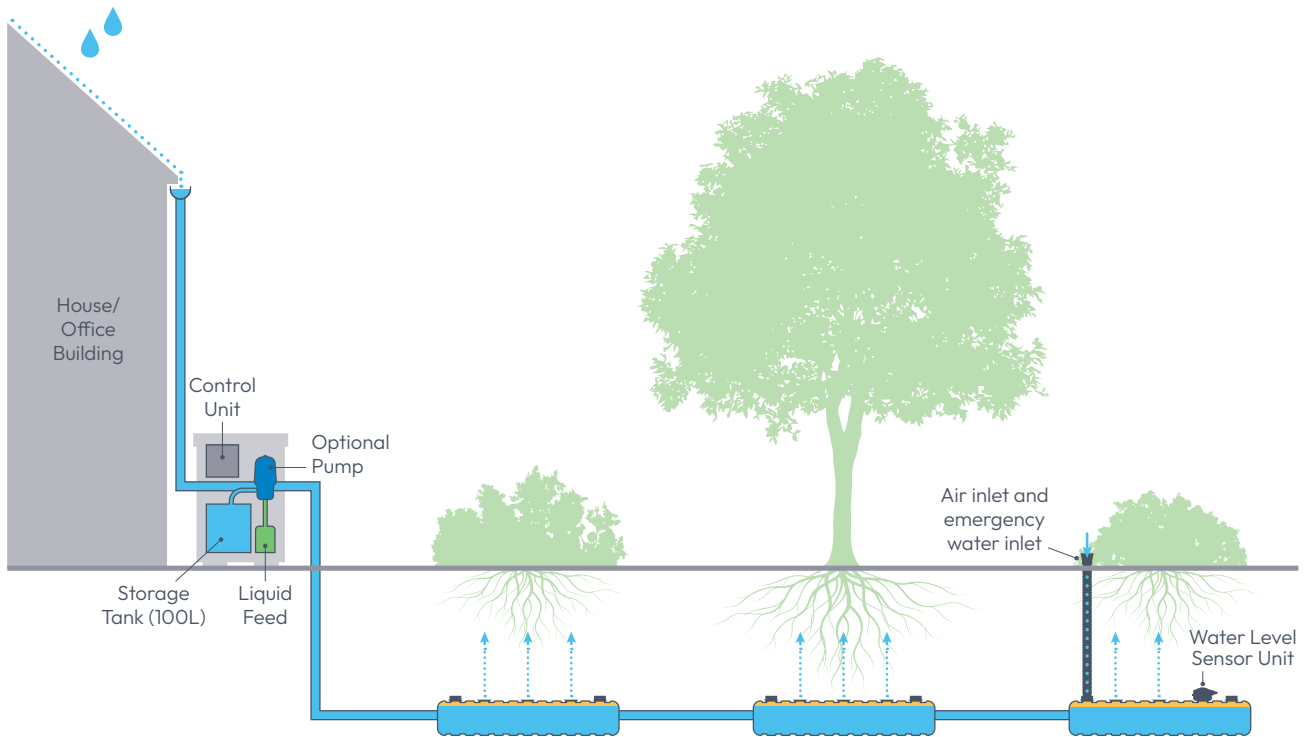




**monapluvia**  
Inspired by Nature

A mains-free subterranean  
irrigation system that harvests  
and reuses rainwater

**green-tech**  
SPECIFIER

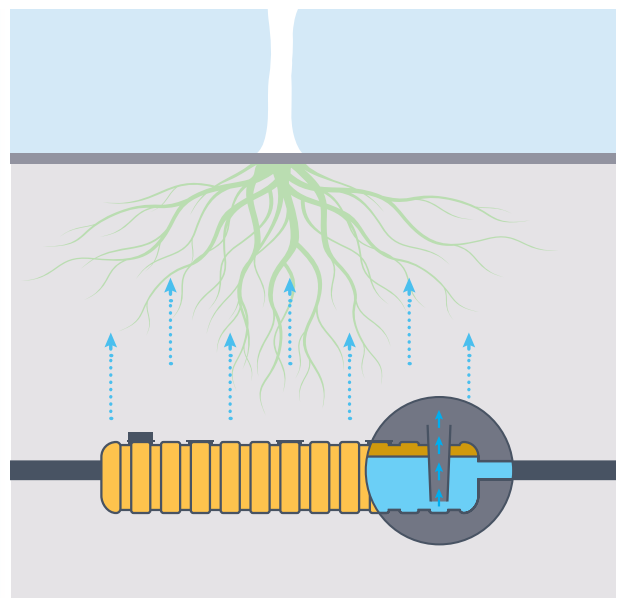


**Mona Pluvia** is the next evolution of the trusted Mona Subterranean Irrigation System – designed to harvest and reuse rainwater, working in harmony with trees and plants to support sustainable growth.

Building on over 40 years of research and development, this innovative system transforms the way water is managed in urban environments, ensuring efficient and sustainable irrigation while reducing water wastage.

## The science behind Mona irrigation

At the heart of the Mona Irrigation System lies the principle of passive irrigation. In nature, plant and tree roots naturally draw moisture from the soil, overcoming the force of gravity to absorb essential water and nutrients. Mona's subterranean yellow tanks act as underground reservoirs, storing water at the root level, where it is gradually absorbed as needed. This ensures a steady and efficient supply of water, promoting stronger, healthier plant growth without the reliance on surface watering.



# Mona Pluvia – the next generation of intelligent irrigation

For 2025, the Mona Subterranean Irrigation System has been upgraded to include technology that futureproofs a tried and tested irrigation method into a more intelligent use of water, fit for our changing climate.

Mona Pluvia collects rainwater in urban locations and utilises it for essential tree and plant irrigation in built-up environments. The system is key to achieving sustainable water management, recycling rainwater and diverting it to where water is needed the most – at the plant’s roots.

Mona Pluvia incorporates a sensor that monitors the water level in the tanks, activating only when levels are low and the plants require more water. When the water level drops below a preset level within the tank, it activates to fill the subterranean yellow Mona tanks with stored rainwater.

Mona Pluvia works with the natural feeding pattern of the planting, whilst recovering water that would ordinarily enter a drainage network. This closed-loop system not only reduces water wastage but also ensures a more natural hydration cycle for trees and plants, supporting long-term sustainability in urban landscapes.



Pump communicates with water level sensor and activates when water tank level is low



Water level sensor sits within the subterranean Mona tank

## Why choose Mona Pluvia?

- **Intelligent Water Management:** Automatically responds to water levels, topping up tanks precisely when needed.
- **Proven Passive Irrigation Technology:** Works with nature to optimise plant hydration and root health.
- **Ideal for Urban & Hard Landscaping:** Designed for city tree planting, parks, streetscapes, and green infrastructure projects.
- **Sustainable Water Use:** Captures and reuses rainwater, reducing costs, saving water, and reducing pressure on the sewer network.
- **Manufactured in the UK:** Incorporating decades of irrigation experience.
- **Eliminates Surface Watering:** Reduces maintenance time, avoids surface water run-off, and enhances water efficiency.
- **Supports Climate Resilience:** Helps urban areas adapt to changing rainfall patterns and water shortages.



Mona Pluvia:  
How It Works



## Inspired By Nature

The Mona Pluvia System redefines urban irrigation by redirecting rainwater in built-up urban environments and utilising this water for the benefit of essential urban planting. Planting in urban environments is a key contributor to improving biodiversity within cities and towns. By harvesting and recycling rain water we are utilising the resources we have to the benefit of the environment.

Taking green assets that naturally provide biodiversity and combining them with water management, creates a true vision of sustainable blue green infrastructure.

## Green-tech Specifier

Green-tech Specifier is the specification team within Green-tech that focuses on technical specification, creating effective solutions across urban tree planting, green roof infrastructure, sustainable soils, habitat creation and Biodiversity Net Gain. Our team of experts can advise on the most up-to-date products for the ever-changing landscape environment.

We offer:

- Technical plans and drawings
- Bespoke project advice
- CPD seminars and webinars
- On-site installation assistance



Contact the team today for more information:

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