for digging deep into information to find issues and develop improvements. From a web-based viewer on a PC or windows tablet, users have read-only access to DeltaV process displays — viewing event chronicle and alarming, and accessing historical process trends. All data can be accessed remotely via a secure corporate virtual private network (VPN).

Users can bring in data sources from multiple DeltaV systems and any OPC-compliant system. For example, through trends that combine data from both DeltaV and third-party systems, personnel can see issues based on data from the site or other areas of the facility. In fact, OPC tags can be used anywhere DeltaV tags are used, from graphics to dashboard gadgets.

Save Time by Automating Graphics Conversion

As you set up this extensive access you are guided by an import assistant that tracks which graphics have been updated and which need to be reimported. The assistant walks you through selecting folders, displays, and settings prior to conversion. While you choose the displays to be converted, global files are automatically converted. After conversion, log files tell you of any issues during the conversion process. Reducing the amount of rework, DeltaV Executive Portal graphics converter ensures your interface stays in-sync with updated DeltaV Operate graphics.

So that users can design their own dashboards, gadgets (dials, gauges, tables, and trend graphs) can be dropped onto dashboard pages in real-time by the end user. Through the use of aliases, the actual values displayed on screen are added at run time and can be modified easily.

Further simplifying the configuration experience, from a single control panel, you easily manage users' accounts using pass-through Windows authentication; have access to a license manager and database backup; and troubleshoot via verbose logging.

Be Confident in Cybersecurity

Cybersecurity encompasses many levels of DeltaV Executive Portal. For example, at the user level, the data is provided in a read-only view so that it is not possible to modify a set point or module mode. Executive Portal automatically uses high-level encryption so that process data is safe and protected — not accessible to others on the network. Executive Portal also authenticates against using existing corporate login and domain-user names.

The architecture built around Executive Portal is secure, uses HTTPS security with SSL Certificates, and complies with industry best practices for network architecture, such as the ISA 95 model. Sitting on the Level 3 Network, Executive Portal may lie within the DMZ (Demilitarized Zone) with multiple firewalls between the DeltaV system and up to the enterprise network.

Emerson gives you access to our expertise in setting up the secure environment. You or your IT department will get the information you need right away with a few firewall ports. And because Emerson speaks IT language, we can assist in providing the right information to configure any firewalls.

Contact Emerson to Empower Personnel in a Secure Environment

Improvements to operations and profits are available to organizations that transparently share information among groups and stakeholders. Reduce barriers and eliminate data middlemen. Contact Emerson for tools and experience that provide answers and for solutions that bring profits.

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