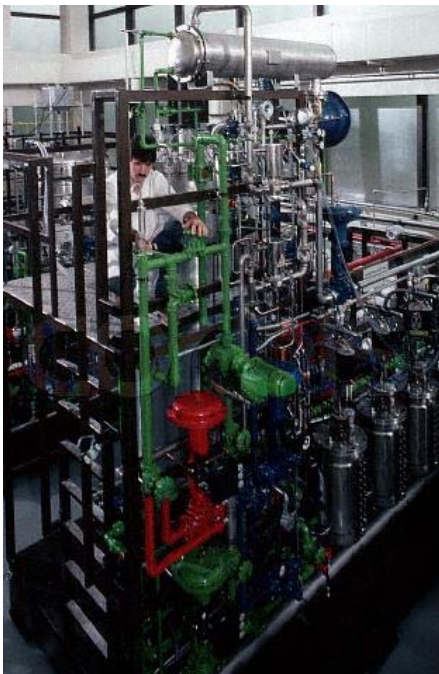# Project Brief...

Pharmaceutical Batch System Upgrade

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QSPEC Solutions' client is an integrated pharmaceuticals manufacturer. The client's existing Wonderware InBatch Servers required upgrading to meet regulatory requirements. Two S-88 compliant Batch systems that control and document a compounding and an API bio-fermentation process and the associated HMI systems were upgraded.

QSPEC Solutions' role in this project was to provide Wonderware product expertise, system design expertise and controls system implementation.

The subject system consists of 2 Wonderware InBatch Servers, 18 Wonderware InTouch nodes, 11 AB SLC 5/04 controllers, a Wonderware InSQL Server and a Microsoft SQL Server.

Our client required downtime be minimized and scheduled in advance. Software and hardware upgrades and system configuration modifications all required testing and validation.

Solution Overview

Requirements

Upgrade Batch Server to meet regulatory requirements.

Solution

Wonderware's InBatch, InSQL and InTouch automation software upgraded to current revisions. Individual applications modified to utilize the new features.

Results

System upgrades were successfully accomplished over 2 facility shutdowns. Project timeframe - 8 months including validation
Facility is currently running with the newly upgraded and configured systems.

QSPEC Solutions' responsibilities included the client's critical change control documentation and process specification documentation (functional specifications, hardware and software design specifications). We performed software and hardware upgrades, application / recipe modifications and testing of the Batch system, the HMI and the PLC's. The project is complete and the system is in production.

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