

AML**Switchgear**

Project Profile

Project: Timber Mill Sorter Stacker
Location: Bellbay, Tasmania, Australia
Client: Southern Cross Engineering
Consultant: Southern Cross Engineering
Project type: Control Panels

Man hours: 580
Duration: 14 Weeks
Completion Date: Nov-07

Description of Site

Southern Cross Engineering Christchurch was engaged by FEA Australia for the manufacture of a new sorter stacker for their new saw mill at Bellbay near George town Tasmania

The object of the sorter stacker is to measure the length and thickness of each plank from the computerised saw. These are then stored in one of the sorters 60 bays, until the bay is full and then the product is transferred away via conveyor where it is then automatically stacked into pallets to await drying.

Description of Project

AML Switchgear were contracted to supply the new control panels for the above project consisting of a sorter control panel 7.5 meters long, stacker panel 5 meters long and a PLC panel 3 meters long.

These panels housed the necessary power distribution and cells consisting of main isolator, MCBs, variable speed drives, soft starters, direct on line and forward / reversing starters ranging in size from 1.1kW up to 95Kw along with the necessary control relays.

Each panel is controlled by an Allen Bradley PLC directly communicating to variable speed drives via Ethernet and in turn these communicate with the main PLC panel.

On completion the controls were rigorously tested by AML and SCE engineers before being loaded into a 20ft shipping container.

The project was completed on time and within budget

