



# NEWFIELD AUTOMATION

SPECIALISTS IN INDUSTRIAL CONTROL SYSTEMS

## Case Study – ATEX Rated PLC/SCADA Control System Pharmaceutical Manufacturer in East Yorkshire

Newfield Automation Limited were approached by the main contractor to supply a Control System for a new pharmaceutical process.



The plant was split into a safe area containing the main control panel and hazardous Zone 1 & 2 area's containing a HMI and local control station/indication panel.

Intelligent control was provided by a Rockwell ControlLogix PLC utilising standard digital and analogue input and output modules and a Rockwell GuardLogix Safety PLC networked to SIL 2 safety digital input and output modules.

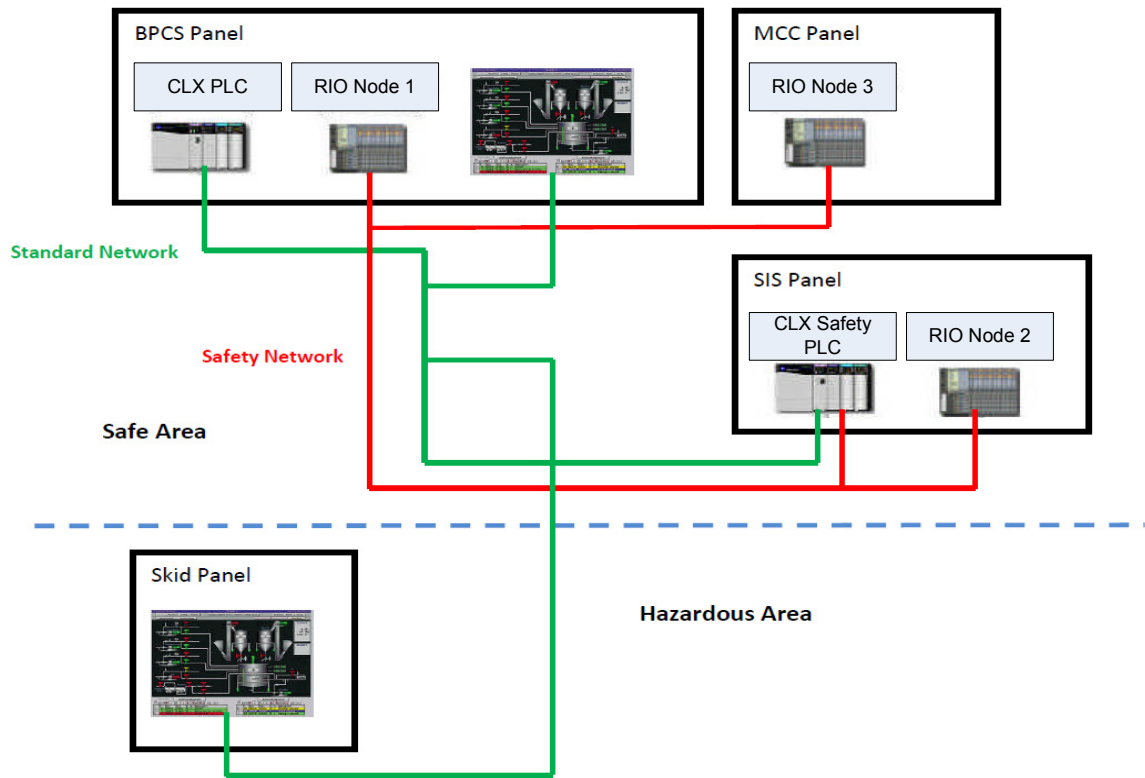
Visualisation of the process was via a Rockwell Factory View IPC based SCADA in the safe area and a Rockwell Ex Factory View IPC based SCADA in the hazardous area.

Hazardous area field devices were connected to the PLC via Pepperl & Fuchs K series barriers using the innovative Power Rail system and Endress and Hauser Nivotesters.



SIEMENS





The system was designed to provide semi-automatic batch process manufacturing to the SA88 standard.

Newfield Automation Ltd supplied a full Functional Design Specification at initiation of the project to ensure the customer's requirements were fully met.

Design was carried out in conjunction with the main contractor, including provision of cable schedules.

Panel manufacture was carried out at our in house facility, and prior to delivery the system was fully FAT tested to a pre-defined and agreed test regime which ensured commissioning time on site was kept to a minimum and project timescales were achieved.



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