

Polypipe Technical Centre

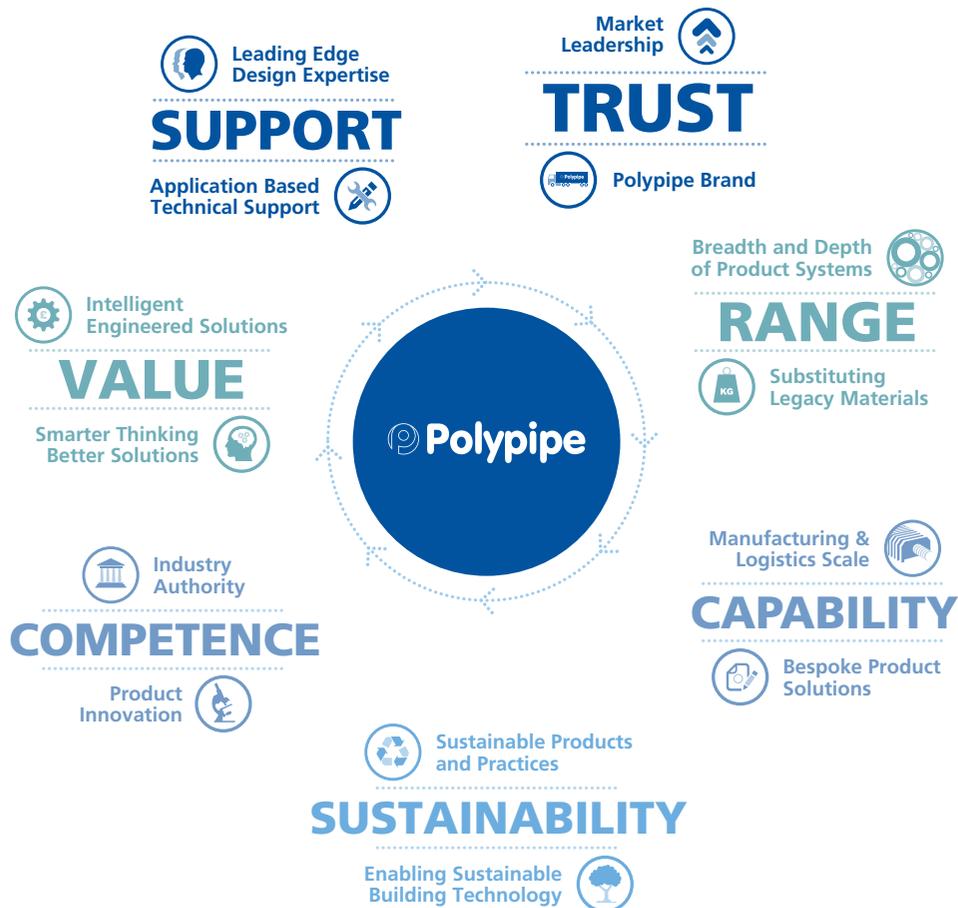


Experts in Drainage, Plumbing and Water Management

British
Expertise 

Welcome to Polypipe

At Polypipe, conceiving, designing, manufacturing and delivering the most advanced products and systems isn't merely an occupation. It's a passion. One that's based around a few simple beliefs. Expertise isn't an option. Quality always beats quantity. Products are nothing without service and support. Sustainability isn't just a 'green' word. And working with our customers is much better than simply supplying them.



Polypipe Technical Centre, Dubai



The Polypipe Technical Centre, Dubai is designed to enhance knowledge and demonstrate the movement and management of water. Our state-of-the-art training facility will give you a unique insight into the future of how water can be managed more effectively in today's fast moving and developing construction industry.

In a world where pioneering buildings are challenging traditional construction methods and shaping the future for rapidly growing populations, management of water needs careful consideration in both the design and installation process. Polypipe's products and systems provide innovative solutions for demanding environments in the Middle East.



Sharing our knowledge with you

At Polypipe, we recognise the benefits of training and clear explanations of product systems and functionality to clients, designers and installers. That's why we provide a hands-on experience, bespoke to the needs of specific projects or design teams. Our experts are here to guide and share their knowledge with you.



Water Sensitive Urban Design (WSUD)



- Understand the different load requirements in a water management system
- Discover the solutions that solve difficult ground conditions
- Learn how different products and systems integrate for a holistic solution
- Find out how to engineer and install intelligent solutions that are faster and more efficient

Water Sensitive Urban Design is a land planning and engineering design approach, which integrates the urban water cycle.

By combining stormwater, groundwater and wastewater management with water supply into urban design, it minimises the environmental degradation and improves aesthetic and recreational appeal – this means water is seen as a precious commodity rather than a problem.

When visiting the Polypipe Technical Centre, we demonstrate an holistic approach of the complete urban water cycle, integrating complete systems to capture, convey, conserve and manage water in the built environment. This also includes ‘source control’– a design concept to capture and use water where it falls.

 **Civils & Infrastructure**

 **Residential**

 **Commercial**



Water management systems

The Polypipe Technical Centre provides an opportunity to discover innovative methods to manage and conserve water in the urban environment, relevant to local regulations and legislation.

This now becomes more critical as governments are increasingly aware of the challenges posed by new developments and are passing responsibilities on to designers to eliminate pollution, minimise wastewater network discharge and reduce energy consumption.

- Come and see how a Water Treatment System works
- Understand how the system can be used for storage and reused for irrigation and toilet flushing
- Look at how a soakaway/infiltration system can be used to manage stormwater and naturally infiltrate into the soil
- See how a Detention system works to manage stormwater events



Attenuation

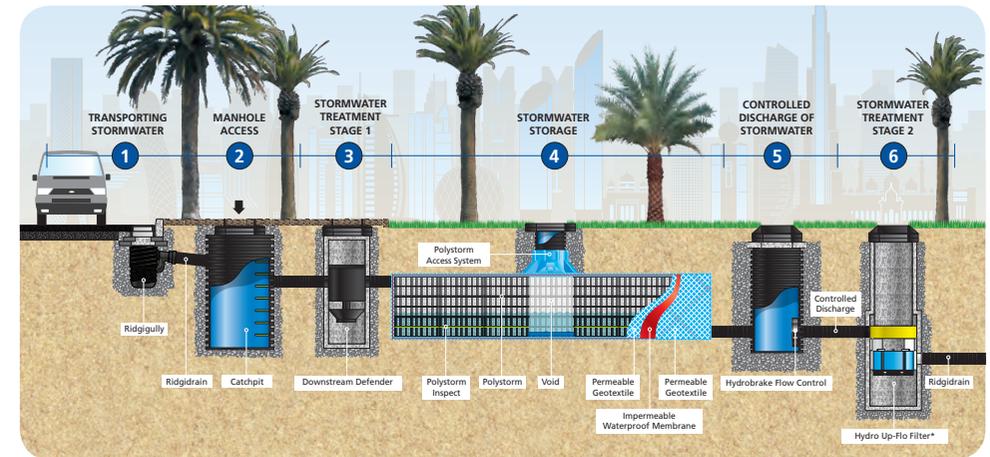


Soakaway / Infiltration



Detention

Water Treatment Systems



Managing water in and around tall buildings

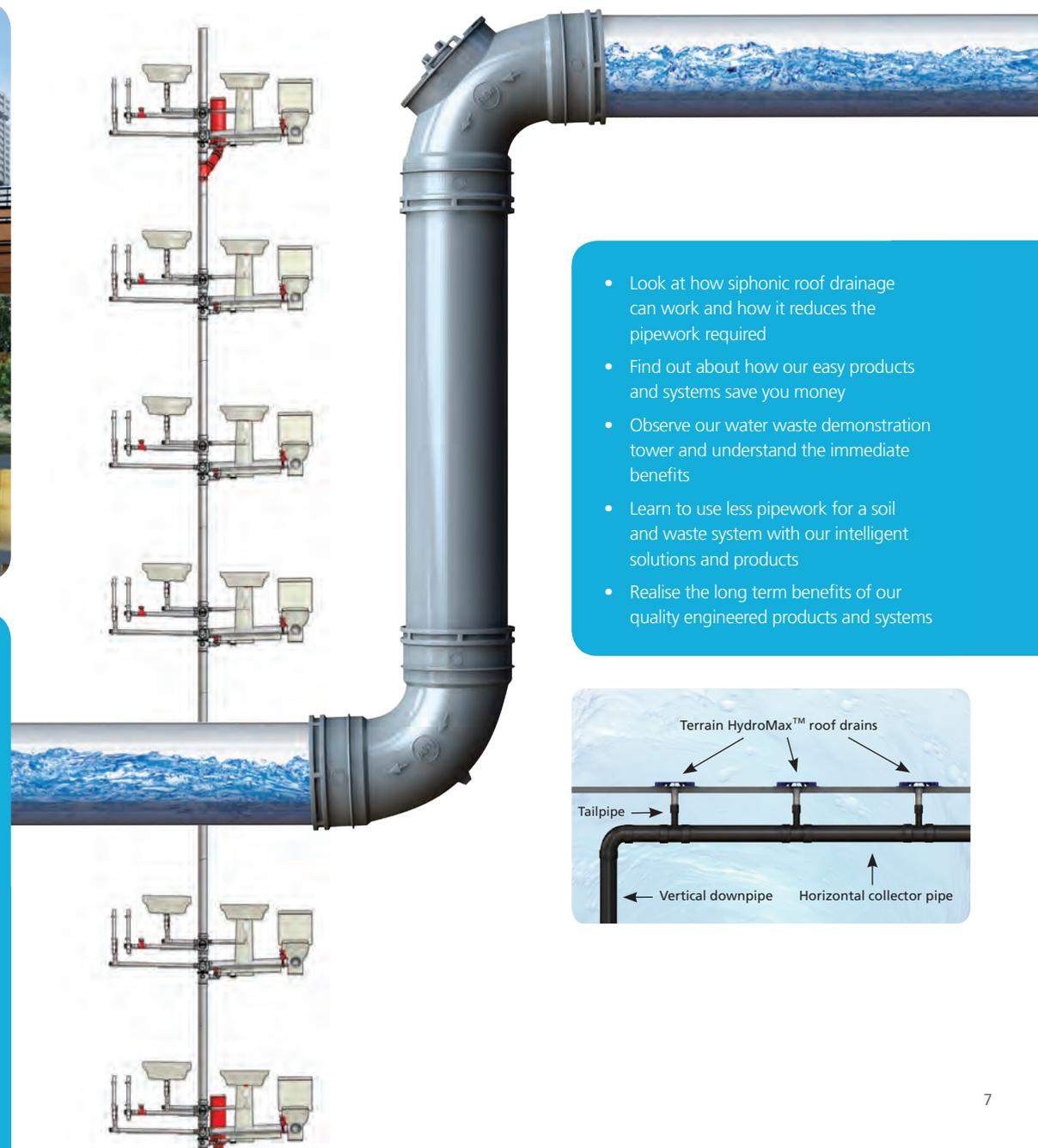


Mechanical and plumbing services within high-rise buildings require a great deal more consideration in terms of both design and use by occupants.

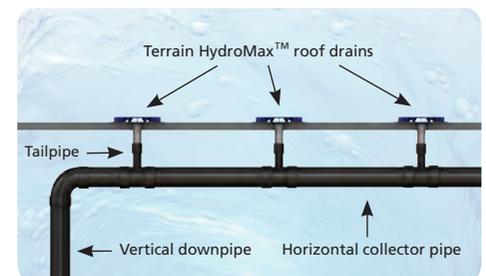
Water supply is naturally essential, but equally important is the removal of wastewater and rainwater. At the Polypipe Technical Centre we are able to demonstrate a wide range of traditional and alternative pipework materials and systems that will help you overcome the challenges of water movement.

The Polypipe Technical Centre also allows new, yet proven and accredited technology to be experienced, often challenging traditional methods with durable, cost-effective alternatives that are already being embraced across the world.

Come and see them for yourself and keep abreast of space saving, market leading solutions for tomorrow's world.



- Look at how siphonic roof drainage can work and how it reduces the pipework required
- Find out about how our easy products and systems save you money
- Observe our water waste demonstration tower and understand the immediate benefits
- Learn to use less pipework for a soil and waste system with our intelligent solutions and products
- Realise the long term benefits of our quality engineered products and systems



Sporting environments

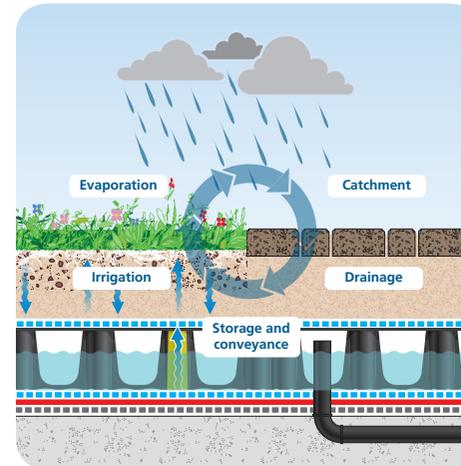
Today's sporting professionals demand high performance pitch surfaces, requiring extensive design considerations to ensure reliable installation and straightforward aftercare.



Sports solutions

The combination of water management, capillary irrigation and playing surfaces is now a reality thanks to Permavoid. A technical innovation that's recommended by sports' leading advisors.

Podium decks / Green roofs / Blue roofs / Landscapes



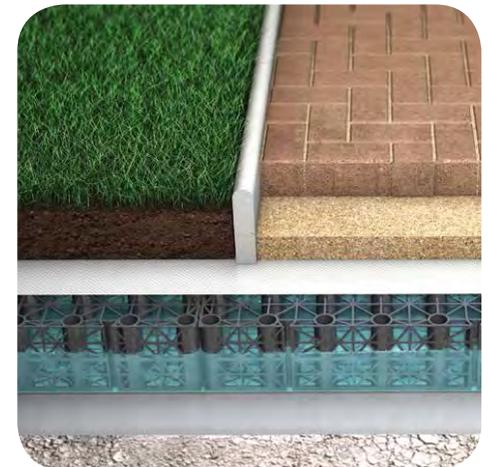
- See how a water management system can be used to keep sports pitches in prime condition
- Understand the benefits of podium and shallow podium deck systems
- Come and see how our capillary irrigation solutions work
- Become an expert in specialist water movement & management
- Learn how to provide solutions to cope with the temperature and climate conditions of the Middle East

Podium / roof deck solutions

Rooftop areas can prove challenging due to pipework routing restrictions and construction depth limitations. But they also provide significant building features in the form of green or blue roofs. Shallow depth solutions from Polypipe have changed thinking and are already expanding building horizons, helping to bring green areas to our new cities.

Capillary irrigation

Traditional irrigation systems consume vast quantities of water, much of which never reaches the roof zone due to pipe leakage or evaporation in hot climates. Polypipe now present a system whereby plants are irrigated in a controlled manner from a subsurface system, resulting in healthier, stronger, longer-lasting vegetation without wasting water. Experience the full capabilities of our Permavoid system through a design led, cost-down alternative that is already re-writing the future of landscape design.



Working together

Polypipe work alongside a number of specialist partners to bring the latest technology and enhanced knowledge to the region, including:



STRI – providing a comprehensive range of services for the research, design, construction and management of sports pitches and sports surfaces.



EPG – a dynamic Geo Environmental Engineering Design Consultancy specialising in sustainable drainage design, flood risk and drainage impact assessment and water management.



Hydro International – offers innovative products for the cost-effective control of stormwater and treatment of wastewater.



HydroMax – at the forefront of advanced Siphonic Roof Drainage Systems and, together with SSL, a leading siphonic design project management company.



Studor – offers practical solutions for commercial and residential buildings eliminating the need for roof penetrations and extensive group vent piping. They are experts in ventilation, specialising solely in technologies related to drainage pressure fluctuation and drainage systems ventilation.

Our range of products includes:

ABOVE GROUND DRAINAGE & RAINWATER SYSTEMS	BELOW GROUND DRAINAGE SYSTEMS
WATER SUPPLY & DISTRIBUTION SYSTEMS	WATER MANAGEMENT SYSTEMS

Come and visit us



As your partner in construction, we look forward to sharing our wealth of experience and knowledge with you. By visiting our Technical Centre, you'll get to see first-hand how our products and systems can support your project. From specific water management solutions to general applications within the sector, we're here to help.

Training and visiting options

Courses are typically bespoke to individual, group or project needs, according to your requirements. This could include a general practical overview of all our systems, or a professional technical review on design and installation standards. Time with Polypipe may even count towards CPD hours (Continual Professional Development), required by some organisations and professional qualifications to keep skills updated and abreast with new industry developments.

Please detail your requirements clearly so that we can fully achieve your training expectations.

Booking procedure

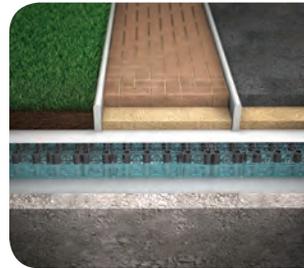
Please contact your local representative, or the Polypipe Technical Centre directly on +971 (0)4 880 6680 or email our experts at middleeast@polypipe.com to check availability and to discuss specific requirements.

Assistance with planning travel arrangements can be arranged if required, as can transfer to the Technical Centre from hotels or airports.



Polypipe Technical Centre

Experts in Drainage, Plumbing
and Water Management



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