

Rail

MPA Engineering participated in the Qld Rail Caboolture to Beerburrum Track Duplication Project by supplying all materials, plant, and labour resources necessary for the installation and commissioning of electrical services to the Beerburrum and Elimbah Stations.

This work included providing sub-mains power, separate isolated transformers, new switchboards and distribution boards as well as installing and documenting this upgrade. Other rail work has included a remote train crossing control system for Sugar Cane Trains in the Bundaberg region as well as the manufacture of Railway Switching Demo boxes for VIC Rail.

Ports

For over fifteen years MPA Engineering has been providing PLC programming, drive installs and controls system fault finding services to Port of Brisbane dredges including The Amity, and HMS Brisbane. This work has included major upgrades as well as breakdown servicing in the many QLD Ports frequented by these dredging vessels.

We have also worked on the electrical control upgrade to the Hay Point Terminal near Mackay as well as the control system for a gantry crane on a Northern QLD Wharf in Carirns.

Marine

MPA Engineering also designed and installed Wave Monitoring units for QLD University, which were fitted to buoys in Moreton Bay, off Brisbane. Wave height and swell information was recorded and then radioed back to the University's land based monitoring station.