



BUNBURY INDUSTRIAL CONTROLS



Albany Plantation Export Company is an exporting agri-business located in the Great Southern region of Western Australia. APEC manages harvesting and processing of Blue Gum plantations to supply high quality woodchips for the Asian paper pulp market. APEC also processes timber for another local tree plantation company.

From APEC's base in Albany, Western Australia, APEC is leading the way in the production of quality

woodchips for the international paper market.

Bunbury Industrial Controls provide total control solutions that utilize the latest in automation technology.

Our engineering team has experience in a wide range of industries and will provide solutions tailored to your specific industry requirements. Industries serviced include Timber, Oil and Gas, Mining/Materials Handling and Food Processing.



BIC provided a complete automation upgrade for APEC's Albany Chipping facility during 2007. The original system was outdated and no longer fitted the requirements of their modern operation. The BIC system provided an operator interface to run the plant and with feedback on system faults, recorded history of faults, integration of weigh-bridges and tracking of plant production data. A big part of the control system upgrade involved establishing a fiber optic and copper Ethernet network to link the control system components (PLC's, HMI Servers and Operator Stations).



During this project APEC identified that their existing analog Camera System was quite expensive to maintain, due to Cameras failing as they were not suitable for the harsh environment (dirt / dust / water ingress all problems). Attempts to place Cameras in an IP housing made the picture unintelligible due to condensation build up. Attempts to offset condensation build up where not successful due to large variation in ambient temperature experience in this region of Australia.

BIC introduced APEC to the MOBOTIX M12 Day Night camera, and took APEC to WAPRES, one of BIC's existing installations to allow them to see the CAMERAS in action. APEC where impressed although hesitant at first due to cost but agreed to trial a 3 Camera Installation. BIC were able to leverage the existing Fiber/Copper network significantly reducing the cost of installation when compared to analog technology.

Since the first 3 Cameras where installed in 2007, APEC now have 16 MOBOTIX M12 Day Night camera's, with 2 more due for installation in early March 2010. All the cameras are digitally recording data, with a digital playback facility using the Mobotix Mx Control Centre Software.

BIC Engineering - Quality Automation Solutions