



## Moura and Biloela Water Treatment Plant Upgrades

### Background

To improve water quality and to provide increased capacity for the two townships, both water treatment plants were upgraded under one project.

Upgrades included additional dosing systems, improved filtering and replacement of ageing process equipment. Both Raw Water pump stations were also upgraded with new switchgear and VFDs. Plant security was also enhanced by the installation of standby generators.

To allow unmanned after-hours operations, both plants were fully automated, which required the design and installation of additional process instrumentation.

Engaged by Principal Contractor Zinfra, Welcon was contracted to provide a complete turnkey electrical, instrumentation and control solution for the two plants.

Following completion of the Defects Liability Period, the Council engaged Welcon to provide ongoing control systems engineering under a Service Agreement.

### Project Specifics

Client	Banana Shire Council
Location	Moura and Biloela, QLD
Year Completed	2016
Size / Quantities	Contract value: \$1.8million
Services Provided	<ul style="list-style-type: none"> <li>• Detail design of Switchrooms and Motor Control Centres</li> <li>• Detail design of Instrumentation</li> <li>• Detail design of Communications and Control System</li> <li>• PLC and SCADA programming</li> <li>• Supply, installation and commissioning of Switchrooms, MCCs, Cabling, Instrumentation and Control Systems</li> </ul>
Delivery Method	EIC Design, Supply and Install