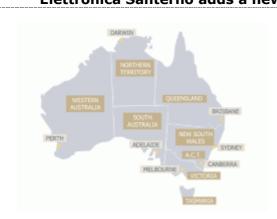


REFERENCE AUSTRALIA APPLICATION SINUS PENTA 690Vac Elettronica Santerno adds a new reference for conveyor belt application.





Country: Australia City: Newcastle(NSW) Application name: Rail unloader



Application: Conveyor belt

Technical Specification:

Length 1st conveyor:300m Length 2nd conveyor:5 Km n°3 AC motors 900kW 50Hz @ 690Vac n°1 AC motor 500kW 50Hz @ 690Vac Conveyor belt speed:5m/s

General description

At the unloading station all wagons loaded of coal are sent. The coal is unloaded in an underground conveyor screw where, through a 300m conveyor (motor 500 kW) is brought at the surface level and sent to the main conveyor belt.





Unloading station

Harvest

The 3 900kW motors drive the 5Km conveyor belt which transports the coal to the thermoelectric power (see picture). The conveyor is driven by 2 motors in master-slave connection in the head and one motor in the tail; the communication between inverters and PLC in via Ethernet.



900kw motor

Master-Slave motors

Technical data

All motors are managed and controlled by 3 SINUS PENTA in FOC mode.

The complete system is a regenerative system than all drives can regenerate into the net. The motor's inverters (n°3 0831 and n°1 0457) are supplied and connected in DC BUS thorough the Regenerative inverters of the same size. All drives are equipped with an Ethernet card for communication.



5 km way to the Thermoelectric Power Plant

Pag. 1/1

() GRUPPO CARRARO