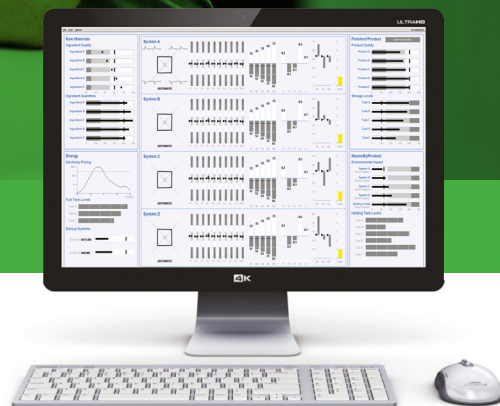




Situational awareness for operators

EcoStruxure Foxboro DCS Control HMI



Product at a glance

Situational awareness HMI and need-based services designed to:

- Provide operational insight for increased plant performance and safety
- Improve site production — reduce downtime by identifying and resolving issues before they cause trips
- Improved site safety — identify and resolve issues before they cause accidents
- Improved product quality — increase operator efficiency

Operations in context

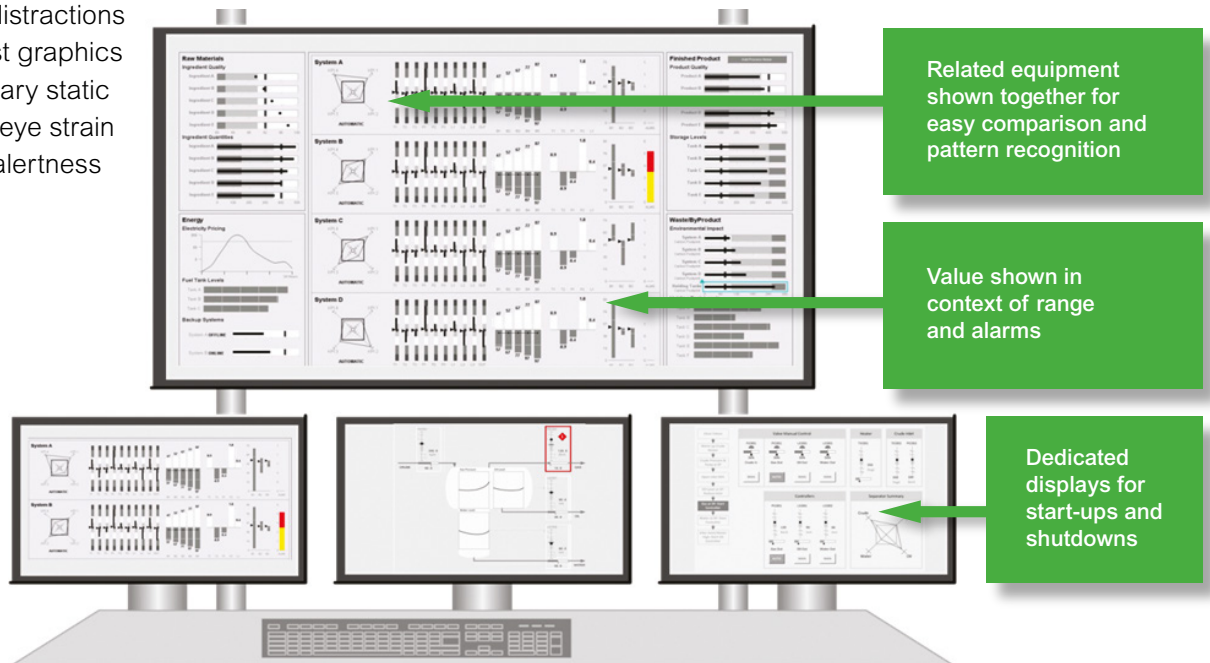
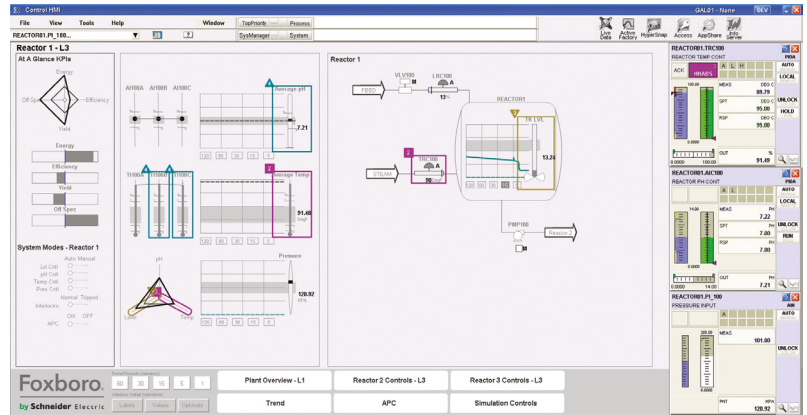
Drive plant performance and safety with a control room environment that deploys the best operators possible in any situation. EcoStruxure Foxboro DCS™ Control HMI and proven situational awareness capabilities reduce operational error, improve awareness, and identification and resolution of abnormal situations. Ultimately they increase the operational insight of your people and protect the operational integrity of your plant.

Decades of customer experience, extensive work with industry standards and human factor research have resulted in a proven situational awareness offering that brings intelligent design and best practice application to your control room for increased plant performance and safety.

Empower operators with information vs. data

Foxboro DCS Control HMI features situational awareness graphics to minimize distractions in normal operation to more readily call attention to situations requiring intervention. Operators receive a broad view of plant operations, with carefully designed advanced visualization objects such as polar stars and informational analog indications, delivering information, not data, to operations.

- Pattern recognition to easily identify problems
- Colors reserved for abnormal operational states, ensuring they stand out
- Values presented in the context of ranges and set points, providing meaningful information vs. data
- Minimal visual distractions and low contrast graphics — no unnecessary static detail reducing eye strain and improving alertness



Put the Human back in HMI

Your HMI is only effective with a well-designed control room, well-trained and alert operators and managed in a controlled manor.

Factors affecting the control room include:

- Console ergonomics
- Screen, video wall positions and sizes
- Lighting and brightness
- Visual distractions
- Procedural distractions
- Efficiency of emergency procedures

Factors affecting personnel include:

- Shift patterns vs. sleep deprivation
- Shift durations and effectiveness
- Workloads
- Training and ease of adoption of new processes
- Supporting multiple platforms and systems types
- Brain drain — loss of experienced staff



Schneider Electric subject matter experts can help you apply varying degrees of detailed design processes to your plant to provide a situational awareness solution which delivers improvements but still be within your budget and schedule. We can lead or mentor these processes for your project, depending on your needs:

- Workshops on latest theory and processes
- Review existing site HMI and control rooms
- Lead HMI and control room projects with end users
- Performance metrics help analyze existing solutions

Increase Plant Performance and Safety

Foxboro DCS control HMI and situational awareness services can help protect the operational integrity of your plant, enhance the operational insight of your people, and enable you to adapt easily and affordably to change.

se.com/processautomation

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Electric™

Schneider Electric
70 Mechanic Street
Foxborough, MA 02035 USA
+1 877 342 5173