

### Description

Sheet No. AF-22-005

#### Infrastructure design is mission critical



Screenshot from AquaFORM-DT™ digital platform

The AquaFORM-DT™ digital platform is a GIS<sup>1</sup>-enabled software tool that facilitates design, optimisation, real-time management, & visualisation of water infrastructure networks, offering significant usability and cost benefits to water utilities and other users both in the UK and internationally.

Using advanced algorithms, a sophisticated user interface and interactive visualisation features, the platform can be customised to help our clients design and optimise new water infrastructure networks and assets.

It can also be used to collect, analyse, and monitor data from our customers' sensor networks, helping systems to operate more efficiently and resulting in significant cost savings.

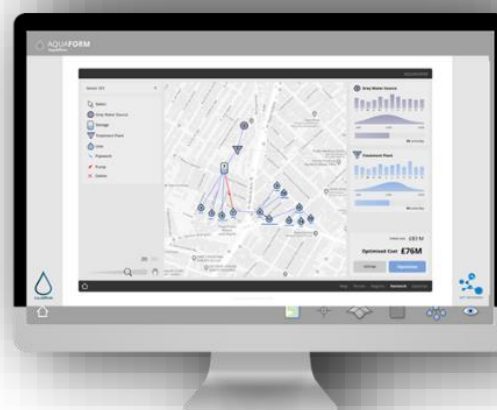
With features that have been successfully trialled in both Brazil and Bangladesh, this interactive, user-friendly digital platform provides an innovative, flexible tool for hydraulic and civil engineers and for large engineering consultancies developing new master plans for new developments.

#### Greywater system planning and optimisation

The tool has been adapted from AquAffirm's proprietary AquaFORM-GW™ digital platform that facilitates planning, design, and optimisation of greywater (water reuse) systems and design of industrial effluent remediation networks.

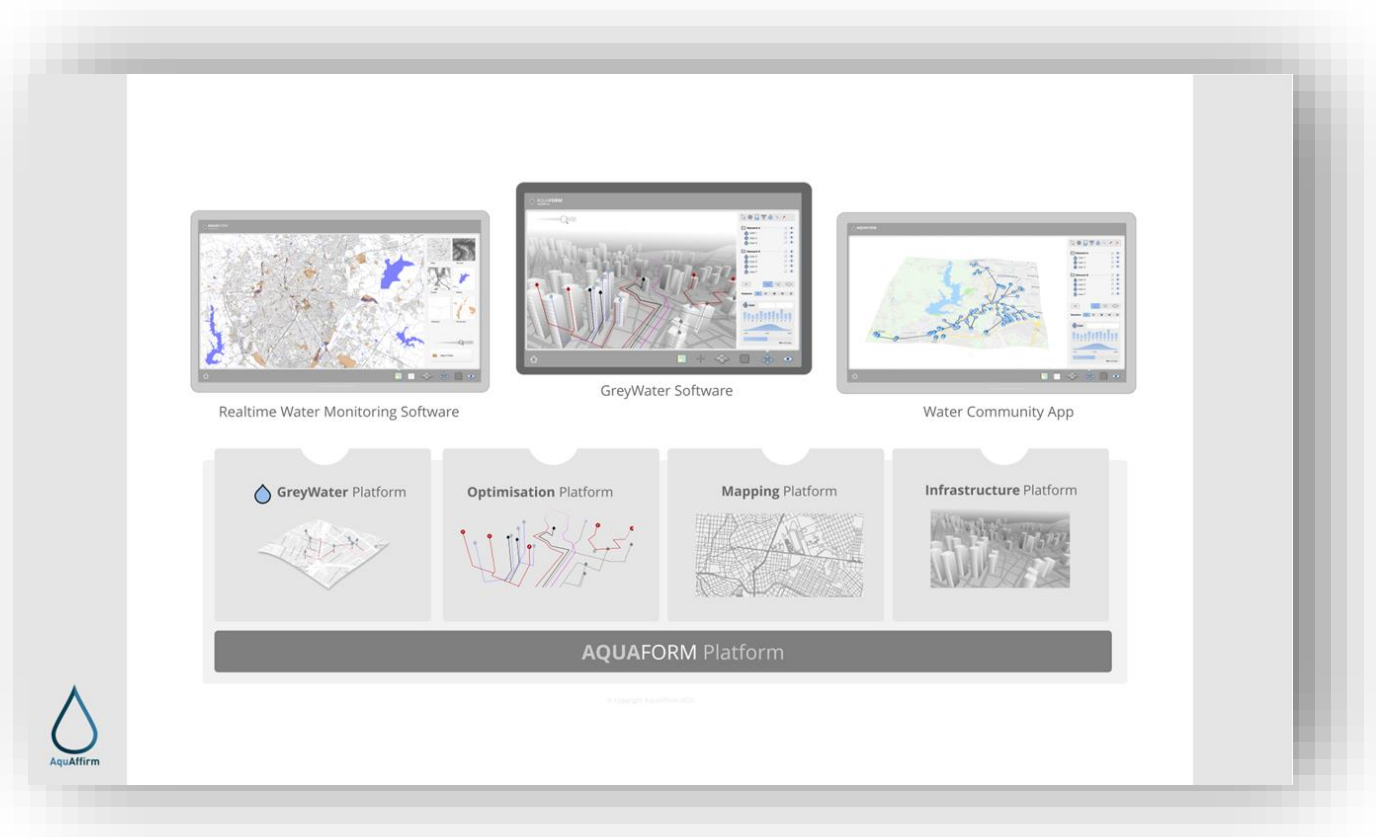
This tool is flexible and can be customised according to the needs of our customers, meaning you get a design that works specifically for your needs.

It can also be used as a decision-support tool to encourage interest in greywater usage.



Screenshot from AquaFORM-GW™ digital platform for greywater (water reuse) projects

<sup>1</sup> GIS – Geographic Information System



Key features/benefits:

- Our world-leading software design team can optimise the platform’s user interface (UI) to a client’s specific needs
- Our advanced algorithms optimise platform operation, improving user experience (UX)
- Sophisticated GIS-mapping and 3D visualisation capabilities
- Cloud-enabled platform for real-time data visualisation/data analytics

Applications

<p><b>Master-planning &amp; design</b></p> <ul style="list-style-type: none"> <li>➤ Real-time mapping</li> <li>➤ Rapid design</li> <li>➤ 3D visualisation</li> <li>➤ Advanced intuitive dashboard</li> </ul>	<p><b>Greywater design / optimisation</b></p> <ul style="list-style-type: none"> <li>➤ Advanced design &amp; optimisation</li> <li>➤ 3D visualisation</li> <li>➤ Decision support</li> <li>➤ Rapid problem identification</li> </ul>	<p><b>Network design / optimisation</b></p> <ul style="list-style-type: none"> <li>➤ Advanced algorithms for real-time route optimisation</li> <li>➤ Interactive</li> <li>➤ Costing tool</li> </ul>	<p><b>Sensor networks / contaminant mapping</b></p> <ul style="list-style-type: none"> <li>➤ GIS mapping capabilities</li> <li>➤ Real-time</li> <li>➤ Data visualisation</li> <li>➤ Data analytics</li> <li>➤ Cloud-enabled</li> </ul>
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