

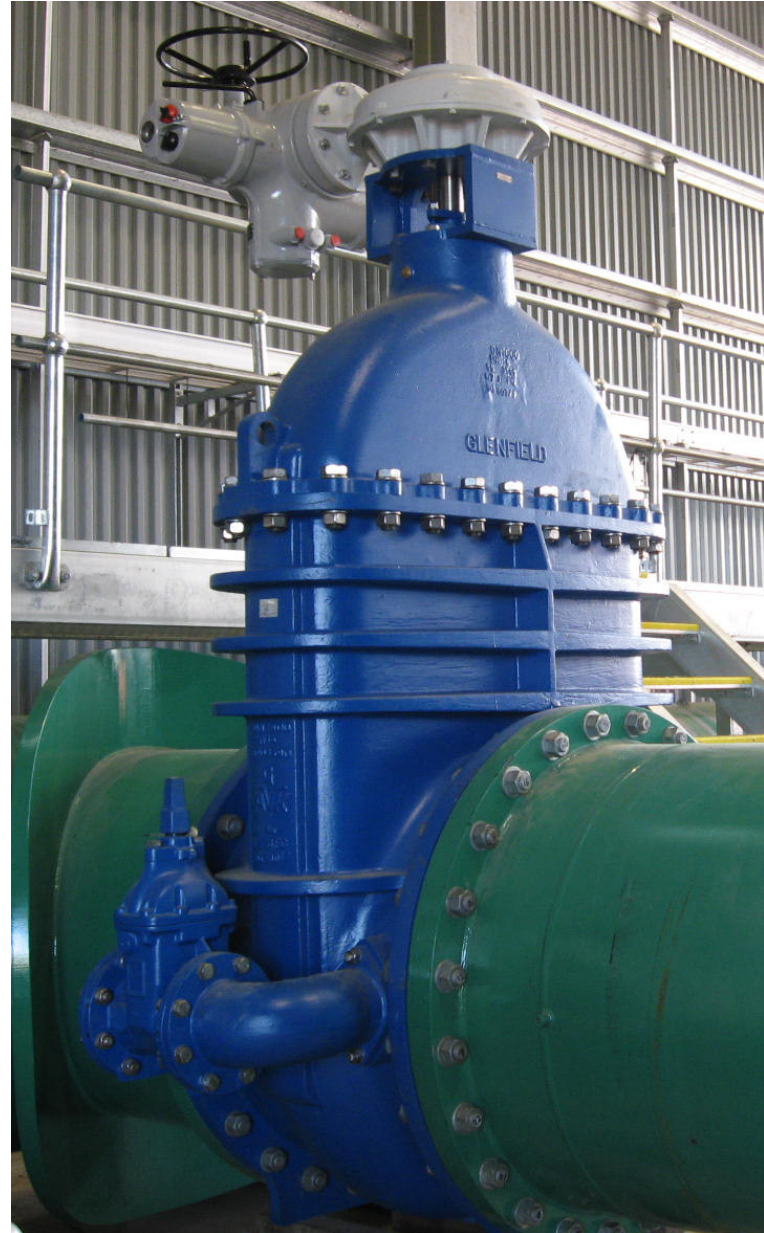
## **WESTERN CORRIDOR RECYCLED WATER PROJECT**

### **Bundamba treatment plant facility valves**

The Bundamba Advanced Water treatment plant is part of the Western Corridor Recycled Water project, largest recycled water project in the southern hemisphere and is the third largest in the world and can produce up to 232 megalitres of water per day.

The project comprises three advanced water treatment plants, and more than 200 kilometres of large-diameter underground pipes, nine storage tanks and 12 pump stations.

The 7 x 800mm and 3 x 1000mm AVK Series 54 gate valves were used in the main transfer pump stations at Bundamba and Lowood, where the treated water is sent west to the Tarong power station and future industrial and agricultural customers. This water can also be used to top up Wivenhoe Dam.



GHD selected AVK Series 54 gate valves to take advantages of the compact design of incorporating the integral bypass option and thereby avoiding the need for additional tee's and associated fittings. This bypass feature also extends the life, and reduces the wear, of both the valve and the actuator as the main valve will only be opened against a balanced head of water pressure.

