



**NEW:**  
**FIBRE REINFORCED COMPOSITE BRIDGES**

**A revolutionary innovation in bridge building.**

In areas including aerospace, the automotive industry, the utility industries and shipbuilding, the use of fibre reinforced plastics ( FRP ) has long been established. The advantages of this composite material are such that clever applications have found their way into the civil engineering industry. The unique composite bridges of Janson Bridging are perfect examples of this.

Demand for composite bridges is increasing rapidly, and that's not surprising. The technological developments in the field of fibre reinforced plastics in recent years has been significant. Bridges made entirely of composite and hybrid structures – steel bridges carrying FRP decks – are produced by the Vacuum Assisted Resin Transfer Moulding Process. Through pultrusion techniques, deck profiles for pedestrian and traffic bridges are produced. This has led to applications in bridge building that until recently were not possible, and with investments that are extremely attractive, both in cost per year as well as in relation to the technical capabilities of steel or concrete bridges. Our composite bridges and pontoons provide convincing evidence.

**The unprecedented advantages of composite bridges**

There is much to tell about the benefits of the multitude of bridges and pontoons built with fibre reinforced plastic. We would welcome the opportunity to elaborate on this in a one to one meeting with you. But to give you an idea beforehand, we have highlighted the most important points.

**Lightweight**

Lighter foundations, lower transportation and installation costs.

**Strong**

Many times stronger than steel and or concrete.

**Environmentally Friendly**

Three times less environmental impact than steel and concrete and no emissions during production.

**Maintenance free**

No structural maintenance required on the main construction.

**Sustainable**

Calculated lifetime of more than 100 years.

**Safe**

Materials meets the highest fire resistance standards, are impact resistant, are inherently resistant to fatigue.

**Cost-conscious**

Competitive with steel and concrete and cheaper in terms of the net present value calculation.

**Customized design and flexibility**

Each Janson Bridging composite bridge can be custom designed and finished. The handrails, anti skid surface and exterior of the bridge can be profiled to suit your requirements. The span, width, camber, construction height and load capacity can to be chosen without restriction. And, no special equipment is required for fixing the parapets or bearings for the bridge. The result is a striking, robust and extremely durable bridge with a unique style and appearance.

