



RAIL

INFRASTRUCTURE
SOLUTIONS

UNLOCK THE

FUTURE

Today's rail networks put the customer at the heart of their vision. This means delivering reliable, efficient and sustainable infrastructure that defines operational leadership.

In partnership with Polypipe Civils & Green Urbanisation, project teams will have access to the next generation of product solutions and support services. We focus on an 'innovation through collaboration' approach, engaging at the earliest possible stage in project development to ensure optimum value, performance and environmental outcomes.

Proven on and off-track, our water management and cable protection systems continuously evolve to maximise use of recycled materials from both post-consumer and production waste. And now with our breakthrough Green Urbanisation solutions, we can integrate unique net-zero surface water re-use technologies to enhance biodiversity and help meet the challenges of climate change.



Collaboration

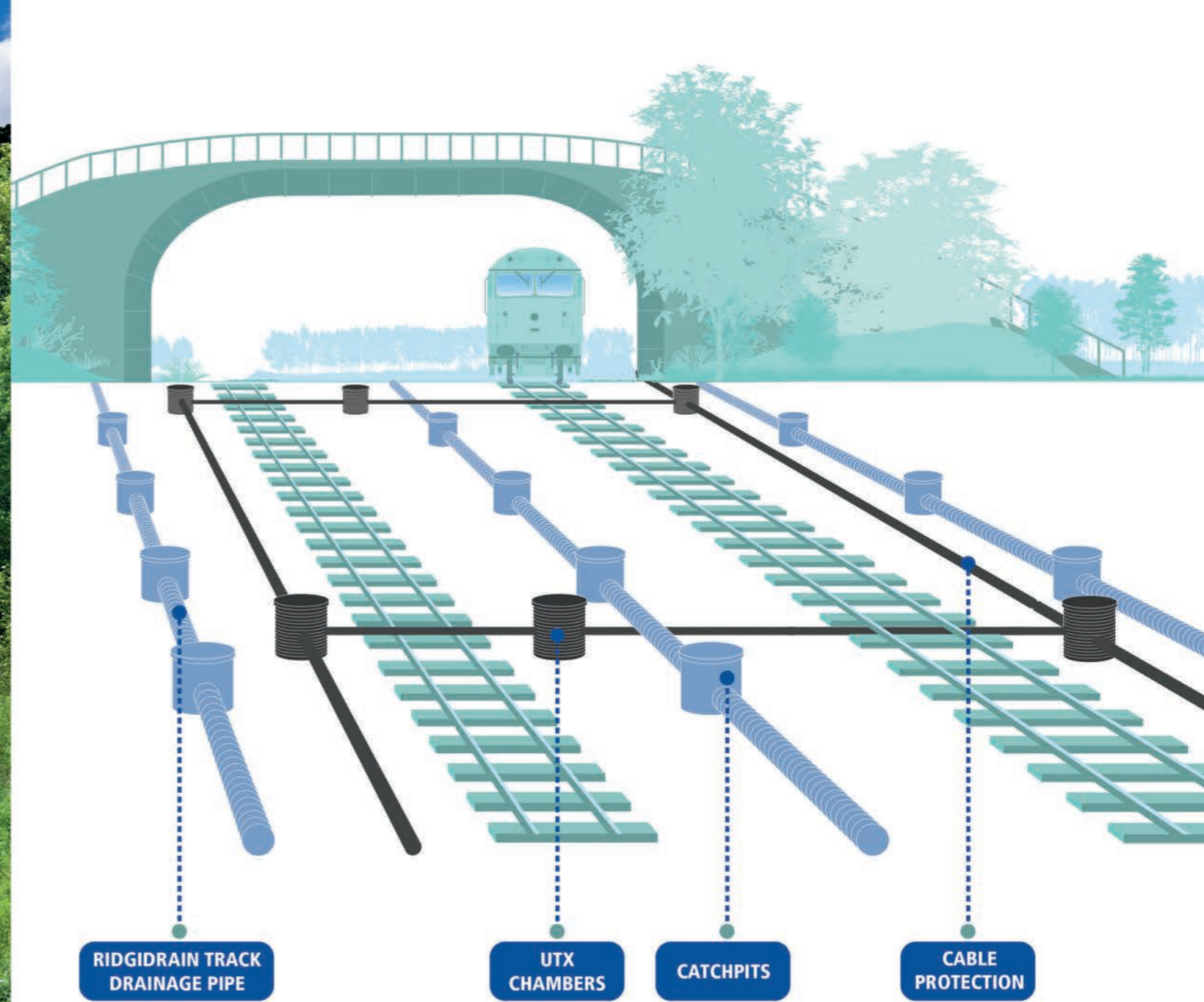


Innovation



Sustainability

ON TRACK



Polypipe's PADS approved **lightweight, high strength systems** are specifically designed for **fast, safe installation**. More efficient to transport and handle than conventional materials, they offer the **most carbon effective solution** in the operationally sensitive trackside environment.

DRAINAGE SYSTEMS

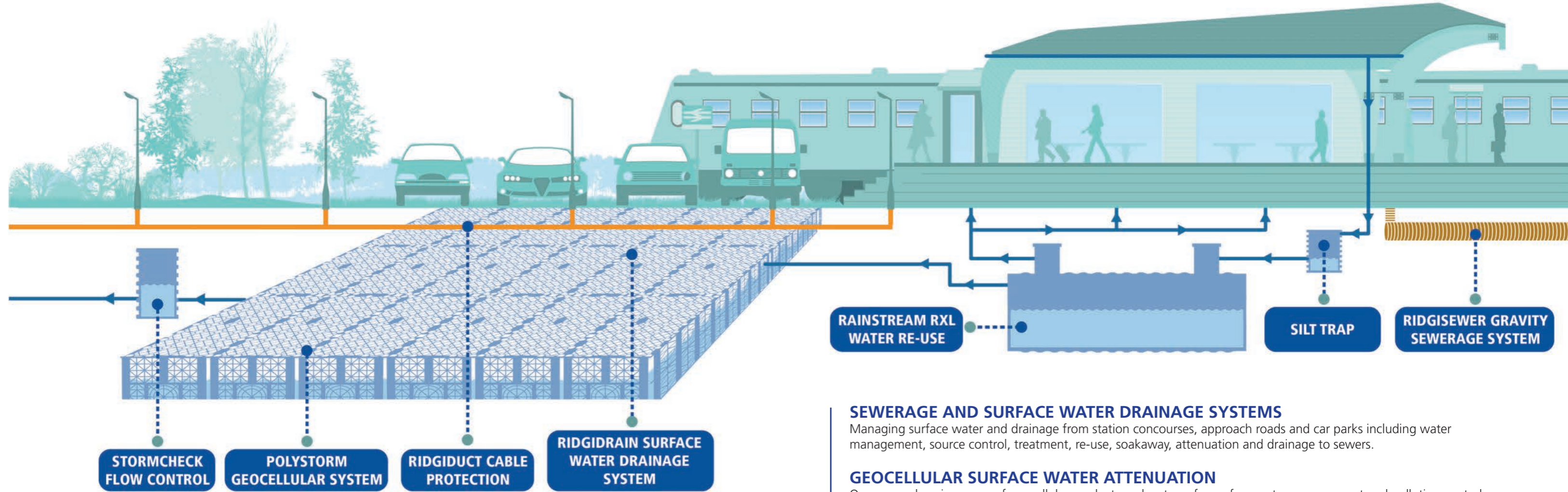
Versatile and lightweight, Ridgidrain pipe is easy to handle providing high strength and efficient trackside drainage.

MANHOLES AND CATCHPITS

Quick and easy to install, our manholes and catchpits are lightweight and pre-fabricated offsite to bespoke specifications, brought to the trackside when they are needed.

CABLE PROTECTION

Robust and lightweight, Ridgiduct is durable with high impact resistance to safeguard signalling and power cables.



**STORMCHECK
FLOW CONTROL**

**POLYSTORM
GEOCELLULAR SYSTEM**

**RIDGIDUCT CABLE
PROTECTION**

**RIDGIDRAIN SURFACE
WATER DRAINAGE
SYSTEM**

**RAINSTREAM RXL
WATER RE-USE**

SILT TRAP

**RIDGISEWER GRAVITY
SEWERAGE SYSTEM**

Polypipe offers the rail industry the widest range of high performance surface water, sewerage and cable management systems.

SEWERAGE AND SURFACE WATER DRAINAGE SYSTEMS

Managing surface water and drainage from station concourses, approach roads and car parks including water management, source control, treatment, re-use, soakaway, attenuation and drainage to sewers.

GEOCELLULAR SURFACE WATER ATTENUATION

Our comprehensive range of geocellular products and systems for surface water management and pollution control. With a choice of products for shallow or deep excavations, our Permavoid and Polystorm systems can match exact site specifications and loading conditions.

SILT TRAPS AND FLOW CONTROLS

Polypipe offers a complete range of chambers specially designed for surface water treatment, drainage access and maintenance as well as systems to manage the discharge rate of surface water.

RAINWATER HARVESTING

By harvesting rainwater, a constant supply of water can be maintained, whatever the weather. In periods of heavy rain, rainwater harvesting takes pressure off local drains and limits the potential of flooding. Our above and below ground tanks provide rainwater capture, filtration and storage solutions.

CABLE PROTECTION

Our robust cable protection solutions safeguard essential systems like lighting, ticket machines and CCTV cameras in railway stations.



**OFF
TRACK**

GREEN URBANISATION

Green Urbanisation (GU) is a breakthrough that is inspiring a re-imagination of rail infrastructure. By combining proven water management systems with the benefits and potential of emerging connective technologies, GU is pushing the performance envelope, bringing sustainable ecosystems into the heart of our transportation network.

GREEN CORRIDORS

By integrating surface water management systems with on and off-track green assets, extended high-functioning corridors can be developed.

ENHANCED CUSTOMER EXPERIENCE

GU supported green assets at close proximity to customer touch points delivers a uniquely beneficial experience.

CIRCULAR ECONOMY AND RESOURCE EFFICIENCY

Smart and passive irrigation reduces the levels of potable water used to maintain GU corridors and landscapes.

CLIMATE CHANGE RESILIENCE

Connected green assets coupled to smart weather and climate monitoring minimises the impact of extreme weather events.

COMMUNITY, LEGACY AND WELLBEING

Creating GU assets benefits the communities around track infrastructure. Ongoing health, wellbeing and education programmes ensure lasting legacies.

BIODIVERSITY NET GAIN

GU establishes and supports richer, more diverse and measurable natural habitats.





WORKING IN PARTNERSHIP

Our product knowledge and service teams provide an unrivalled level of technical support for rail infrastructure engineers, contractors and operators.

ENGAGEMENT

Through early engagement, our team becomes a partner in your project offering you advice and support on the optimum solutions. We use the latest communication tools and modelling software to ensure the process runs smoothly from start to finish.

SERVICE SUPPORT

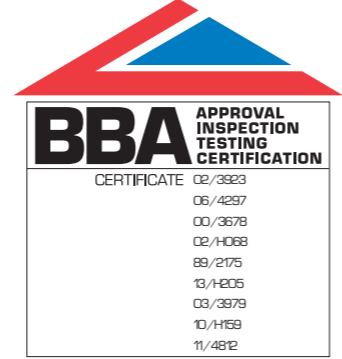
Our technical services team provides advice from product specification, on-site guidance, post-installation support, operational optimisation through to maintenance planning.

TRAINING AND DEVELOPMENT

Our team is available to support with your ongoing learning and development requirements. We can offer your team bespoke learning packages, accredited CPDs and technical workshops.

COMPLIANCE

Compliance and certifications are absolute priorities, and we work closely with regulatory bodies to ensure our products meet all UK and international regulations for performance and sustainability. Wherever possible, our products are covered by third party accreditations.



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