

ECS

Environmental 



The innovative solution

InfraCore[®]**inside**

Cycle & Foot Bridges

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The Innovative Solution

Composite revolution

Fibre reinforced polymer (FRP) is a very durable, lightweight modern alternative to traditional construction materials and can be used to produce cost effective and innovative solutions for pedestrian and cycle bridges.

Bespoke Design

The shape, curvature and style of the bridge can all be decided at the design stage of the project. More complex structures are easier to manufacture using composite materials when compared to more traditional materials.

Cycle and footbridges up to 18 metres in length can be built using a single span while much greater lengths can be achieved using a modular system that enables a series of spans to be joined together to produce the desired length. In this way the bridge can be easily transported to site by road without the increased costs and planning associated with exceptional loads.

The flexibility of the composite material enables many different designs of handrailing to be included so that the appearance of the bridge blends in with the surrounding architecture.

Lightweight Construction

Fibre reinforced composite bridges are up to three times lighter than traditional concrete or steel structures, while also being stronger and easier to maintain.

Most bridges require at least one mobile crane to install them and this can form a significant part of the project cost. The lightweight construction of composite bridges allows the specification and cost of the crane to be reduced as well as the overall installation time.

Cycle and footbridges are constructed to allow 5kN/m² and occasional vehicular traffic, such as emergency vehicles or maintenance vehicles that need to access the surrounding area.





Excellent Durability

Cycle and footbridges made from traditional materials require regular maintenance to keep them in good condition, especially those of a wooden construction. More and more of these are now being replaced with composite bridges that are much more durable and require almost zero maintenance.

Products manufactured by FiberCore Europe come with a 50 year guarantee and have a design life of 100 years.

Full turnkey solutions

ECS Engineering Services is the exclusive UK distributor for products manufactured by FiberCore Europe and offers a complete turnkey solution throughout the UK. With over 20 years' experience in delivering high quality, reliable and cost effective engineering solutions, ECS specialises in bespoke construction projects, with existing clients including the majority of UK water utility companies, Government agencies and internal drainage boards.

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