



Technology Update: PHS High Performance Operator Graphics Enhanced with 3D Rendering

High performance graphics combined with 3D rendering deliver optimum readability and performance for the ultimate operator experience.

The universal demand for process safety and productivity puts a high value on a very small yet critical piece of real estate in your control room: the operator screen. Maintaining operator awareness and efficiency was the number one goal of PHS team while developing our updated graphics standards.

Convert your existing flat graphics to our new 3D rendered operating environment.

In creating an effective and efficient work environment for operators, graphics design engineers must consider how to attract a person's attention, the impact of colors and shapes on perception, and the role patterns play in helping a person quickly scan and process information.

A high performance human-machine interface (HMI) leads to improved operator productivity and situational awareness. The result is enhanced control system effectiveness and safer, more efficient plant operation. As facilities and processes become more and more complicated, the operator takes on even greater responsibility and needs the right tools to support this high level of performance.

High quality graphics and 3D renderings create an environment where your operators – and your operations – can thrive.

Improve Response Time with Increased Readability – If your operators must scan through multiple graphics to check the state of the process, they are wasting valuable minutes that could be spent resolving issues. Greater visibility will enable your team to more quickly identify – and react to – a change in your process. In addition to identifying the change, easy-to-read and understandable graphics also empower operators to see the bigger picture of where the change or upset started and how it ripples through the process. When operators are better equipped to respond, they can optimize the process, and key performance indicators (KPIs) are readily available and easily understood.

Elevate Operator Awareness with Accessible Information – The operator workstation is the window to your process, and it must clearly help the operator assess important process conditions. Operator awareness increases significantly when the information, process values and indicators on screen are easily discernable. High quality graphics empower the operator to focus on relevant information among the flood of data. These details should drive action that promotes effectiveness and reduces error. If the operator cannot quickly recognize when the process is drifting, the opportunity to react is missed and safety can be jeopardized.

Graphics Visibility Promotes Understanding

Operators can only work with items they can see and interpret. PHS understands this challenge and has developed high performance graphics that are designed to magnify the operator's ability to see and process facility operations quickly and efficiently.

Causes of Plant Incidents

