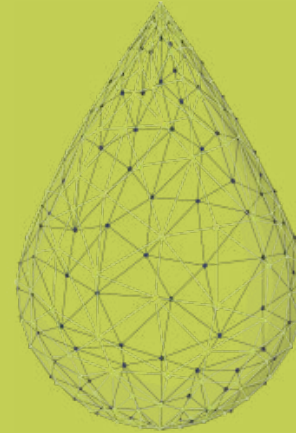




SMARTER NETWORK MANAGEMENT

Proactive network management emerged as one of the central tenets of the Price Review 2019. To achieve commitments to reduce leakage by 15% or more by 2025, water companies will need to take a fresh and holistic approach to data - both its collection and its analysis.

Waterfall is an innovative, end-to-end solution that can help you harness water consumption data to achieve smarter network management.

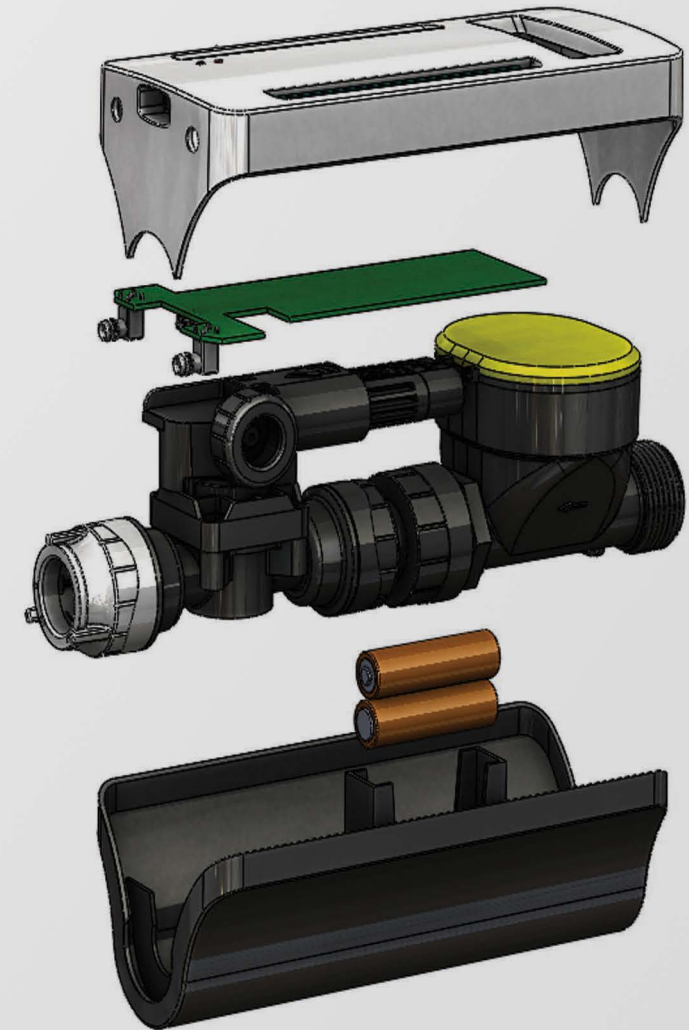


Smarter modelling

By measuring water pressure, temperature and flow in every household and transmitting that information in near-real-time, Waterfall supplies more data - and more accurate data - to your network modelling system.

This makes it possible for the first time to truly optimise DMAs and networks for consumer demand, enabling rapid response to change. The Cloud AI behind Waterfall provides better event predictability, reducing risk and helping to mitigate event impact. Clear insight into the data means you can meet legal targets for minimum pressure more easily and more accurately.

Waterfall also aids more accurate identification of unmetered flow within your network, as household consumption is accounted for down to the millilitre. The Nightline measurement could potentially become obsolete, as at any given time you will be able to tell what volume of fresh water is attributable to metered flow and what volume is not.



Smarter maintenance

With actionable data insight comes the chance to reduce operating costs. Waterfall helps achieve this not only by reducing the amount of energy needed to pressurise the network correctly, but also by reducing emergency repair costs and lengthening the lifespan of infrastructure by minimising strain.

As pressure, flow and temperature data are gathered from all corners of the network, predictive maintenance programmes become easier to manage. You are able to identify the area's most in need of restoration and maintenance so that works can be planned accordingly.

Waterfall also makes it simpler to detect and address hydraulic shock and other pressure issues to reduce stress on your network and demonstrates exemplary levels of control to the regulator.

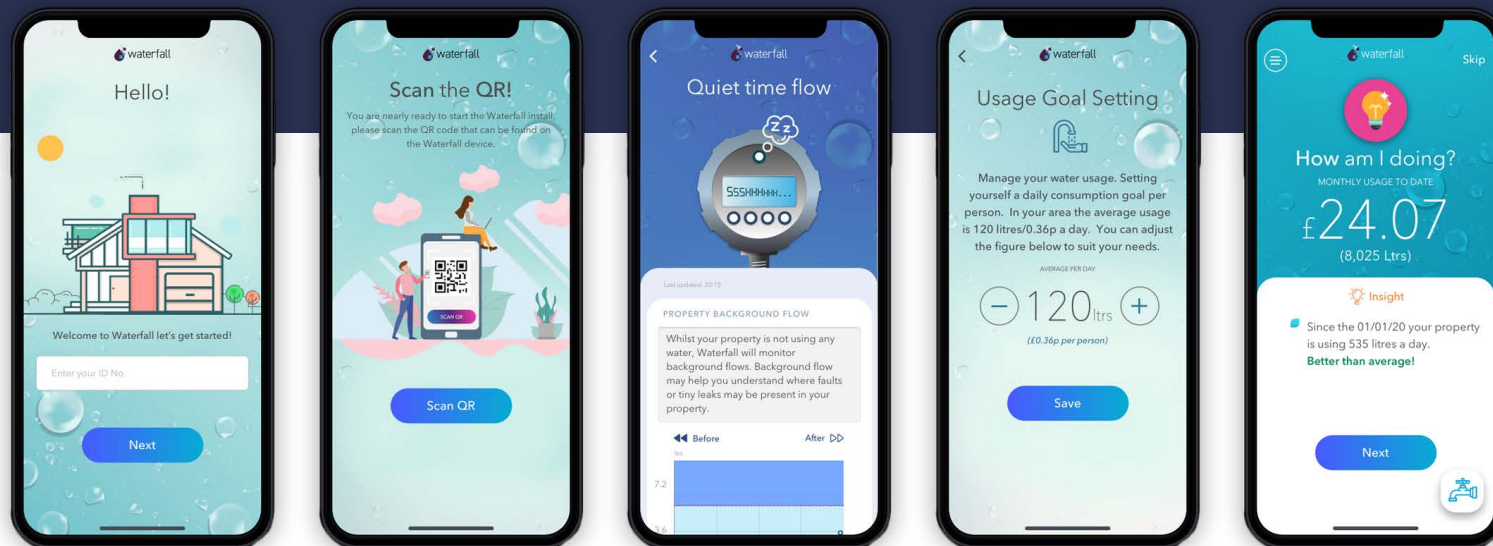


Smarter service

For consumers, the network management benefits of Waterfall mean fewer interruptions to service for repair purposes, optimal pressure levels and a more reliable water supply. The ability to pinpoint pressurisation requirements should reduce the number of complaints associated with over- or under-pressurisation of your network.

Ultimately, greater control for you as a water company translates into better customer relationships as you are able to proactively inform consumers of your strategy and actions rather than having to rely on them to report problems.

In the longer term, this should also benefit customers - and you, in terms of meeting regulatory requirements - as cost savings on network management and maintenance are passed on to the billpayer.





For more information, contact enquiries@creative-ec.com
or learn more at www.waterfallbeyondsmart.com