



Wesfarmers Curragh – Dragline Electrical Upgrade 2014

MRM engineering were engaged by Curragh to complete the power system study, design of the replacement main 415V switchboard and manage the upgrade of the 22kV and 6.6kV switchboards with ABB.

Protection settings, fault level analysis, load flow and arc flash studies for the electrical network from the 66kV transportable substation to the low voltage switchboards.

MRM acted as the clients representative for the replacement of the 22kV and 6.6kV switchgear with ABB Unisafe equipment. MRM completed the design review, managed the manufacturing of the equipment and attended the factory testing of the equipment. MRM designed a new pressurised enclosure for the high voltage equipment.

MRM completed the design, managed the manufacturing and factory testing of the new 415V main 2000amp switchboard. The design included arc flash protection relays, type 2 co-ordination of the equipment and protection grading of the circuit breakers.