Project Overview:
The waste water treatment plant (WWTP) at Murrumba Downs is being expanded and enhanced to cater for future provision and to interface to an existing advanced water treatment plant (AWTP) on site. Richard Flanagan & Co engaged Mipac to configure, supply, program and commission the control system, which will interface with the current Emerson system, in the existing water treatment plant on the site.

Mipac Scope:
- Detailed design, configuration, programming, factory testing, delivery, installation, site checking, testing and commissioning of the plant control system provide a fully functioning control system
- Design, testing and commissioning of Ethernet, Profibus DP and Fieldbus networks
- Design, supply, testing, and commissioning of the Ethernet LAN hardware, including managed switches
- Testing of the plant control system’s integration and operation with the MCCs at the MCC manufacturer’s workshop for a Factory Acceptance Test
- Training of Pine Water staff in the operation and maintenance of equipment
- Preparation & Supply of Operation and Maintenance Manuals, Construction and As-Built drawings, documentation, and code
- Liaison with third parties and complying with their requirements

Project Highlights:
- The new Emerson control system was integrated with the existing system
- The overall upgrade will increase the capacity of the facility to 30.8 mega liters per day
- Mipac control strategies will help Murrumba Downs monitor quality to ensure environmental standards are met