

Introduction





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AquaSuite Global Support Team

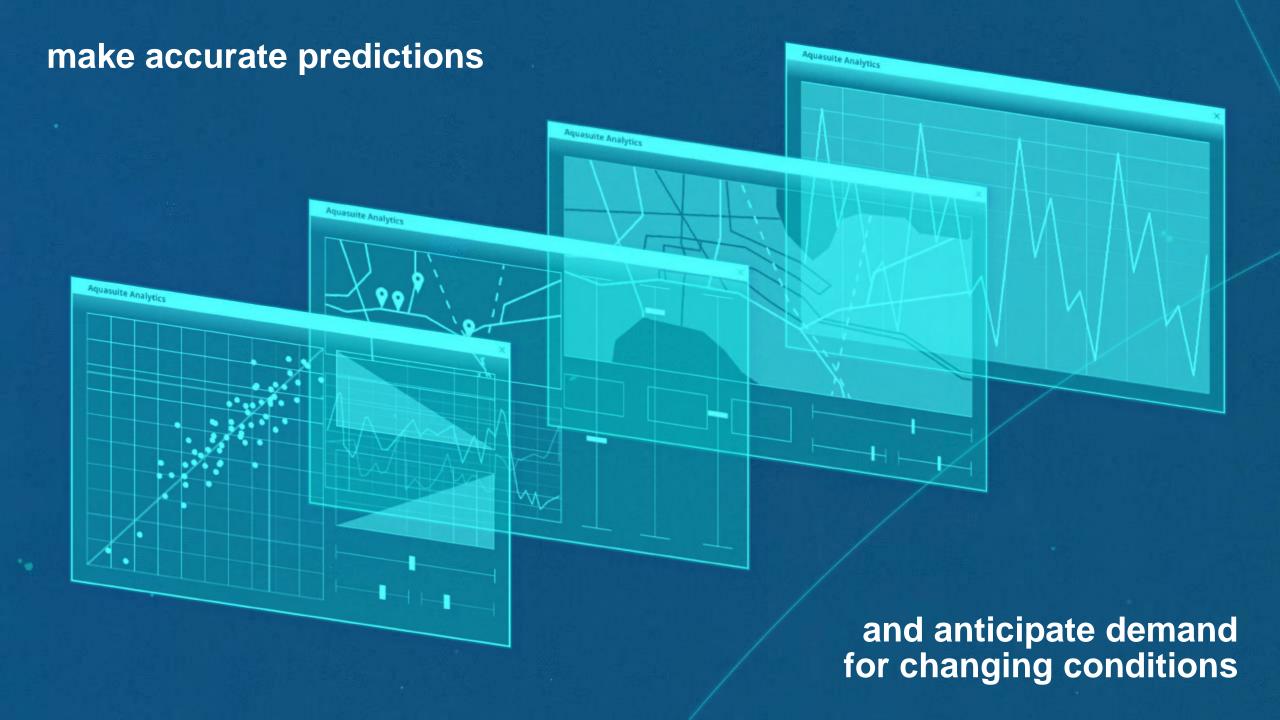
www.aquasuite.ai

Drinking and wastewater infrastructure are becoming increasingly complex

and vulnerable to changing conditions

However...

Ever-growing data flow brings great opportunities for your water infrastructure Adopting technology can help you preserve valuable knowledge



So, what if you could continuously foresee critical situations and make desired outcomes happen?

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Aquasuite, an Al-powered analyst and autopilot



Built by developers that understand water processes + software development

Aquasuite helps you to

Improve operations within networks, assets and systems

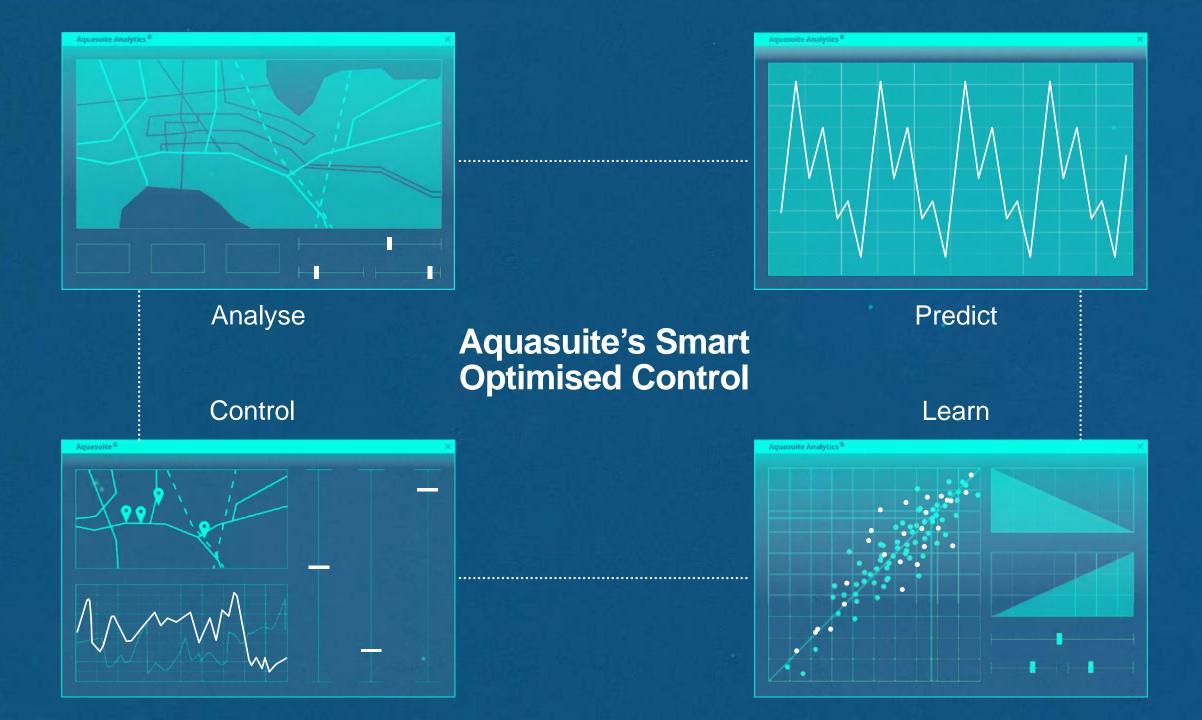
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Automate tasks for ever-increasing complex infrastructure

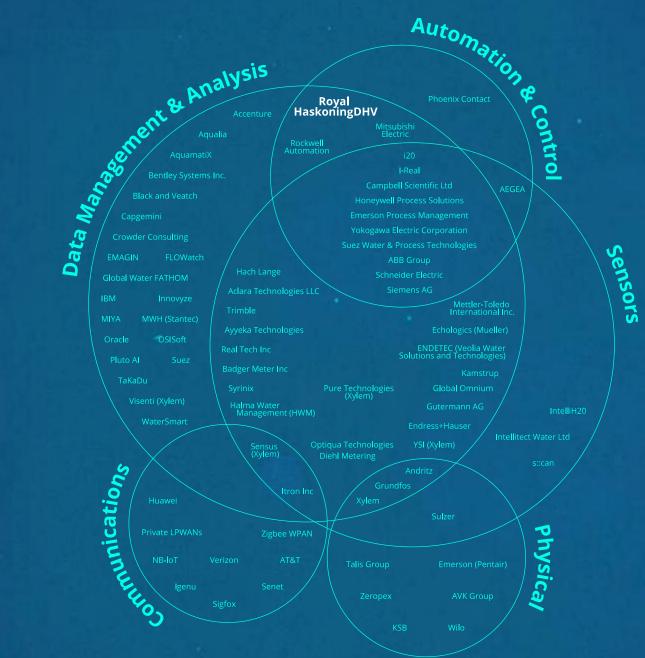
TREEP

Keep your assets future proof

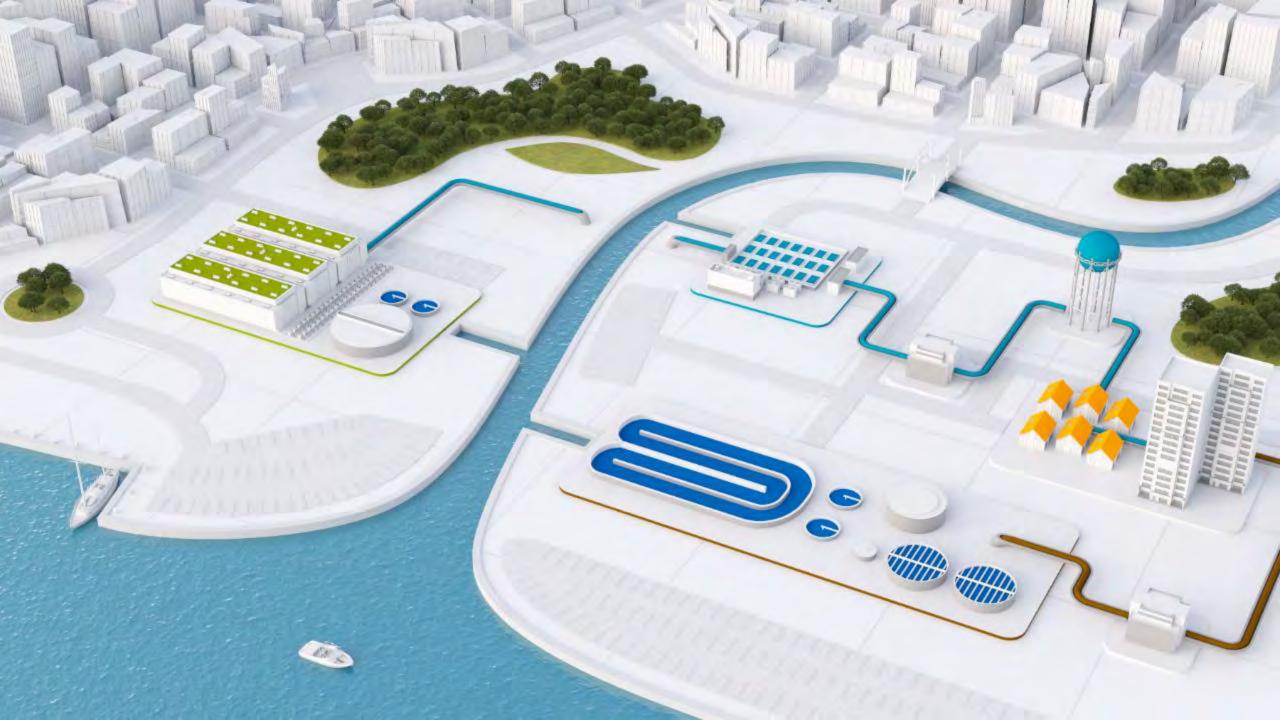
Gain actionable insight on your water infrastructure, while the virtual operator of AquaSuite takes control in optimising performance



In the sweet spot of automation, control & data analytics



Adapted from GWI (Global Water Intelligence) Title: A selection of key smart water and digital solutions providers GWI



Drinking water supply: OPIR

Leakage Analytics: BURST

Sludge treatment: MINE

> Wastewater treatment: PURE

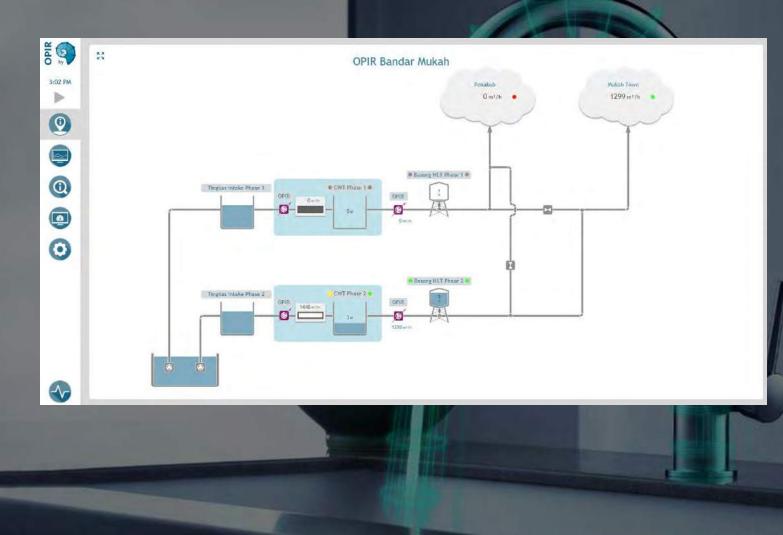
Wastewater transport: FLOW



Aquasuite OPIR Ensures resilient water supply at a consistent pressure for everyone

Bandar Mukah – Sarawak Rural Water Supply Agency

Virtual operator control & optimisation



Machine learning to optimise production, ensuring:

- Enough water for all
- Best possible water quality
 - Efficient pumping

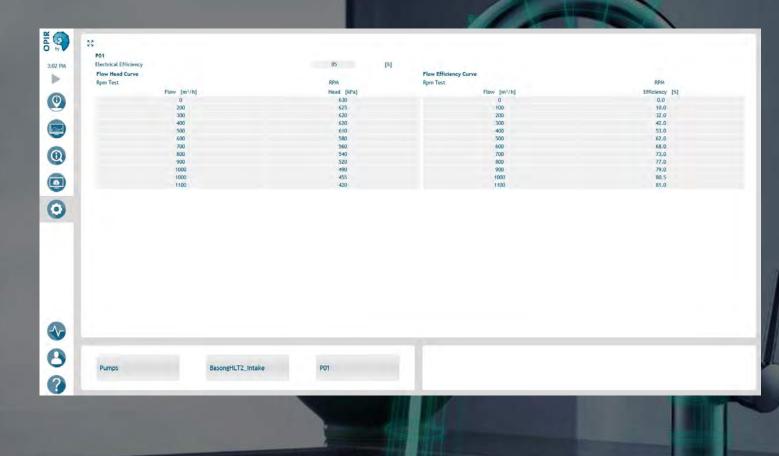
Virtual operator control & optimisation



Machine learning to optimise distribution and reservoir level control, ensuring:

- Sufficient storage
- Compliant water age
 - Efficient pumping

Virtual operator control & optimisation



Machine learning to optimise pump control, ensuring:

- Flow setpoint to head conversion
- Efficient pumping

What does this mean for the water utility companies?

- More resilient network
- Lower OPEX costs
- Reduced leakage

AquaSuite BURST Al Analytics for leakage & NRW

Detects leaks and bursts using highly accurate AI prediction within zones

Al for water loss reduction



Pillar 1- Prioritise pipe replacement

uasuite Analyti

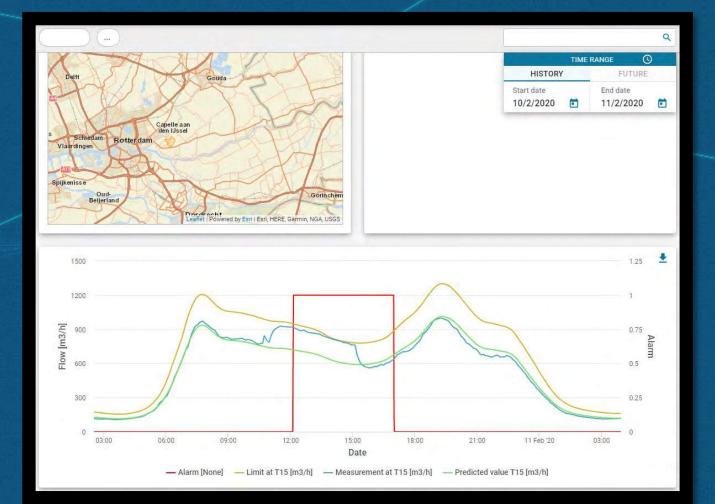
Juasuite Analytic

Aquasuite Analytics

Replace pipes before catastrophic failure

Pillar 2 – Using AI to detect leaks in real-time

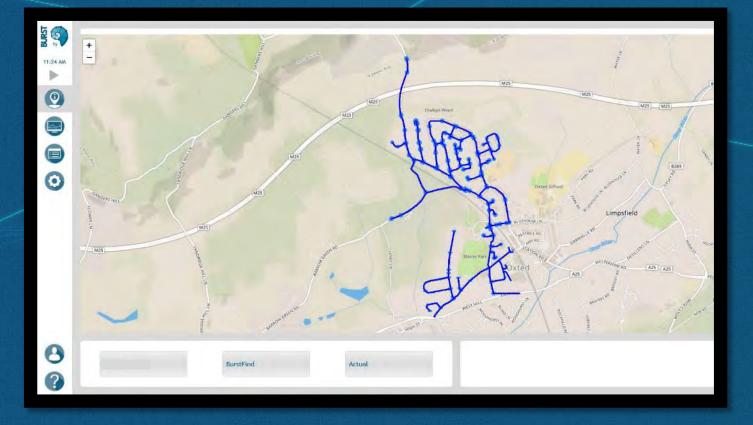
- Real time data tested against modelled prediction
- Exceptions used to identify leaks, bursts, illegal connections and asset
 failures



Pillar 3 - Localising leaks in real time

 ML used to model leak then compare simulated with measured effect at pressure sensor locations

Leak location is the location where the modelled and measured effect are most alike



Pillar 3 - Localising leaks in real time



Noise sensors are rapidly being deployed across water supply networks

 Al can learn the 'signature' of a leak sound and improve leak detection & localisation time What does this mean for water utility companies?

Faster detection and localization of leaks
Minimize water losses

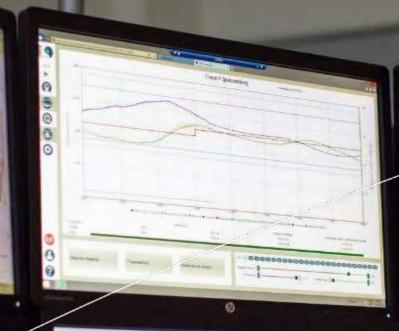


BURST applied for Water supply Project, Pune, India – Larson & Toubro

What customers in drinking water are saying

"Thanks to Aquasuite we were able to prevent from tapping into a new source, which saved us 1 million euros."

Doeke Schippers, Production Manager Drinking water company Vitens







"PUB recognises that technology and innovation are cornerstones in our mission of supplying high quality water and reusing used water endlessly. This pilot trial demonstrates how digital solutions like Aquasuite can seamlessly digitise and automate our water operations."

Dr Kelvin Koh, General Manager, the Ulu Pandan Water Reclamation Plan Singapore's National Water Agency PUB

Why clients trust Aquasuite

 Reliable, proven and secure software since 1996

Peace of mind thanks to it smart autopilot and accurate predictions

 Building AI that work: combining domain knowledge with AI software



