



Client : Bio Products Laboratories
Project : Upgrade and validation of a critical process control system

Value

£1.3M

Background

Bio Products Laboratory Ltd. (BPL) is a Government owned not for profit organisation which turns blood plasma in to a range of life saving products. It is committed to research and development to maintain a key position in a constantly changing market in the 21st century.

Requirement

BPL required an upgrade and validation of its critical blood plasma control system ensuring compliance with FDA21CFR11 legislation. The process would ensure future proofing and improved productivity.

Response

HFL implemented equipment enabling the entire process to be monitored and controlled using just two pairs of Schneider Telemecanique Modicon Quantum PLCs linked to 1400 I/O distributed around the plant's various processes. HFL configured an interface for use by operators using Monitor Pro SCADA software. The system incorporates a secure SQL-server database designed to comply with the FDA21CFR11 legislation, providing full traceability. HFL's planning ensured that much of the work was carried out prior to switching over to the new equipment ensuring that shutdown time was minimised. Throughout the installation process HFL ensured critical control of parameters, such as temperature, to ensure the process and all equipment installed was intrinsically safe.

Result

"The new system can be expanded and modified without disruption and BPL now has increased productivity and improved control performance with compliance to regulatory standards.

We have enjoyed an excellent working relationship with Haden Freeman. Potential problems were identified early and resolved quickly."

Project Manager
BPL

"We have a successful track record in implementing and managing control system requirements, including validating pharmaceutical applications such as the Bio Products Laboratory. Specialist planning allowed much of the work to be done prior to switching over to the new equipment, meaning the shutdown time and possibility of lost revenue was effectively minimised."

Stuart Dow
Technical Director
Haden Freeman Limited

