

Town Water Pump Station Upgrade

Customer: Ashgrove Estate Body Corporate

Location: Ashgrove – Brisbane, QLD

Case Study ID: CS-41

Date: December 2012

Overview

Dowdens Pumping and Water Treatment recently designed and installed an upgrade to a pumping station in Ashgrove to replace existing dated mains water pumping and fire fighting pumping equipment that boosted and supplied town water to the estate.

The Problem

The Ashgrove Estate Body Corporate required an upgrade to the existing pumping system to deliver up to 12,000L / day.

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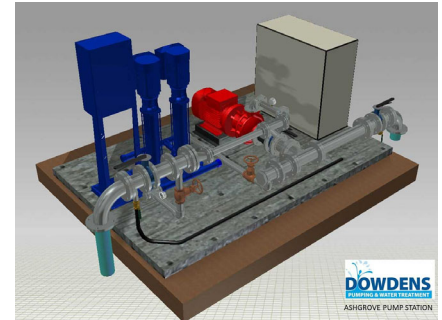
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Our Solution

The existing system was replaced in a series of steps to ensure the client still had a water supply to the residences whilst works were carried out. A new Dual Grundfos variable speed pump system was installed to operate as a duty/standby system.

Dual Grundfos pumps with variable speed controls were set to deliver 1000kpa water pressure to overcome significant elevation variations across the supply area, and all pipework and pump bases were replaced. The existing fire pump was stripped, assessed and a new mechanical seal fitted and the unit painted and all electrical controls were replaced with upgraded systems.

Key Components

- New Dual Grundfos variable speed pump system
- New pressure regulators
- New stainless steel pipework
- New pump bases
- Existing Fire Pump serviced
- New electrical control box



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Brands used in this project



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