



# Better Water & Wastewater Management... Starts Here



## The Water Crisis is Real ...

## But Solutions Are Available

### The Water Revolution

The sustainable management of water and wastewater is **one of the great challenges of our time**. The world is urbanizing – 70% of the world will likely live in cities by 2050 – and our modern world still relies on conventional “mega-facilities” which **are the oldest approach to wastewater management**.

As consumer awareness around water scarcity and sustainability increases, municipalities, real estate developers & business owners have **the opportunity to make a powerful impact through water conservation efforts** and to save big on water utility costs over time.

- Amenities like laundry services, swimming pools, cooling towers, landscaping, or water fountain features have a significant impact on a building’s utility costs.
- Businesses & Real Estate Developments that apply onsite water reuse solutions experience substantial annual savings on water and sewage bills while improving their sustainability profile.

### Circular water infrastructure just makes sense

Every drop of water we drink, flush or use for irrigation has been used over and over again, because it is continuously recycled by **Earth’s natural hydrologic cycle**. **HiLLSBRiDGE brings this natural process closer to home**, providing onsite water recycling technology to buildings & industries.

Onsite water reuse **closes the loop for urban water systems** and works seamlessly with existing, centralized water infrastructure, **adding resilience to the water grid**. HiLLSBRiDGE envisions a future where **a modern, circular approach to water reuse is the foundation for the next generation of water infrastructure**.

### All Inclusive Water Management & Conservation

PHIWE collaborates closely with owner, developer, architect, engineer, and contractor teams to develop a customized solution for each project. We make beneficial use of unused water & wastewater resources and help to:

- Diversify municipal water supply portfolios
- Decrease water & sewer bills, reducing costs for owners & developers
- Alleviate strain on infrastructure, reducing municipal cost that are passed on to building owners



Your 1-Stop-Shop for Innovative Water & Wastewater Management

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## Achieve Water Resilience &

## Sustainability Goals... Instantly

### Water Technology Solutions Designed To Scale

Increasing resilience against water shortages, our robust water treatment solutions are used at different building types, facilities and communities where **sustainability, efficiency, quality and cost-savings goals are a high priority.**

Our **modular and scalable system** approach allows owners to adapt and increase system capacity over time. Key features are:

- Safe purification of water with Ceramic Membrane Technology at its heart
- Fully automated operation with remote monitoring
- Complies with public health regulations & hygienic design

### Innovation towards Net-Zero

Unlike Conventional Systems, 'ECOFLux – Circular Water' by HILLSBRIDGE Global Water contributes to all areas of **Net-Zero for buildings & industries:**

- Energy Consumption: Up to 5 x less energy
- Water Consumption: Up to 5 x less fresh water
- Transport / Installation: Up to 5 x less surface & volume
- Maintenance: Minimal human interference
- Disposal & Recovery: No plastic membrane disposal, 100% recyclable

### Think Global – Act Local

#### A Team that Works for You

**PHIWE Africa Water Solutions** has teamed up with **HILLSBRIDGE Global Water** to guarantee efficient water management with combined specialized expertise:

- 38 years expertise in ceramic membrane nano-technology
- 20 years expertise in industrial equipment & automatization
- 14 years expertise in civil & structural engineering and project management services to public & private sector

#### A Team that Delivers 360° Turnkey Solutions

Integrating a new unit or retrofitting existing ones, we ensure hassle free & integrated project delivery. From piloting, design & manufacturing to project commissioning, operation & maintenance. A 1-Stop-Shop for your water needs.



Your 1-Stop-Shop for Innovative Water & Wastewater Management

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