

We see water management differently

Water matters

The world and our environment are constantly changing. Shifting rainfall patterns. Drier summers and stormier winters. Continuing land development and further loss of natural drainage. Increased water usage by a still-growing population. Denser housing.

These are just a few of the reasons why water can no longer be taken for granted.

There's a new urgency. A requirement for sustainable answers. For ways to manage water more efficiently. To make it easier for building and construction professionals to deliver better solutions. And to respond to new regulations and other challenges.

A new perspective

This explains why Wavin is constantly questioning how water management applications and techniques need to change.

It's a process that requires an open mind, continuous attention to detail, and intelligent anticipation. Above all, it invites a new perspective for future development.

The two water cycles

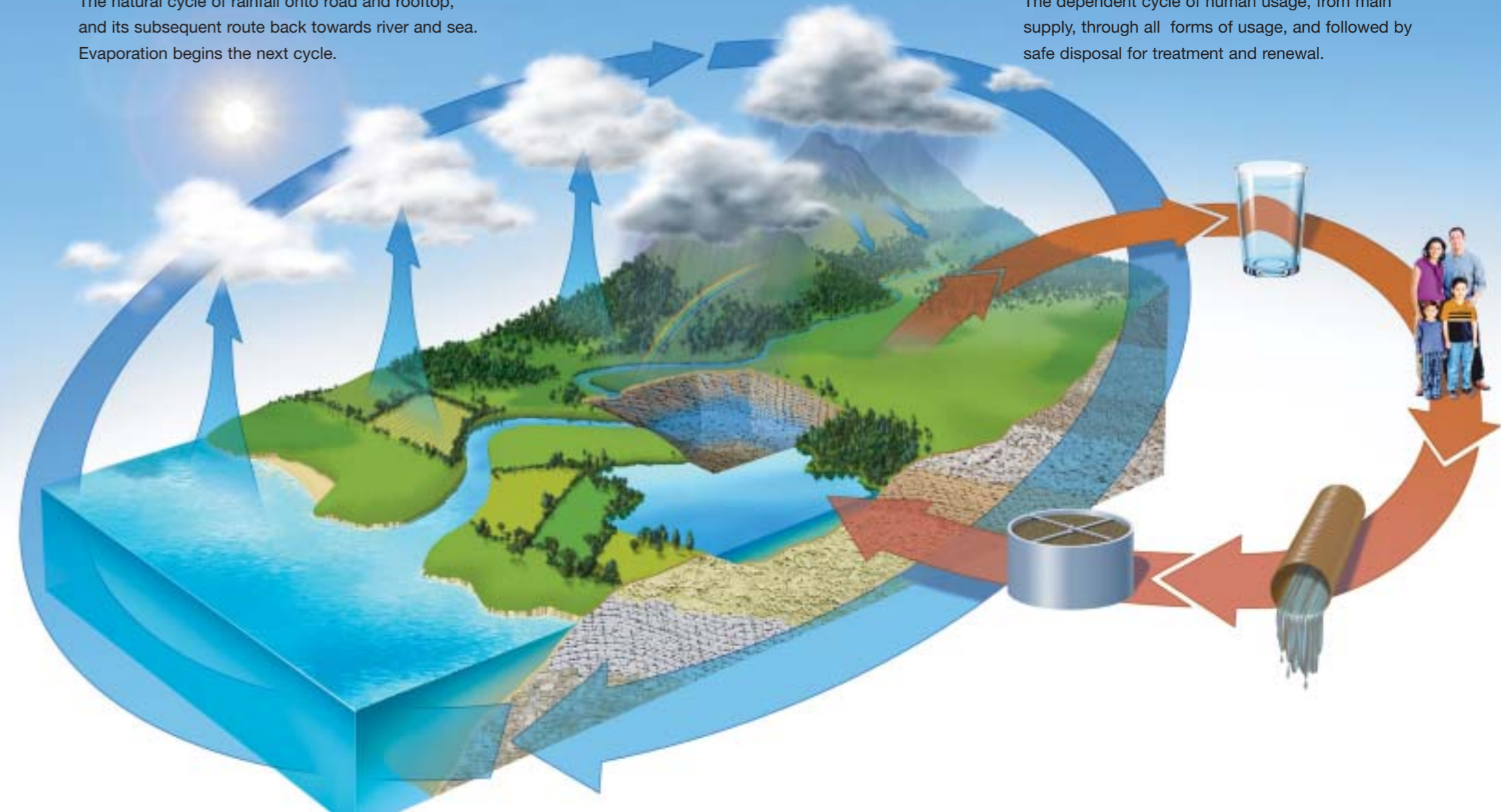
To ensure a comprehensive approach to water management, Wavin sees two cycles. These, in turn, define two application categories needing comprehensive and sustainable solutions.

The following pages explain how this new perspective applies to each stage in the **Rain and Storm** and **Clean and Waste** water cycles. They also reveal some of the new solutions developed for the application needs that have been identified.



Rain and Storm

The natural cycle of rainfall onto road and rooftop, and its subsequent route back towards river and sea. Evaporation begins the next cycle.



Clean and Waste

The dependent cycle of human usage, from main supply, through all forms of usage, and followed by safe disposal for treatment and renewal.

For further information just ask

Wavin always welcomes dialogue with customers about the many detailed aspects of water management as they are encountered in the field.

In particular, we are ready to contribute our extensive experience to helping tackle and overcome new problems arising from environmental or regulatory changes, as and when they happen.

To discuss a specific application or project need, or to request technical advice and information, call **01249 766655**

For product literature, call **01249 766333**

or email **literature@wavin.co.uk**



The two application cycles

APPLICATION STAGES	REQUIREMENT	EXISTING SYSTEMS	NEW
 first catch ① Capturing rain and surface water	Rooftop Drainage Surface Drainage	Rainwater Gullies Channel Drainage	StormLine AquaGrid RainChannel Threshold Channel
 then convey ② Transporting it	Surface & Sub Surface Drainage	OsmaDrain UltraRib TwinWall LandDrain	NIC Tegra 600
 allow it to infiltrate ③ Releasing it into the groundwater	Surface Water Soakaway	Slotted OsmaDrain Perforated TwinWall	AquaCell AquaCell Lite
 or attenuate ④ Storing and controlling release	Surface Water Storage	Large Diameter TwinWall	AquaCell AquaCell Lite Garastor
 then clean ⑤ Removing debris and pollutants	Surface Water Pollution Control	Silt Traps	Petrol Separators <i>(coming soon)</i>
 and aim to re-use ⑥ Putting it to good use	Conserving Rain and Storm Water	-	Rainwater Re-use

Rain and Storm

Rain and stormwater falling onto buildings and developed land. Needing to be properly managed because it is denied natural drainage. In this natural cycle, water may pass through up to six application areas before restarting its journey via evaporation.

Clean and Waste

Water supplied, used and returned for treatment and renewal. Needing safe, secure and efficient management, to ensure convenient availability and to protect both public health and the environment. Water will pass through six application stages in this man-made cycle.

APPLICATION STAGES	REQUIREMENT	EXISTING SYSTEMS	NEW
 first supply ① Delivering water in pure, drinkable form	Potable Water	PE Pressure Blue	Trigon
 ready to use ② Making it available for daily needs	Heating Sanitary Cooling	Hot & Cold Plumbing	Metal Plastic K1 <i>(coming soon)</i> Metal Manifold UFH
 then flush ③ Getting it out of buildings after use	Waste Water Drainage	Soil Waste Overflow Traps	SiTech Condensate Fittings 6 Boss Soil Manifold
 and discharge ④ Taking it safely away for treatment	Waste Water Drainage	OsmaDrain UltraRib PE Pressure Black	NIC Tegra 600
 and thoroughly clean ⑤ Treating and re-purifying it	Local Waste Water Treatment	-	-
 in readiness to re-use ⑥ Making it available again for safe use	Grey/Black Water Re-use	-	-

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