

Chemistry Pilot Plant Control System Replacement Project UK



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Background

GSK Research and Development operate a Centre of Excellence for Drug Discovery at Stevenage, in the UK focusing on Respiratory and Inflammatory Diseases. The Chemistry Pilot Plant (CPP) was originally built in the 1980s and comprise 12 reactors plus common plant services.

A Scheme Design had been produced covering the upgrade of Modules of the CPP. GSK had specified that APACS DCS hardware platform should be used.

System Description

The Distributed Control System comprised 3 Redundant TagServers, 60 Client Workstations, one Historian and Engineering Workstation. There were 4000 Real I/O, 90.000 tags and 300 Mimics. The system was I.T. based utilising ProcessSuite and Siemens Formation tools.

Serck were awarded the overall contract comprising:

- Project Management
- CDM, Health & Safety
- Procurement
- Process Control System Supply
- Site Management
- Installation
- Testing & Validation
- Decommissioning

An implementation team was set up involving personnel based at both Serck and GSK premises. Budget and delivery aspirations were fully met.

Features

- 21 CFR 11 Compliance
- Extensive peer to peer control

Benefits

- Flexible Manufacture
- Ease of Validation
- Consistent User Interface