



CONTROL SYSTEMS WITH A DIFFERENCE I



CASE STUDY 4

Safety System Upgrade

An innovative solution to 'breathe new life' into a safety system that was difficult to operate, fault-find and maintain.

Client: Australian Paper in Maryvale

Project Title: Updating old safety systems to comply with current (AS4024) standards.

Background information

Australian Paper in Maryvale recently installed and commissioned refurbished machinery. The machinery combined forms their de-inking plant wetlap and baling line.

The safety system on the machine comprised of 10 stand-alone safety relays that did not provide the required level of safety as required by current legislation (AS4024).

Project Brief: To provide a cost effective, easy to operate safety system on refurbished equipment that is AS4024 compliant.

“ To develop a safety system for refurbished equipment that is easy to operate, fault-find and maintain. ”

Technical objective

PB Automation has been asked to provide a new system, that is a cost effective, reliable and easy to operate alternative.

- PBA is presently delivering a new solution that is based on the use of a single safety PLC. This solution will provide for all the safety aspects required on the machine.
- The existing safety system was difficult to operate, fault-find and maintain.
- The new safety system addresses each of these aspects by means of a structured and consistent electrical design, and software design. It provides operating and fault status (and location) to the operators by means of graphically displayed information on an HMI touch panel.

We are convinced that PB Automation's solution will exceed our client's expectations.



THE IMAGE ABOVE SHOWS THE SIMPLICITY OF THE NEW AS4024 COMPLIANT SAFETY CONTROL SYSTEM

THESE 3 IMAGES BELOW SHOW THE COMPLEXITY OF THE OLD NON COMPLIANT SAFETY CONTROL SYSTEM

