

CASE STUDY: Hospira.



Contrast Electrics P/L was awarded the contract for the installation of a fully automated control system and electrical hardware for Hospira Pharmaceutical facility Mulgrave Victoria. This Project included the installation of PLC control system, Piltz emergency stop system. Installation of Intrinsically safe wiring and controls, Installation of motor and control wiring in zone 1 area. Installation of lights and emergency systems in zone 1 area. Intrinsically safe earth system and static earth system. This project presented several challenges as the existing facility must remain operational during the works with scheduled cut overs required outside production hrs. Due to the site being a pharmaceutical manufacturing plant stringent hygienic requirements applied.

All major components for this project were manufactured at Contrast Electrics P/L workshop in Laverton Nth. Contrast Electrics Delivered the system on time and to the complete satisfaction of the Customer.

Project requirements.

Install main PLC system consisting of

- Allen Bradley control logix system.

- Piltz safety PLC system.

- Intrinsically safe barriers.

- Variable speed drives.

Installation of wiring and controls for the following plant.

- Zone 1 Intrinsically safe instruments

- Wiring of ethanol pumps.

- Wiring of ventilation system.

- Wiring of gas detection system.

- Wiring of mixing room 8 tank filling system.

- Wiring of control valves.

- Wiring of mixing tank agitators.

- Wiring of CIP system.

- Installation of pneumatic controls.

- Installation of fume cabinets and fume ventilation system.

- Control wiring changes to existing Siemens PLC system.







