

Hydrasafe[®]

Innovative MEICA Solutions for a Sustainable Water Future

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Hydrasafe is an award-winning, carbon-efficient solution designed to enable safe, efficient operation, and future-proofing of Water Industry Assets. Recognised by the Institute of Water, WRC, and Hydro-Nation, Hydrasafe ensures, carbon friendly remote operation of valves and penstocks, in no power areas, making it ideal for both clean and wastewater systems.

Key Features

1 **Hydrasafes'** ability to operate efficiently in remote, isolated locations without the need for a conventional power source. This makes it an ideal solution for providing safe and reliable water treatment in areas with limited or no access to electricity."

2 **Safe and Efficient:** Hydrasafe provides a secure method for operating valves remotely, reducing the need for manual intervention in confined or hazardous spaces.

3 **Environmentally Conscious:** Our solution significantly lowers carbon impact compared to traditional alternatives, aligning with global sustainability goals.

4 **Practical Application:** Suitable for various installations, including supply, scour, and compensation valves on assets like reservoir valve towers and culverts. The system is designed for easy integration into existing infrastructure, ensuring seamless operation

5 **Award-Winning Innovation:** Honoured with the Innovation Award by the Institute of Water Environmental Specialists, Hydrasafe stands out for its cutting-edge technology and practical applications



The Station, Crosshouse Rd.
Kilmarnock



www.almechanical.co.uk



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**Mechanical
Engineering**



**Electrical
Engineering**



**Welding &
Fabrication**



Why Choose Hydrasafe®

1

Remote Operation: Operate valves safely from a distance, minimising risks associated with confined space entry.

2

Versatile Applications: Ideal for use in reservoirs, aqueducts, chambers, or any asset where electrification is cost prohibitive, or likely to impact on carbon reduction measures

3

Cost-Effective: Reduces the need for extensive manual labour and maintenance, offering a more economical solution for water management



Current Installations

- Talla Reservoir
- Balgray Reservoir
- Hopes Reservoir
- Dindinnie Reservoir
- Caaf Reservoir
- Logan Reservoir
- Stevenston Reservoir
- Stevenson Point
- Watchgate Reservoir
- Camps Reservoir
- Roughrigg Reservoir
- Coulter Reservoir
- Upper Cowgill Reservoir
- Lower Cowgill Reservoir
- Kettleton Reservoir
- North Third Reservoir
- Clatto Reservoir
- Burncrooks Reservoir
- Glenquay Reservoir

“The remote hydraulic actuator solution has been proven to deliver good results at full scale deployment over an extended period of time” - WRC Product Readiness Assessment

