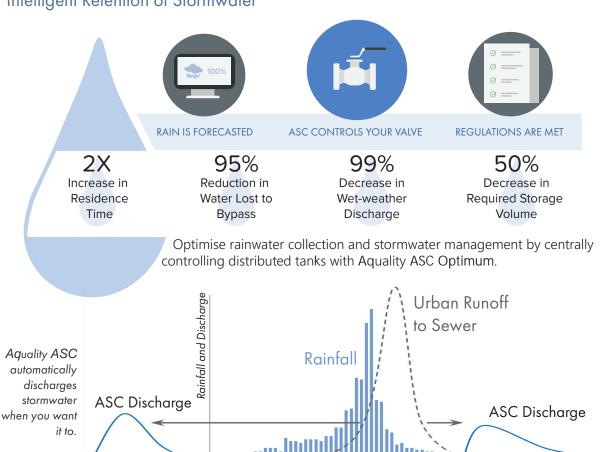# aquality
intelligent water management

Optimise Your Stormwater Infrastructure

Aqua Storm Control Optimum powered by OptiRTC
Intelligent Retention of Stormwater

RAIN IS FORECASTED | **ASC CONTROLS YOUR VALVE** | **REGULATIONS ARE MET**

2X
Increase in Residence Time

95%
Reduction in Water Lost to Bypass

99%
Decrease in Wet-weather Discharge

50%
Decrease in Required Storage Volume

Optimise rainwater collection and stormwater management by centrally controlling distributed tanks with Aquality ASC Optimum.

Aquality ASC automatically discharges stormwater when you want it to.

ASC Discharge — Rainfall — Urban Runoff to Sewer — ASC Discharge

Rainfall and Discharge — *Time*

Aquality ASC Optimum automatically reads the weather forecast and prepares your system for upcoming storms, ensuring that regulations are met and the system performs optimally.

Key Features

AUTOMATED OPERATION
- Automatically optimises distributed water infrastructure based on site goals and forecasted weather

MANUAL CONTROL
- Remote, online manual control for overriding automation from a web-Dashboard

ALARM SYSTEM
- Alarm systems with email-based alerting options to notify issues with the deployment

DISTRIBUTED OPERATION
- Built to be as effective controlling thousands of distributed sites as it is on a single deployment
- Ability to seamlessly and securely control and monitor all of your sites from a single web interface

OPTION FOR PUBLIC ACCESS
- Public, read-only HTTP REST-based API for integration of your installation's data in public websites

AUTOMATIC UPDATES
- Fully hosted streaming data processing and control systems – no software to install, configure, or maintain

DATA ACCESS
- 24/7 data access and online visualisation of system operations and history
- Data export functionality to power independent analysis of sensor streams and forecast results

SECURE DATA
- Industry-standard data security and encryption in all data communications
- Scalable, redundant storage of all observations and system settings
- Sensor trust analysis – anomaly detection designed to avoid incorrect decisions resulting from the use of inaccurate data from a failing sensor