

Investing in water technology and infrastructure: **why now?**



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The investment case for water is not new. However, it currently looks particularly compelling as the theme combines a defensive demand profile, physical infrastructure with minimal disruption risk, regulatory visibility, relatively stable returns, and business models that can often pass through inflation. In addition, a major wave of infrastructure replacement and adaptation still lies ahead and is likely to continue for decades.

Unlike many fashionable investment themes, water does not depend on consumer adoption, a particular technology platform or uncertain future monetisation. It is an essential economic input whose infrastructure has been underfunded for decades,¹ while demand is growing and natural water availability and quality are coming under increasing pressure.² At the same time, the valuation premium associated with the earlier ESG boom has largely unwound,³ creating a more attractive starting point for long-term investors.



A physical-asset theme with minimal disruption risk

Water is fundamentally a hard-asset theme. Its value chain consists of treatment plants, distribution networks, pumps, valves, pipes, meters, filtration systems, testing equipment and wastewater facilities. These assets cannot be digitised away, and most have useful lives measured in decades⁴. Technological change can improve how water is transported, monitored, purified or reused, but it cannot eliminate the underlying requirement for physical infrastructure.

This distinguishes water from the AI theme. A municipality cannot postpone the provision of safe drinking water indefinitely because a new technology may emerge, nor can a semiconductor plant operate without ultrapure process water.⁵ Water also has no economic substitute.



Water scarcity is frequently local as transporting water over long distances is expensive,⁶ and this reinforces the importance of local treatment, storage, distribution and reuse systems.



Inflation-resilient business models

Much of the water infrastructure system is essential and regulated. Water utilities frequently operate as natural monopolies under multi-year tariff or rate-setting frameworks.⁷ Subject to regulatory approval, necessary operating costs and capital investment can be recovered through customer tariffs, while approved investment becomes part of the regulated asset or rate base on which the utility is permitted to earn a return.⁸ These mechanisms are not a perfect inflation hedge – equipment and technology suppliers are not themselves regulated – however, they benefit from mandatory customer expenditure, large installed bases, recurring replacement demand and aftermarket service revenues.



A replacement cycle supported by rising infrastructure budgets

Water infrastructure is approaching or has already exceeded its

intended lifetime in many developed economies.⁹ Ageing pipes, treatment facilities, pumping systems and storage assets increasingly need to be repaired or replaced.

The United States has increased federal support for drinking-water, wastewater, stormwater, lead-pipe replacement and emerging-contaminant projects.¹⁰ Germany's new Infrastructure and Climate Neutrality Fund gives federal, state and municipal authorities greater capacity to modernise essential infrastructure.¹¹ And, across Europe, national infrastructure plans, EU programmes and regulatory requirements are also pushing water investment higher.¹²



Increasing urgency: new demand, regulation and climate change

Data centres require water directly for cooling and indirectly through the electricity needed to operate them.¹³ Electricity generation itself is frequently water-intensive, particularly where thermal power plants require cooling.¹⁴

Semiconductor fabrication, pharmaceuticals, food production and other manufacturing processes also depend on reliable supplier of high-quality process water.¹⁵ Climate change adds further urgency. More frequent and prolonged heatwaves increase water consumption while simultaneously raising evaporation,

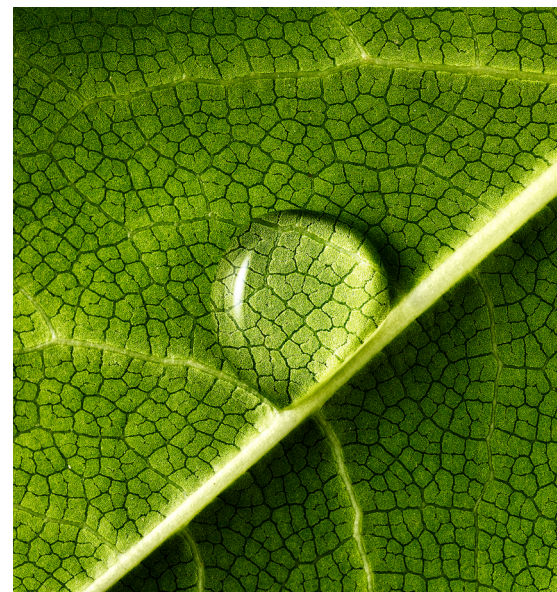
intensifying drought conditions and reducing the reliability of existing water sources.¹⁶

Revised European wastewater rules extend treatment requirements, tighten nutrient-removal standards and introduce advanced treatment and monitoring for micropollutants, microplastics and PFAS.¹⁷ In the United States, PFAS drinking-water standards require investment in testing, activated carbon, ion exchange, membranes and the handling of contaminated residuals.¹⁸



Valuations have reset

During the ESG boom, water-related equities often traded at substantial thematic premiums, which now has largely swung back.¹⁹ Following significant relative underperformance in 2024, 2025 and most of 2026, the entry point is now materially more attractive than during most of its history.²⁰



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Sources:

- 1 Standard Chartered Bank, *Corporate Responsibility Report 2025* (London: Standard Chartered, February 2026).
- 2 Bloomberg Intelligence, *Water Scarcity: Supply Chain and Investment Implications* (New York: Bloomberg L.P., March 2026).
- 3 Bloomberg Intelligence, *Water Sector Fund Flows and Thematic Positioning* (New York: Bloomberg L.P., 2025/2026).
- 4 American Water Works Company, Inc., *Annual Report on Form 10-K* (Camden, NJ: American Water Works, February 2026).
- 5 Globalfoundries Inc., *Environmental Sustainability Report* (Malta, NY: Globalfoundries, 2025).
- 6 Globalfoundries Inc., *Environmental Sustainability Report* (Malta, NY: Globalfoundries, 2025).
- 7 UBS Research, *Water Utilities Sector: Regulatory Framework and Tariff Mechanics*, 2025.
- 8 RBC Research, *Regulated Water Utilities: Rate Base Growth and Earnings Drivers*, 2025.
- 9 William Blair Research, *US Water Infrastructure: Ageing Assets and Capital Expenditure Outlook*, 2025.
- 10 US Environmental Protection Agency, *Infrastructure Investment and Jobs Act: Water Infrastructure Provisions* (Washington, DC: EPA, 2022).
- 11 Danske Research, *German Infrastructure Stimulus: Sector Implications*, 2025.
- 12 European Investment Bank, *EU Water Resilience Strategy: Financing Framework* (Luxembourg: EIB, June 2025).
- 13 CyrusOne LLC, *Environmental Sustainability Report 2025* (Dallas, TX: CyrusOne, 2025).
- 14 Bloomberg Intelligence, *Data Centre Water Consumption: Direct and Indirect Pathways* (New York: Bloomberg L.P., 2025).
- 15 Keppler Research, *Industrial Water Demand: Semiconductors, Pharmaceuticals, and Food Processing*, 2025.
- 16 UBS Research, *Climate Change and Water Availability: Investment Implications*, 2025.
- 17 Bernstein Research, *EU Urban Wastewater Treatment Directive: Regulatory and Investment Implications*, 2025.
- 18 US Environmental Protection Agency, *PFAS National Primary Drinking Water Regulation* (Washington, DC: EPA, April 2024).
- 19 Bloomberg Intelligence, *Water Sector Thematic Positioning and ESG Fund Flows* (New York: Bloomberg L.P., 2025/2026).
- 20 RBC Capital Markets Research, *US Water Utilities: 2024 Performance Review and Sector Outlook*, 2025.

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