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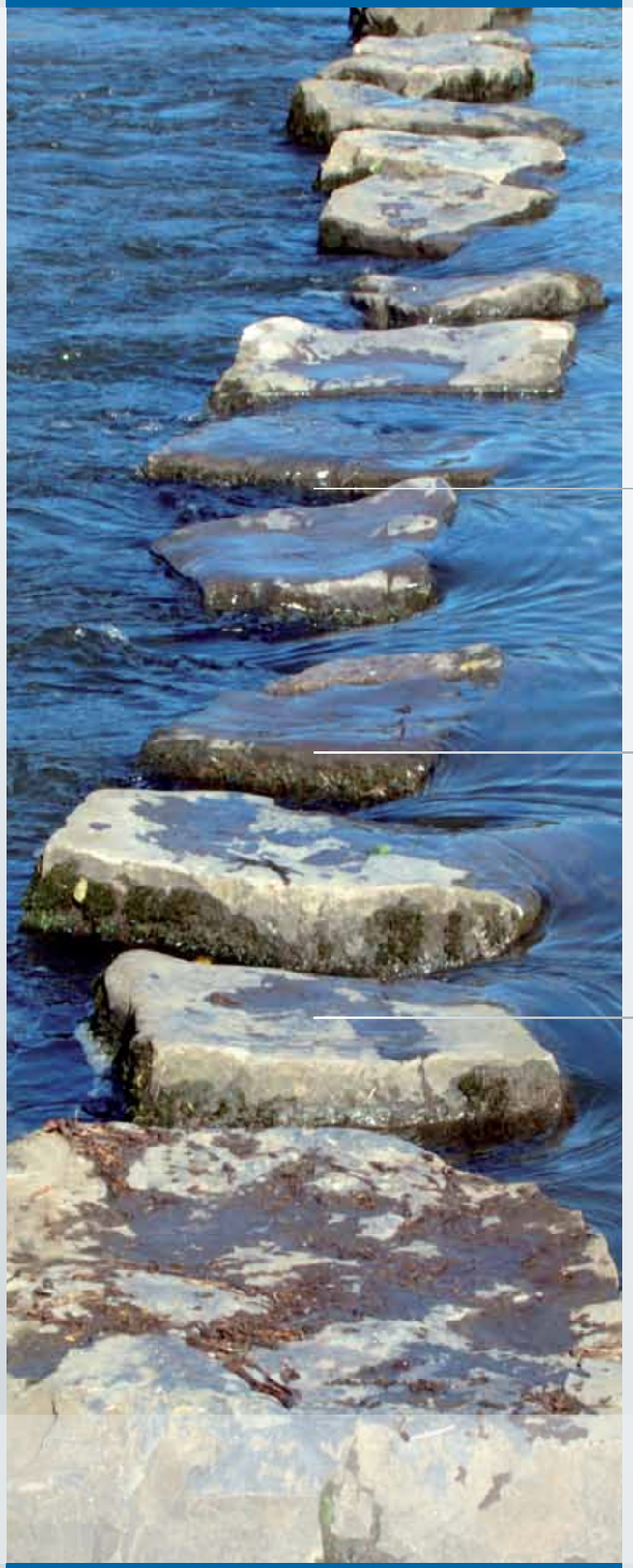
JANSONBRIDGING
COME ACROSS



Product Range

Bridges

Pontoons

RoRo's

BRIDGES | PONTOONS | RORO'S
modular solutions

JANSONBRIDGING
COME ACROSS

Design, manufacturing, erection on site in rent and or sale



Proven quality according the Eurocode Standard

All Janson products are designed and developed in house by our own experienced engineers and manufactured to the Eurocode Standard. Janson products are available for permanent, temporary and emergency solutions and they can suit any customer requirement from civil to industrial or military use. The manufacturing, logistic and assembly organization allows us to expedite projects extremely quickly.

From idea to installation

Our organization can follow all phases of the realization of a structure, from it`s initial design to it`s production and installation. Upon request projects can be carried out on a turnkey basis. The supply of solid but fast and easy to assemble modular products form the backbone of our services.

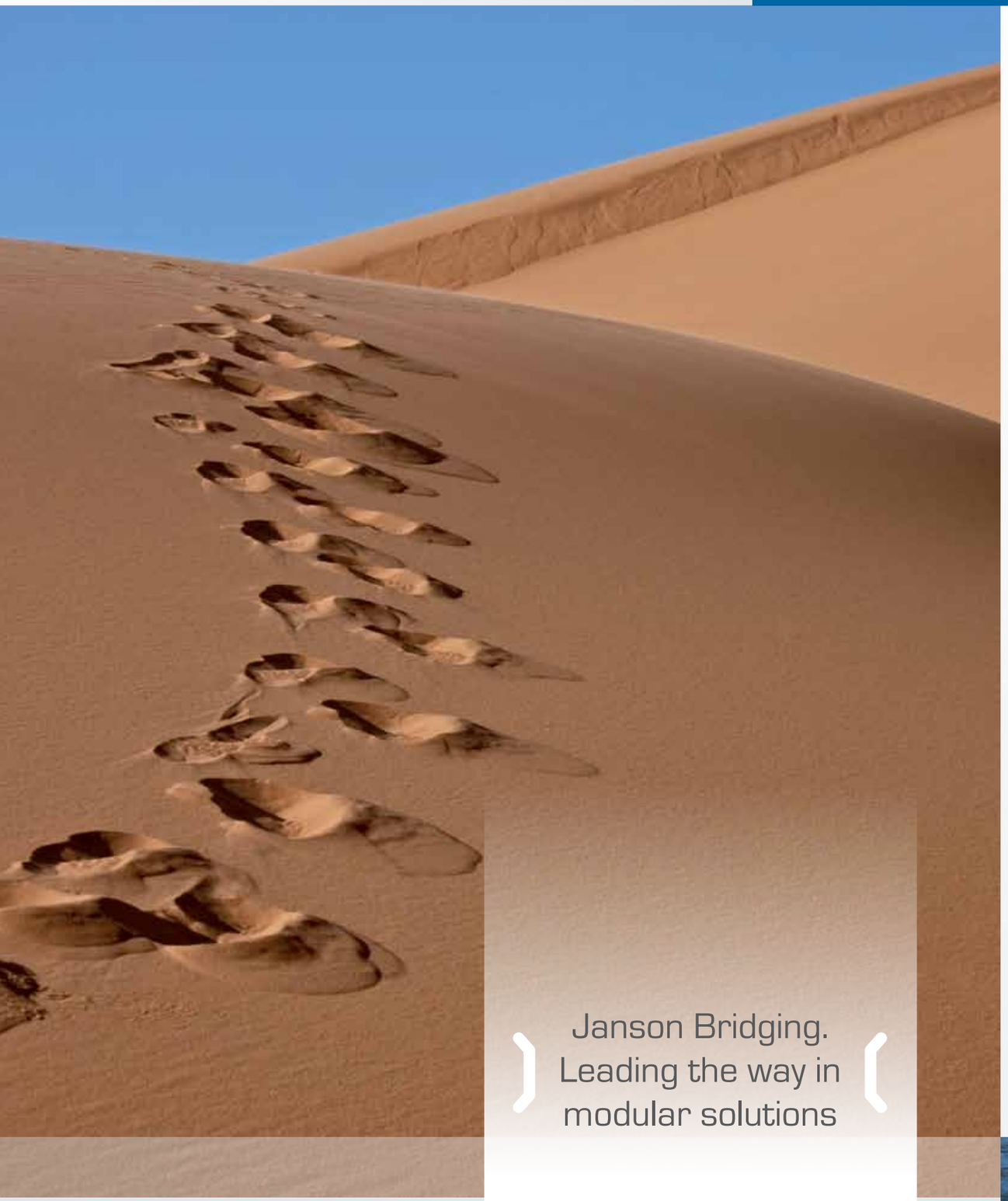
Directly from stock. Quick, easy and money saving!

Janson Bridging owns the world's largest stock, over 20.000 tonnes of directly available standard modular Euro Code designed bridges, pontoons and RoRo equipment. All our products are available for rent, sale or lease.

Whatever, wherever, whenever

Since 1972 Janson Bridging has effected over 5.500 bridge, pontoon and RoRo projects. Janson Bridging's vast experience and ability in providing completely personalised design, supply and installation, has led us to become the best in Europe, giving you what you want, where you want it and when you want it.



Janson Bridging.
Leading the way in
modular solutions

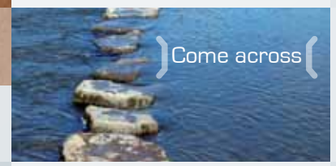
Overview

Bridges

Pontoons

RoRo's

Customized solutions



Janson bridges.
Performance under
extreme conditions

Bridges

Janson Beam Bridges

Janson's Beam Bridge units (code JSK) are designed for temporary and permanent applications wherever short span bridges up to 21 meter for all general traffic are required.

Because of the special coupling system and integrated lifting lugs, the pre-assembled Janson Beam Bridge Units can be installed rapidly saving time and money. The low profile of the bridge units reduces the need for long approach ramps. The Janson Beam Bridge is the ideal system to span existing bridges that have insufficient capacity for the loads using them.

Each Beam Bridge unit has a width of 1.5 or 2.1m. By joining the units side to side, any required road width within the modules can be achieved (3.0m - 3.6m - 4.2m - 4.5m - etc). The outer units can be equipped with parapet rails and kerbs or pedestrian fencing.
The units are available in depths of 300mm and 450mm and have an integrated anti-skid surface consisting of epoxy resin embedded with aggregate.

Janson Beam Bridge JSK 300 series

Unit length	4, 6 and 9 meters
Unit width	1.5 and 2.1 meters
Deck height inclusive of bearings	0.33 meters
Deck Surface	Epoxy resin embedded with aggregate
Parapets	Traffic and Pedestrian
Finish	Units: High durability paint RAL 7001
	Parapets: hot dip galvanized
	Fasteners: spun galvanized

Janson Beam Bridge JSK 450 series

Unit length	10.5, 13.5, 15.7 and 21 meters
Unit width	1.5 and 2.1 meters
Deck height inclusive of bearings	0.48 meters
Deck Surface	Epoxy resin embedded with aggregate
Parapets	Traffic and Pedestrian
Finish	Units: High durability paint RAL 7001
	Parapets: hot dip galvanized
	Fasteners: spun galvanized

Janson's bridge systems are designed and manufactured based on the Eurocode standard satisfying any pedestrian or traffic requirement. Janson's bridge systems are the perfect solution where interruption of the traffic flow due to re-construction work is undesirable or unacceptable.

Janson Plate Girder Bridges

Janson's Plate Girder Bridge units (code JSB) are designed for temporary and permanent applications particularly in areas of heavy traffic conditions where single spans up to 40 meters for all general traffic are required.

Janson's Plate Girder Bridge system has been designed and manufactured for speed of erection. The units are transported to site, lifted into position and bolted together in minimal time. They can be connected laterally (side-by-side) and longitudinally (end-to-end) offering a vast range of free spans and road widths.
Multiple spans can be constructed as continuous bridges, simply supported spans or broken spans using span junction equipment.

Each unit has a width of 2.5 or 3.5m. By joining the units sideways any required road width within the modules can be achieved (3.5 - 5.0 - 6.0 - 7.0 - etc.). The exterior units can be equipped with parapet rails and kerbs or pedestrian fencing. The units are built from steel trusses with integrated steel trough decks which have an integrated antiskid surface consisting of epoxy resin embedded with aggregate.

Janson Plate Girder Bridge JSB 100 series

Unit length	6, 9, 12 and 24 meters
Unit width	3.5 meters
Maximum single span	36 meters
Deck height inclusive of bearings	1.18 meters
Deck Surface	Epoxy resin embedded with aggregate
Parapets	Traffic and Pedestrian
Finish	Units: High durability paint RAL 7001
	Parapets: hot dip galvanized
	Fasteners: spun galvanized

Janson Plate Girder Bridge JSB 200 series

Unit length	10.5, 13.5 and 19.5 meters
Unit width	2.5 and 3.5 meters
Maximum single span	40.50 meters
Deck height inclusive of bearings	1.20 meters
Deck Surface	Epoxy resin embedded with aggregate
Parapets	Traffic and Pedestrian
Finish	Units: High durability paint RAL 7001
	Parapets: hot dip galvanized
	Fasteners: spun galvanized

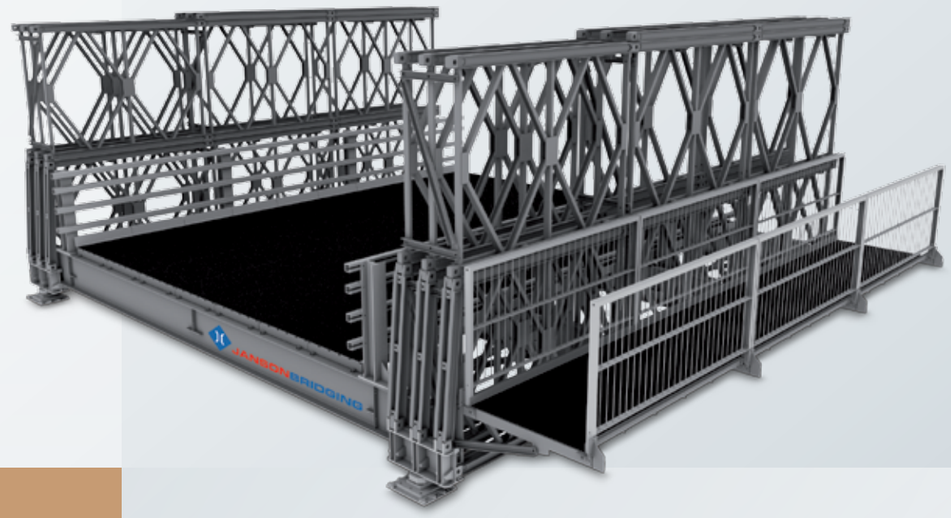
Janson's bridge systems are designed and manufactured based on the Eurocode standard satisfying any pedestrian or traffic requirement. Janson's bridge systems are the perfect solution where interruption of the traffic flow due to re-construction work is undesirable or unacceptable.

Janson Panel Bridges

Janson's Panel Bridge system (code JPB) is designed for temporary and permanent applications wherever bridges with spans up to 400ft (122 meters) for all general traffic are required. The system is based on the original Bailey Bridge concept using trusses assembled from modular panels.

The individual components are designed to be mechanically built enabling the installation of the modular panel bridge in sites that are inaccessible for heavy vehicles and heavy cranes.

The Janson Panel Bridge has been developed to outperform other panel system available in the market by providing additional flexibility in erection methods, minimizing the number of components and erection tools, flexibility in bearing methods, high fatigue resistance, higher safety margins, possibility of exceptional high loads, optimum containerization, possibility of using the system for railways, flexibility in deck capacity and deck types and use of standard available fasteners. Single or multi span bridges may be constructed using standard equipment.



Janson's Panel Bridge system is a modular system where basic components, the modular rectangular panels with 3.048m length, are pinned and bolted together to form the bridge's longitudinal trusses. The trusses can be assembled in various constructions to form girders where strength is tailored to suit the span and loading of the individual bridge.
The transoms carrying the traffic decks are positioned between the longitudinal trusses and they are available in 3 different widths. Standard deck units are available in 6 different capacity types and are bolted directly to the transoms.

Janson Panel Bridge JPB series

Panel module dimension	3.048 meters (10ft) long and 2.120 meters high	
Roadway widths	Standard 3.169 meters	
	Extra wide 4.219 meters	
	Two lane 7.369 meters	
Maximum single span in double storey configurations using standard equipment	AASHTO HS 20	Standard 85.34 meters
		Extra wide 85.34 meters
		Two lane 85.34 meters
	BS 5400 HA	Standard 85.34 meters
		Extra wide 85.34 meters
		Two lane 73.15 meters
	European	Standard 85.34 meters
		Extra wide 85.34 meters
		Two lane 70.10 meters
Deck height inclusive of bearings	AASHTO HS 20 /25 loading: between 0.839 and 1.149m	
	European loading: between 1.099 and 1.177m	
Deck types	Steel plate with epoxy resin embedded with aggregate	
	Steel plate with raised chequer pattern	
	Fyber Reinforced Polymer (FRP) with epoxy resin embedded with aggregate	
	Steel through deck with locally supplied aggregate infill	
	Open grid steel deck	
	Timber	
Parapets	Traffic	
Finish	Hot dip galvanized	

Janson's bridge systems are designed and manufactured based on the Eurocode standard satisfying any pedestrian or traffic requirement. Janson's bridge systems are the perfect solution where interruption of the traffic flow due to re-construction work is undesirable or unacceptable.

Janson Truss Bridges

Janson's Truss Bridge system (code PSB) is a permanent structure that has been particularly developed for rural areas infrastructure where resources and transport facilities are limited, for emergencies (floods, earthquakes) and for peace keeping operations.
With its external appearance combined with the high quality durable construction the system has increasingly proved to be an ideal permanent solution for developing countries.

The bridge is practical in design, requiring only a limited number of components. The components required can be carried by light vehicles, be handled manually and are fully containerizable. Complete erection by hand, without the availability of cranes is an important feature of the Janson Truss Bridge system. Assembly of the bridge may be carried out using unskilled labour under the supervision of an experienced engineer. The bridge may be erected using the standard cantilever launch methods or lifted in using a crane. Single or multi span bridges may be assembled using standard equipment.

Janson Truss Bridge PSB 275 series

Module dimension	4.00 meters long by 2.75 meters high
Basic Roadway widths	Standard 3.25 meters
	Extra wide 4.00 meters
	Two lane 7.50 meters
Maximum single span based on AASHTO HS20-44 loading	Single lane 56 meters
	Double lane 36 meters
Deck height inclusive of bearings	0.85 meters
Deck types	Steel plate with epoxy resin embedded with aggregate
	Steel plate with raised chequer pattern
	Fyber Reinforced Polymer (FRP) with epoxy resin embedded with aggregate
	Steel through deck with locally supplied aggregate infill
	Open grid steel deck
	Timber
Parapets	Traffic and Pedestrian
Finish	Hot dip galvanized

Janson Truss Bridge PSB 400 series

Module dimension	6.00 meters long by 4.00 meters high
Roadway widths	Standard widened 3.50 meters
	Ultra wide 4.50 meters
	Two lane 7.50 meters
Maximum single span based on AASHTO HS20-44 loading	Single lane 60 meters
	Double lane 42 meters
Deck height inclusive of bearings	1.046 meters
Deck types	Steel plate with epoxy resin embedded with aggregate
	Steel plate with raised chequer pattern
	Fyber Reinforced Polymer (FRP) with epoxy resin embedded with aggregate
	Steel through deck with locally supplied aggregate infill
	Open grid steel deck
	Timber
Parapets	Traffic and Pedestrian
Finish	Hot dip galvanized

Janson's Truss Bridge system is a modular system whose longitudinal trusses are built up using standard interchangeable components forming modular lengths (bays) of 4.0 or 6.0 meters. All components are bolted together using standard fasteners. During manufacturing, welding is kept to a minimum ensuring a high fatigue life. The trusses can be assembled in various constructions to form girders whose strength is tailored to suit the span and loading of the individual bridge.
The transoms carrying the traffic decks are positioned between the longitudinal trusses and they are available in various widths, all with increments of 0,25m. Standard deck units are available in different capacity types and are bolted directly to the transoms.

Janson's bridge systems are designed and manufactured based on the Eurocode standard satisfying any pedestrian or traffic requirement. Janson's bridge systems are the perfect solution where interruption of the traffic flow due to re-construction work is undesirable or unacceptable.

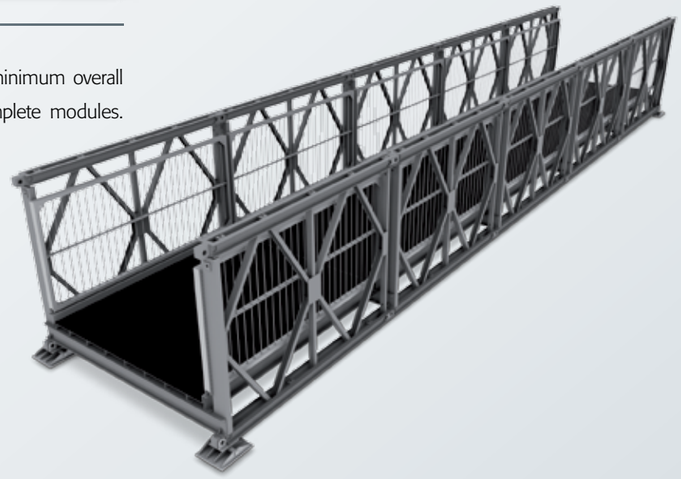
Janson Pedestrian Bridges

Janson's modular Pedestrian Bridge range consists of two systems: the Janson Pedestrian Panel Bridge system and the Janson Pedestrian Truss Bridge system.

Janson Pedestrian Panel Bridge

Janson's Pedestrian Panel Bridge system (Code JPB Ped) is designed for temporary and permanent applications wherever bridges with spans up to 61 meters are required. On sites where cranes cannot get access to the bridge, it can be erected using the standard cantilever launch method. Assembly of the bridge may be carried out using unskilled labour under the supervision of an experienced engineer. Single or multi span bridges may be assembled
using standard equipment.

The Janson Panel Pedestrian Bridge is designed for minimum overall width bridges that can be transported to site in complete modules. The bridge modules are pinned together to form the bridge's longitudinal trusses. The trusses can be assembled in various constructions to form girders whose strength is tailored to suit the span and loading of the individual bridge.
Specials designed 'U' frame transoms are bolted to each end of the truss panels. Onto the 'U' frames, special swaybraces, deck and pedestrian rail panels are bolted, together forming a stable bay. The bridge is supplied in 3 standard deck widths.



Janson Pedestrian Panel Bridge JPB series

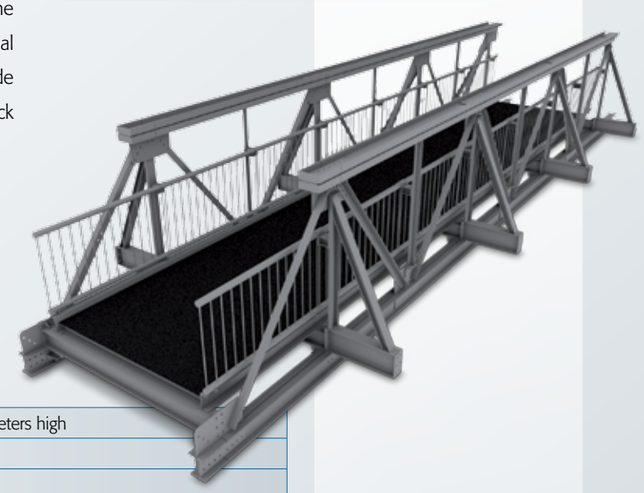
Panel module dimension	3.048 meters (10ft) long by 2.12 meters high
Deck widths	Standard 2.00 meters
	Standard wide 2.50 meters
	Extra wide 3.0 meters
Maximum single span based on EuroCode loading	Standard 54.90 meters
	Standard wide 54.90 meters
	Extra wide 48.80 meters
Deck height inclusive of bearings	0.60 meters
Deck types	Steel plate with epoxy resin embedded with aggregate
	Fyber Reinforced Polymer (FRP) with epoxy resin embedded with aggregate
	Open grid steel deck
	Timber
Parapets	Pedestrian fence panels
Finish	Hot dip galvanized

Bridges

Janson Pedestrian Truss Bridge

Janson's Pedestrian Truss system (Code PSB Ped) is designed for permanent applications wherever pedestrian bridges with spans up to 48 meters are required.

Janson's Pedestrian Truss Bridge system is a modular system whose longitudinal trusses are built up using standard interchangeable components forming modular bays of 4.0 meters. All components are bolted together using standard fasteners.
The trusses can be assembled in various constructions to form girders where strength is tailored to suit the span and loading of the individual bridge. The transoms carrying the foot walk decks are positioned between the longitudinal trusses. Pedestrian rail panels can be bolted to the inside of the trusses. The bridge is supplied in 3 standard deck widths.



Janson Pedestrian Truss Bridge PSB series

Module dimension	4.00 meters long by 2.75 meters high
Roadway widths	Narrow 2.00 meters
	Standard 2.50 meters
	Wide 3.00 meters
Maximum single span based on EuroCode loading	48 meters
Deck height inclusive of bearings	0.82 meters
Deck types	Steel plate with epoxy resin embedded with aggregate
	Fyber Reinforced Polymer (FRP) with epoxy resin embedded with aggregate
	Open grid steel deck
	Timber
Parapets	Pedestrian fence panels
Finish	Hot dip galvanized

Janson's bridge systems are designed and manufactured based on the Eurocode standard satisfying any pedestrian or traffic requirement. Janson's bridge systems are the perfect solution where interruption of the traffic flow due to re-construction work is undesirable or unacceptable.

Janson pontoons
keep equipment and people
afloat around the world

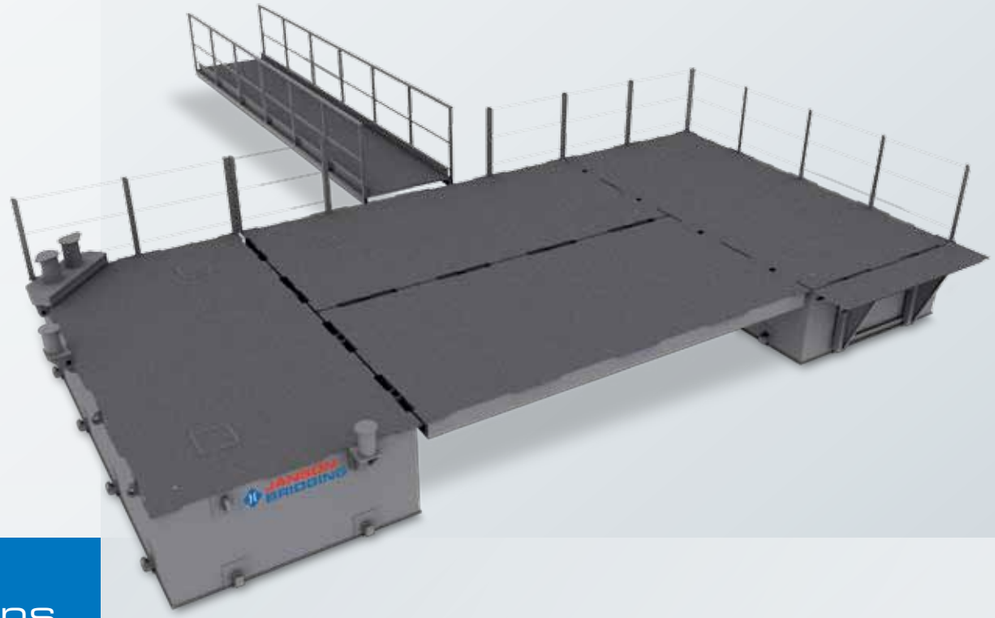
Pontoons

Janson's Couple Pontoon are designed and manufactured in accordance with international marine registry rules, satisfying marine and ship construction requirements.

Janson Couple Pontoons

Janson's modular Couple Pontoons (code JCP) assure a quick, easy and inexpensive way to create platforms on water. They are used for civil works enabling cranes, excavators or drilling machines to work on water, for landing stages and for special events such as stands, theatre sets, firework shows etc.

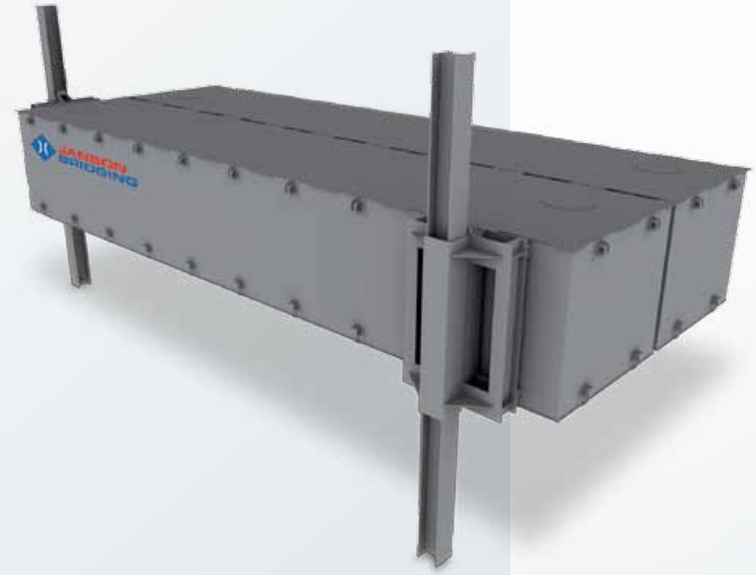
The single units can be connected together in various configurations to make a variety of platform layouts: square, rectanglular, H or U shape configurations, etc.



Pontoons

The Janson Couple Pontoons are designed to be transported in standard trucks. They are lowered into the water by crane, using the upper couplers as lifting lugs. Once on the water, because of the simplicity and effectively engineered coupling systems, the pontoons can be quickly coupled without any mechanical assistance from deck level with 2 unskilled operatives positioned on each pontoon.

By using a wide range of auxiliary equipment such a gangways, bollards, fenders, spud legs, etc. the flexibility of Janson's Couple Pontoons can be further enhanced.



Janson Couple Pontoons

STANDARD SPECIFICATION	
Unit width	2.50 meters
Maximum permissible uniformly distributed deck load	7.500 kg/square meters
External Finish	Shot blast to SA 2.5
	2 layer High durability preservation system with minimum 250 microns dry thickness.
	Deck with antiskid paint
Internal Finish	Shot blast to SA 2.5
	1 layer zinc epoxy paint with minimum 90 microns dry thickness.

Janson's Couple Pontoon are designed and manufactured in accordance with international marine registry rules, satisfying marine and ship construction requirements.

Janson Couple Pontoon JCP 100 series

Unit height	1.00 meters	
Unit length 2.50 meters	Unit depth	0.42m
	Unit weight	2.280 kg
	Gross tonnage	0.91 gtw
	UDL at 300mm freeboard	280 kg/square meters
Unit length 5.00 meters	Unit depth	0.33m
	Unit weight	3.700
	Gross tonnage	2.01 gtw
	UDL at 300mm freeboard	370 kg/square meters
Unit length 7.50 meters	Unit depth	0.31m
	Unit weight	5.230 kg
	Gross tonnage	3.08 gtw
	UDL at 300mm freeboard	390 kg/square meters

The units comprise of robust all welded structural steel frames, with 6 mm thick skin plates, a 10 mm thick reinforced deck and an 8 mm thick reinforced bottom plate. Couplers are designed with a resistance of 20 ton in each direction. Propulsion units, workboats and winches are available for the movement of platforms. Special infill deck elements can be used to increase stability and surface area reducing the number of pontoons required in a platform where a high floating capacity is not required.

Janson Couple Pontoons are available in 3 different heights: 1.00, 1.50 and 2.00 meters.

Janson Couple Pontoon JCP 150 series

Unit height	1.50 meters	
Unit length 5.00 meters	Unit depth	0.39m
	Unit weight	4.350 kg
	Gross tonnage	3.22 gtw
	UDL at 300mm freeboard	800 kg/square meters
Unit length 7.50 meters	Unit depth	0.38m
	Unit weight	6.850 kg
	Gross tonnage	4.20 gtw
	UDL at 300mm freeboard	840 kg/square meters
Unit length 12.50 meters	Unit depth	0.35m
	Unit weight	10.000 kg
	Gross tonnage	7.40 gtw
	UDL at 300mm freeboard	850 kg/square meters

Janson Couple Pontoon JCP 200 series

Unit height	2.00 meters	
Unit length 7.50 meters	Unit depth	0.45m
	Unit weight	7.650 kg
	Gross tonnage	5.80 gtw
	UDL at 300mm freeboard	1.170 kg/square meters
Unit length 12.50 meters	Unit depth	0.40m
	Unit weight	11.500 kg
	Gross tonnage	9.70 gtw
	UDL at 300mm freeboard	1.220 kg/square meters

Pontoons

Janson's Couple Pontoon are designed and manufactured in accordance with international marine registry rules, satisfying marine and ship construction requirements.

Janson RoRo's. The flexible link between water and land

RoRo's

BRIDGES | PONTOONS | RORO'S

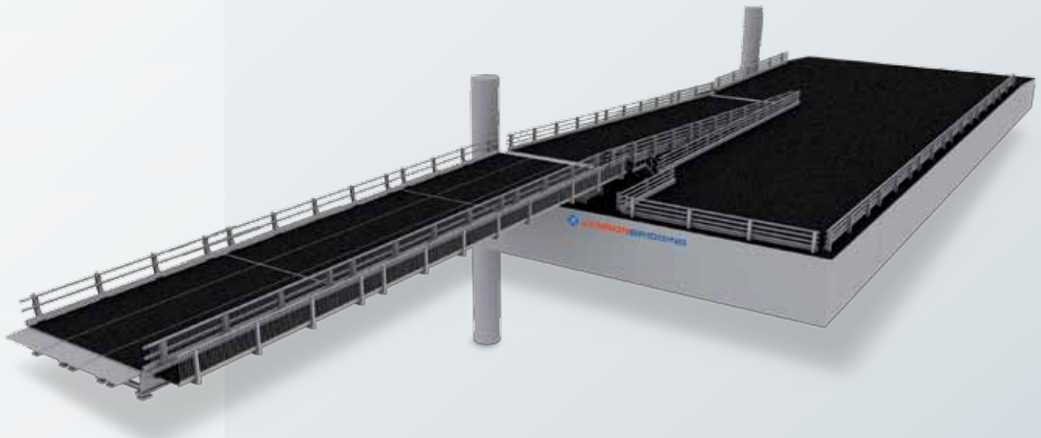
rent & sale

Janson's RoRo Pontoons are designed and manufactured in accordance with international marine registry rules, satisfying marine and ship construction requirements.

Janson RoRo's

Janson's RoRo systems embody the synergy advantages by combining Janson's modular pontoons, creating a floating platform and a link span from Janson's modular bridge units.
It is the ideal solution in seaports with tidal movements, to facilitate the loading and discharging of marine vessels.

Janson Bridging can supply permanent or temporary RoRo systems, in modular units or tailor made to the customer's specifications. The permanent installation is designed and tailored to accommodate tidal movements, currents, wind load, wave patterns & mooring facilities for a specific location. By using the modular RoRo system, where the length of the linkspan and the size of the pontoons are flexible, a configuration allowing the mooring of several vessels for simultaneous loading and/or discharging, can be designed. Supply may be possible directly from stock or can be newly manufactured at short notice due to the modular design and fabrication principle. Renting with an option to buy after an agreed period has proven to be an attractive option..

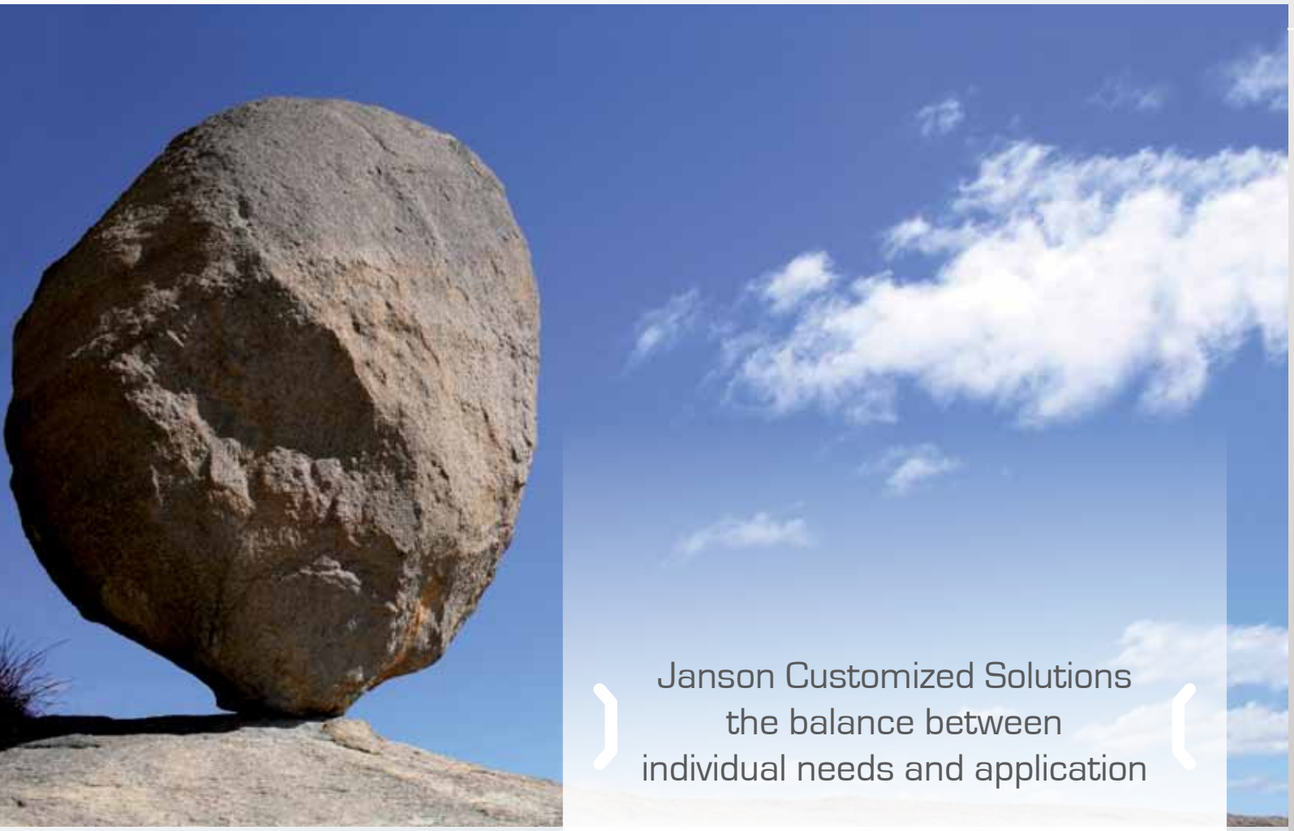


Janson's RoRo's are designed to comply with internationally accepted certification and have optimized dimensions to facilitate easy transportation to site allowing for passage through locks and inner harbours. The modular RoRo pontoons allow for standard deck equipment such as bollards, kerbs, parapets, fenders and towing facilities.
The pontoons have compartments for possible water ballasting. The deck system can carry heavy loads such as Roll Trailers whilst maintaining a maximum freeboard as required. The heavy coupling system is designed for imposed loadings and for easy coupling facilitated above the waterline.

Janson Roll On Roll Off Pontoon

	300 SERIES	400 SERIES
Unit width	10.0 meters	10.0 meters
Unit length	15.0 and 20.0 meters	25.0 meters
Unit height	3.0 meters	4.0 meters
Maximum UDL at 1.0m freeboard	1.6 tonnes/ square meters	2.5 tonnes/square meters
Empty draft /unit depth	0.40 meters	0.50 meters
Maximum permissible deck load	10 tonnes/square meters	
Maximum vehicle load	Roll trailers 85 ton	
Allowable tension couplings	1200kN	
Allowable shear couplings	2000kN	
Allowable bending couplings	3200kN combined with 2000kN shear	
External Finish	Shot blast to SA 2.5	
	2 layer High durability preservation system with minimum 250 microns dry thickness.	
	Deck with antiskid paint or epoxy resin embedded with aggregate.	
Internal Finish	Shot blast to SA 2.5	
	1 layer zinc epoxy paint with minimum 90 microns dry thickness.	

Janson's RoRo Pontoons are designed and manufactured in accordance with international marine registry rules, satisfying marine and ship construction requirements.



Janson Customized Solutions
the balance between
individual needs and application

Customized Solutions

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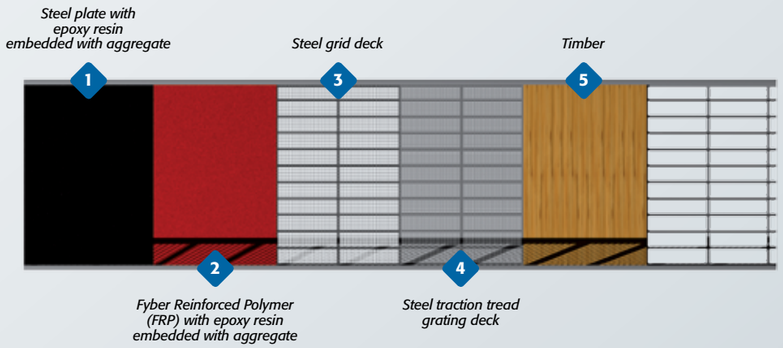
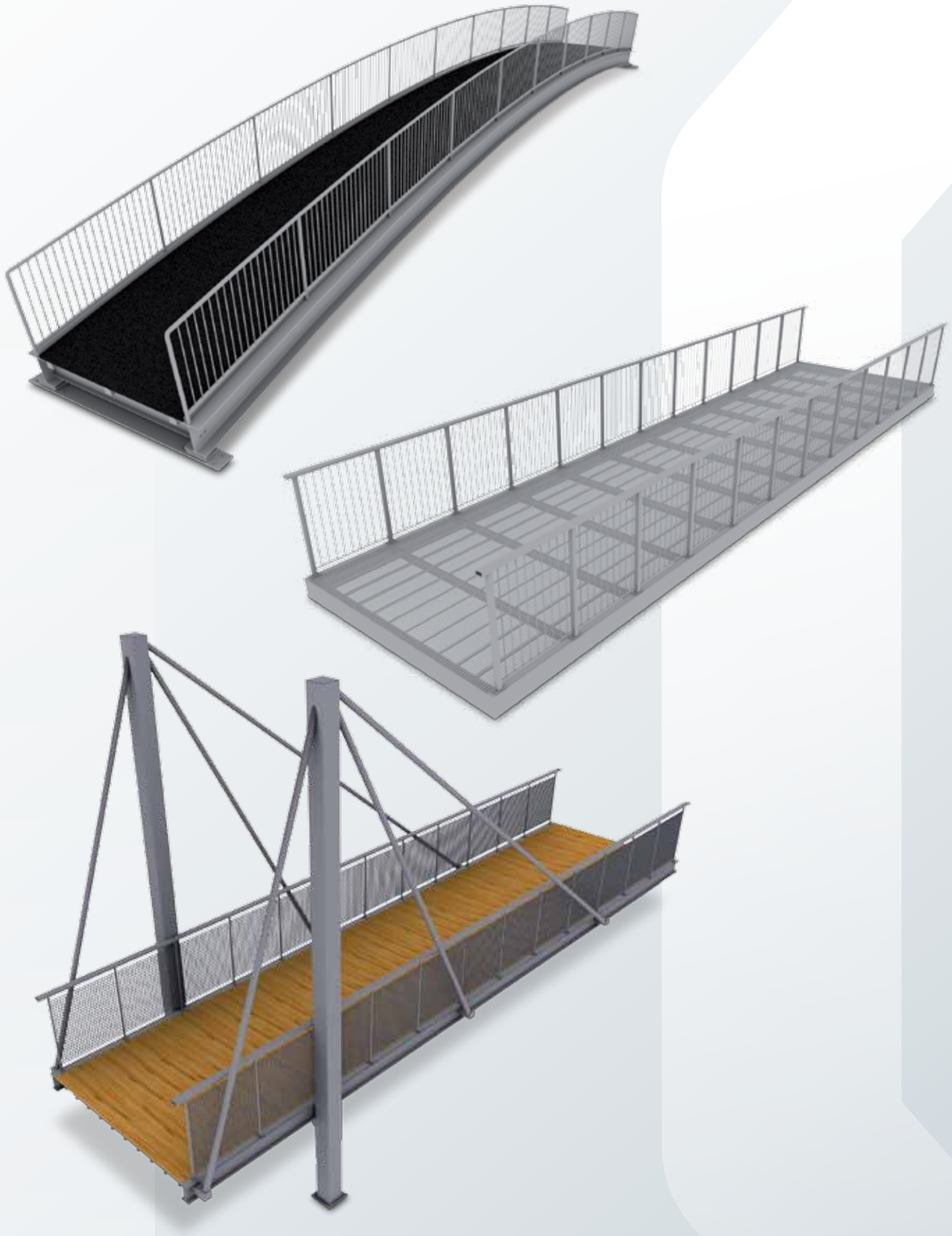
Janson's Customized Bridge Solutions
are designed and manufactured based on the modularity principle satisfying any requirement
relating to span, width, shape, camber, material type, parapets, color, etc.

Janson Customized Solutions

Janson`s Customized Bridge Solutions are developed with Janson's vast experience of modular bridge building as a basis. Various designs for permanent applications are available in different spans. Janson's customized system enables customers to 'design' their own bridge, choosing from different girder types, deck systems, deck types and parapets. The customer also has a choice between all steel or composite structures, or a combination of both (hybrid structures).





Customized Solutions

Janson's Customized Bridge Solutions
are designed and manufactured based on the modularity principle satisfying any requirement relating to span, width, shape, camber, material type, parapets, color, etc.

Janson Customized Solutions

Because of (pre)engineering of the various parts and standardized production methods, delivery and installation can be effected on short notice without the need for long design lead times and purchasing processes.

Customized Solutions

New: Fibre reinforced plastic 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 a Pultrusion technique, deck profiles for pedestrian 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 compelling evidence.

Lightweight
Lighter foundations, lower transportation and installation costs

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 and many times stronger than steel and concrete

Cost-conscious
Competitive with steel and concrete and cheaper in terms of the `net present value calculation`

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 our customers. But to give you an idea beforehand, we have highlighted the most important points.

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 rails or bearings for the bridge. The result is a striking, robust and extremely durable bridge with a unique style and appearance.

100 YEARS SUSTAINABLE

Janson's Customized Bridge Solutions
are designed and manufactured based on the modularity principle satisfying any requirement relating to span, width, shape, camber, material type, parapets, color, etc.

Come across and connect with us

With headquarters and sales office for projects outside Europe located in the Netherlands, subsidiaries in 8 European countries and a network of over 30 agencies worldwide, making contact with the people of Janson Bridging is very easy.

Contact

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