

Project Brief...

WFI Controls Optimization

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A major pharmaceutical company required improvement in the control of the facility utilities. Operators contend with three different utility systems, which made facility control and monitoring difficult.

QSPEC Solutions analyzed the three systems and developed a recommendation for the combination of multiple Allen-Bradley control architectures to provide a single operator platform for control purposes. In addition, process improvements were identified for the sanitization of the WFI distribution systems.

QSPEC Solutions provided updated Functional Specifications, fully implemented the system, and assisted in validation.

Solution Overview

Requirements

Optimize utility management and simplify operator controls

Solution

Consolidate the three HMI applications into one.

Optimize the controls for the AWFI sanitization.

Provide necessary documentation for FDA validation and assist with the validation process.

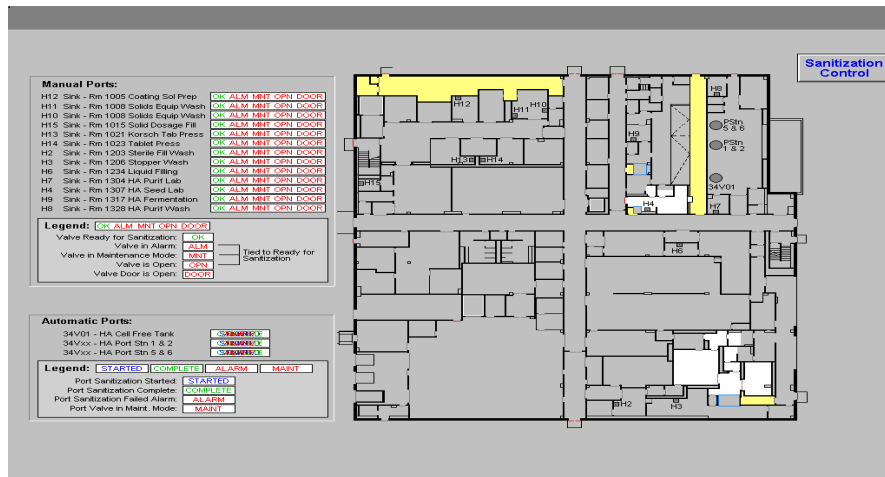
Results

Reduced downtime

Easier for operators and maintenance to use and maintain

Application accessible from any HMI station in the facility

Improved alarming



The upgraded system was installed during a weekend shutdown and production commenced without difficulties. These modifications made the application easier for operations and maintenance personnel to use and reduced downtime by making the system accessible on HMI stations throughout the facility. QSPEC Solutions' project and design methodology, along with our pharmaceutical experience and knowledge of automation and validation, made this project a success.

