



HWM supports Bournemouth Water in reducing leakage

achieving short-duration burst reductions of 54%, saving 1Ml/d



About Pegasus+

Pegasus+ is a sophisticated and highly versatile solution for pressure control with integral two-way mobile communications.

Pegasus+ has the capability to set target pressure by time, flow or by a combination with different table settings per day of the week.

With the addition of a critical point data logger, our PressView web based software can automatically analyse and calculate network conditions to maintain a stable pressure at the critical point to fully optimise a PRV zone.

Pegasus+, the pressure control system, responds directly to data recorded by HWM loggers at critical points (CPs) in the network and adjusting the delivery pressure.



Phase one of the project has been completed, resulting in 17 new Pegasus+ installations. Phase two, which is predicted to make significant savings for Bournemouth Water, will see another 62 units installed.

There were several reasons why Bournemouth Water chose to work with HWM on this project:

CP modulation - Pegasus+ has the ability to control the delivery pressure of the pressure management valve, based upon achieving 20m at the CP within the district metered area (DMA).

Time control - Tables within Pegasus+ allow for specific intervals during a day, week, month or year to control pressure at specific settings. For example, at peak demand, opening the valve more than during low demand, when the valve can be throttled down.

Supplier confidence - Bournemouth Water has a long history of working with HWM and is reassured by product quality and the available support should any problems arise.

Value for money - Pegasus+ supports efficient management of pressure and is cost-effective compared to competing solutions.

Having traditionally adopted pressure management measures only in areas with existing high pressure, Bournemouth Water decided to use pressure management to reduce leakage across parts of its distribution network.

Bournemouth Water's models showed that extensive pressure management could take place at DMA level and predicted savings and benefits including leak reduction, volume savings, reduced production costs and extended asset life within an ageing network.



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MONITORING ASSETS, DELIVERING DATA, BRINGING CONTROL