CERTIFIED MANUFACTURER InfraCore inside

PORTFOLIO

#prefab**composite** #**bridges**and**lockgates** #**infracore**inside
#**sustainable** #maintenance**free** #**less**transport #**lower**co_2

FiberCore® europe

Building **the future**

In 1995 Jan Peeters developed the first publicly accessible composite bridge in Europe in Harlingen (NL). He further develops his product into the revolutionary composite construction method: the InfraCore® technology. In 2008 he founded FiberCore Europe with Simon de Jong.

Where there was no demand in 2008,
FiberCore created it.
We recently sold our 1000th bridge.

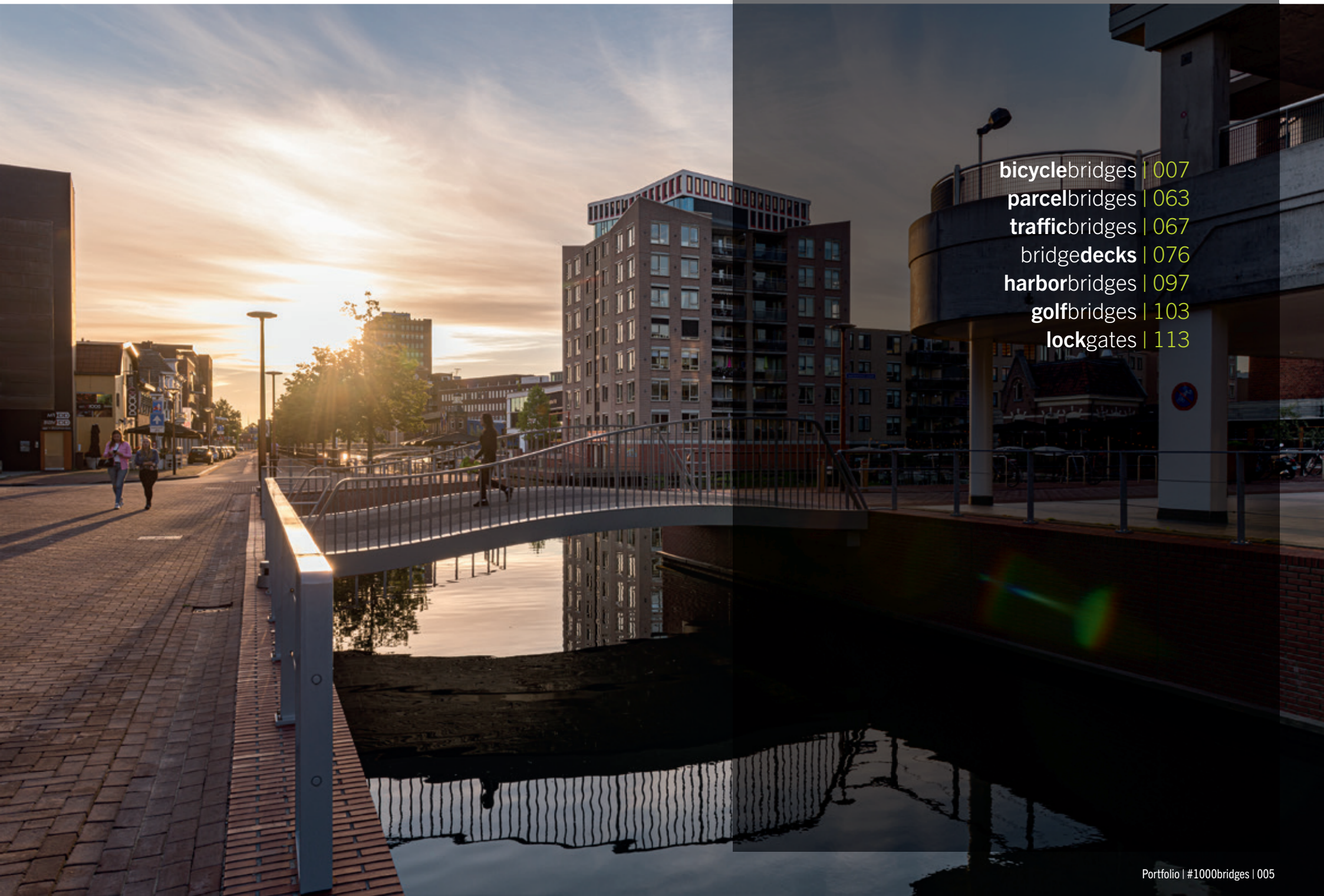
#1000bridges #creatinghistory #proudmoment
FiberCore Europe. Building the future.

#portfolio

We have already built more than a thousand prefab composite bridges and lock gates with InfraCore® Inside. In many shapes and sizes. From the longest prefab composite bridges to the largest lock gates in the world. From lightweight golf bridges to bridges suitable for the heaviest traffic. But also special bridges, such as fauna bridges and ski bridges. Some simple and standard, others in special shapes and sizes. With every project one step closer to recognition of composite as a building material in infrastructure.

In this portfolio you will find a small part of our first thousand bridges. We proudly continue to build and innovate.

FiberCore Europe. Building the future.



BICYCLE BRIDGES

#**bicycle**bridges

THAT IS WHY:
A FIBERCORE EUROPE BICYCLE BRIDGE

- Extremely strong with InfraCore® Inside
- Sustainable and low maintenance
- Resistant to weather influences
- Lifespan of > 100 years
- Delivered prefab on site
- Light weight
- Quick and easy to install
- Repositionable
- Only need a light foundation
- Designed according to Eurocode / CUR96
- Circular

The development of the InfraCore® technology enabled FiberCore Europe to install the first prefab composite bridge in the Netherlands back in 2007. With a span of 24 meters, this was also the longest prefab composite bridge span in the world at the time. With this, FiberCore put composite as a building material in the infrastructure firmly on the map.

Now, more than a thousand bridges further, composite has become a fixed value as a building material in the construction and infrastructure sector.

Safe & strong

FiberCore bicycle bridges are extremely strong, thanks to the patented InfraCore® technology. Moreover, no fatigue or corrosion occurs. The bridges have a lifespan of more than a hundred years and retain their shape and strength even after years of use. So you can be sure that the bridge is and remains safe.

Low maintenance & vandal-proof

Less maintenance means lower costs. That is another reason why more and more governments are opting for prefab composite bridges. Because composite has quite a few pleasant properties. Such as insensitivity to mold and moisture, and resistance to all forms of vandalism, such as graffiti and fire. UV radiation and temperature changes have no effect on composite.

Fast & simple to place

We produce each bridge in our own factory in Rotterdam (NL). We deliver the prefab bridge to the location in just one transport movement. On location we hoist the bridge into place in one go. Just a light crane will do. Thanks to the low own weight, only a light foundation is required. Installation takes little time, so the nuisance for the environment remains limited. If desired, we also provide the foundation and/or the complete installation of the bridge.

BICYCLE BRIDGES

#**bicycle**bridges

Standardized bicycle bridges

In addition to custom solutions, FiberCore Europe also supplies standardized bicycle bridges. By means of standardized engineering, precisely calculated by our constructors, and optimal planning in our factory, these *new standard* bridges are competitively priced and quickly available. With the colour scheme and finish of the deck and the execution of the railing, almost any appearance can be achieved. From ultra sleek and modern, to classic and rural.

- Standard engineering
- Fast delivery
- Competitive pricing
- Spans of up to 16 meters
- Width up to 4.5 meters

Custom bicycle bridges

Composite offers many possibilities and freedom in the design of bridges. The possibilities are endless due to the freedom of form of the material. Achieve any desired look - from modern to classic - with countless options in finish, custom handrails, coatings and wear layers.

Even for the heaviest traffic classes, you can make optimal use of the freedom of design of our composite bridge decks with customization.

- Own engineering
- No size limitations
- Freedom of form
- Design freedom
- Wider choice of wear layers and colors
- Custom railings

#1000Tholen #thousandthbridge

THOUSANDTH FIBERCORE BRIDGE
9.5 METER
NEW STANDARD BRIDGE

#1000 | 2020 | THE NETHERLANDS | THOLEN

Project number: 20-464
Type: Bicycle bridge
Length: 9.5 meter
Width: 1.75 meter
Class: 5kN/m² + service vehicle
Client: Municipality of Tholen
In cooperation with: Aquavia

A special moment in the development of prefab composite bridges: the 1000th prefab composite bridge with InfraCore® Inside from FiberCore Europe will be installed in September 2020 in the Municipality of Tholen. The bridge is part of a project by Aquavia (part of KWS) from Sas van Gent, in which three composite bridges will be installed. These are not the first composite bridges for the Municipality of Tholen; previously, FiberCore already supplied four bridges. The bridge was installed on September 8, 2020 and will be festively opened on October 1 (as far as possible in connection with COVID-19).

The bridge represents a milestone in the young history of composite as a construction material for the construction of bridges. FiberCore was at the cradle of this revolutionary development.

#001 Dronten **#first**bridge

THE FIRST PREFAB COMPOSITE BRIDGE
IN THE NETHERLANDS
24 METER (THE WORLD'S LONGEST AT THE TIME)

#001 | 2008 | THE NETHERLANDS | DRONTEN

Project number: 07-001
Type: Bicycle bridge
Length: 24 meter
Width: 5 meter
Class: 5kN/m² + service vehicle
Client: Municipality of Dronten
In cooperation with: Haasnoot Bruggen

In 2007 Haasnoot Bruggen installed the first prefab composite bridge in the Netherlands at the Beursplein in Dronten (NL). At the time, with over 24 meters, it was also the longest composite span in the world!

A milestone for FiberCore and the first chapter for the use of prefab composite bridges in the construction and infrastructure sector, where they became acquainted with the unique properties of our bridges.

FiberCore founder Simon de Jong at the time in the Technisch Weekblad:

Because the bridge is made of carbon fiber-reinforced composite, the bridge has a unique combination of properties, according to Simon de Jong of producer FiberCore Europe. The material is stronger than steel and requires little maintenance. The lifespan is almost endless, making reuse possible. De Jong: "Because the material is self-supporting, a second-hand bridge can be shortened to any desired length. In addition, the costs remain at the same level as those of steel and concrete because our production process runs as a series."

According to De Jong, there is also no reason to fear resonances because their bridges are designed for stiffness in contrast to bridges made of concrete and steel. "Technically, you can make carbon composite bridges that bend a meter when you walk over them."

FiberCore Europe from Rotterdam designed and produced the bridge for the municipality of Dronten on behalf of Haasnoot Bruggen. "The material is also more environmentally friendly," says De Jong. "All FiberCore products are produced in closed processes without any CO2 emissions. While concrete in particular is a very environmentally unfriendly product."

#135DNAbridge

25 METER
SPECIAL DESIGN

#135 | 2017 | THE NETHERLANDS | ENSCHEDE

Project number: 16-228
Type: Bicycle bridge
Length: 24 meter
Width: 5.5 meter
Class: 5kN/m² + service vehicle
Client: Municipality of Enschede
In cooperation with: Wurck Architecten | Reef Infra
Photography: Jan de Vries

The DNA of Enschede, the Twente region and the Kennispark realized in one bridge: the DNA bridge is an embodiment of the transformation of Enschede as an important textile city into a modern high-tech city.

A special combination of high-tech materials makes the bridge unique. In the DNA bridge, materials have been applied in the way that they come into their own. High, strong steel arches support the longitudinal span of 24 meters and the composite bridge deck supports the span between the arches. Road surface and steel structure work together in a way that reduces deflection and adds strength.

This creates a light, low-maintenance arch suspension bridge, in which the combination of material properties is used to the maximum. This makes it possible to suffice with a deck thickness of only 30 cm.

#894Dronten

16 METER
SPECIAL DESIGN
FREEDOM OF FORM

#894 | 2020 | THE NETHERLANDS | DRONTEN

Project number: 19-400
Type: Bicycle bridge
Length: 16 meter
Width: 4 meter
Class: 5kN/m² + service vehicle
Client: Municipality of Dronten
Photography: Jan de Vries

The bridge over the Rendiertocht was designed by buro MA.AN from Rotterdam.

The bridge is located in the northwest of Dronten and provides access to the Elandpad. This is a cycling route to Swifterband, among others. This full composite bridge is almost identical in design to a number of other bridges in this district of Dronten.

The bridge is approximately 16 meters long and 4 meters wide and has a widening on one side which can be used as a viewpoint.

#168Haarlem

16 METER
TWO BRIDGES
NOSTALGIC RAILINGS

#168 | 2012 | THE NETHERLANDS | HAARLEM

Project number: 11-026
Type: Bicycle bridge
Length: tot 16 meter
Width: 7 meter
Class: 5kN/m² + service vehicle
Client: Municipality of Haarlem
In cooperation with: Gebr. Schouls Leiden

These two bridges, fitted with a special, traditional railing, were installed in 2012 to replace two weathered timber bridges. Thanks to the railing and bridge deck with footpath, the modern bridge still fits perfectly into the old Haarlem city center.

The Zuiderfietsbridge has a trapezoidal shape, but is nevertheless prefabricated and cleverly assembled from two parts.

Both bridges are equipped with provisions for the pipework of public utilities. Below is a main gas transport pipe with a diameter of no less than 600mm. The facilities have been created behind and below the overhang so that despite their size, the pipes are not visible.

#243Rotterdambridges

OVER 70 BRIDGES
FREEDOM OF FORM

#243 | 2013-2019 | THE NETHERLANDS | ROTTERDAM

Project number: 13-071
Type: Bicycle bridge
Length: various
Width: various
Class: 5kN/m² + service vehicle
Client: Municipality of Rotterdam
In cooperation with: Wallaard | Olaf Gipser Architects | Vista Landschapsarchitectuur en Stedenbouw | Development company Municipality of Rotterdam

In recent years, FiberCore Europe has replaced more than 70 obsolete timber bridges in the Beverwaard district on behalf of the Municipality of Rotterdam. These old bridges were supported by intermediate supports in the water, which have become superfluous with the installation of the composite bridges.

The properties of composite as a building material in bridges are good here due to the characteristic 'kinks' in the design of the bridges; a reference to characteristic old Dutch polder bridges.

Due to their beautiful design (the 'Rotterdambrug'), the bridges have become true showpieces for Rotterdam.

#276Weverskade

10 METER
FREEDOM OF FORM

#276 | 2013 | THE NETHERLANDS | MAASSLUIS

Project number: 13-072
Type: Bicycle bridge
Length: 10 meter
Width: 3.5 meter
Class: 5kN/m² + service vehicle
Client: Municipality of Maassluis
In cooperation with: Plein06 Architecten | Wilgenrijk BV

This beautiful bicycle bridge connects two unequal banks with each other; the south bank is higher than the north bank. The double bar guarantees cycling comfort and also creates an aesthetic effect.

Plein06 Architecten visited the FiberCore Europe factory before the start of the design phase of this bridge and was inspired by the design possibilities with the freedom of form of composite. The result of the collaboration is this beautiful bridge.

#481Exercitiesingel

20 METER
COMPOSITE HANDRAIL
PARTICULARLY SLIM DECK

“These modern bridges can be more expensive to purchase, but **the long lifespan** makes a huge difference in maintenance and therefore in the wallet”

RONALD SCHNEIDER
ALDERMAN FOR URBAN DEVELOPMENT AND INTEGRATION
MUNICIPALITY OF ROTTERDAM

#481 | 2015 | THE NETHERLANDS | ROTTERDAM

Project number: 15-166
Type: Bicycle bridge
Length: 20 meter
Width: 1.9 meter
Class: 5kN/m^2
Client: Municipality of Rotterdam
In cooperation with: Jules Dock | GKB

In 2015, this FiberCore bicycle and pedestrian bridge was placed over Exercitiesingel in Rotterdam. The bridge has a length of 20 meters and a width of 1.9 meters. Yet the bridge is only 25 centimeters thick and therefore has a slim and sleek appearance.

Also special about this bridge is the abstract designed handrail, made entirely in composite by Jules Dock.

The bicycle-pedestrian bridge serves as a transition to the path to the nearby cemetery, Kralingen-Crooswijk.

#468Biobridge

9 METER
BIO BASED BRIDGE

#468 | 2018 | THE NETHERLANDS
SCHIPHOL LOGISTICS PARK

Project number: 15-157
Type: Bicycle bridge
Length: 9 meter
Width: 2 meter
Class: 5kN/m^2
Client: SADC
In cooperation with: TU Delft | Mafic S.A. | Poly Base Produktie B.V.
3A Composites | Royal Haskoning DHV

Schiphol Logistics Park officially put the composite bio-based bridge on the logistics business park in Rozenburg (NH) into use in 2018. Schiphol Logistics Park, FiberCore Europe and TU Delft have joined forces for this special pedestrian bridge. Never before has it been possible to produce a bridge structure in a regular construction process with such sustainable products. The composition of the materials makes the bridge innovative and special.

Basalt fibers are made from the basalt rock, the igneous volcanic rock that is created by the solidification of lava. In addition to the strength of the fiber, the material is also fully recyclable. The resin used for this bridge is partly of natural origin. Polyester resin is made from a reaction of a large number of molecules with both a carboxylic acid and an alcohol group in the molecular chain. To make this, bio-resin glycol that comes from vegetable glycerine is used.

#541BijlmerBeauties

28 METER
TWO BRIDGES
FREEDOM OF FORM

#541/542 | 2016 | THE NETHERLANDS | AMSTERDAM

Project number: 16-208
Type: Bicycle bridge
Length: 28 meter
Width: 5.5 meter
Class: 5kN/m² + service vehicle
Client: Municipality of Amsterdam
In cooperation with: Korth Thielens Architecten | K_Dekker
Photography: Stefan Müller

To replace two timber bridges in the Amsterdam Bijlmer, the municipality of Amsterdam and the Zuidoost district organized a competition among architectural firms. The design by Korth Tielens Architecten won that competition. FiberCore composite bridges with InfraCore® Inside were chosen because of the freedom of form and the sustainable character of the material.

The architectural firm called the bridge itself a Bijlmer Beauty. This invented term goes back to the bridge railings, in which part of the history of the Bijlmermeer has been incorporated. With a specific approach to the bridge, representations of Bijlmer sculptures can be seen in railings.

#550Amsterdam

91.5 METER
HYBRID CONSTRUCTION (ON STEEL)
RENOVATION

#550 | 2016 | THE NETHERLANDS | AMSTERDAM

Project number: 16-213
Type: Bicycle bridge
Length: total 91.5 meter
Width: 8 meter
Class: 5kN/m² + service vehicle
Client: Municipality of Amsterdam
In cooperation with: K_Dekker

A special project, this bridge renovation in Amsterdam. For the Municipality of Amsterdam, FiberCore Europe renovated two bridges - with outdated wooden bridge decks on a steel construction - over Allendelaan in Amsterdam-West with a prefab composite bridge deck.

These large bridge decks could be installed quickly, with minimal disruption to traffic and the environment. The result: a sleek bridge that, thanks to minimal maintenance and a long lifespan, the municipality hardly has to worry about anymore.

#575 Hattem

24 METER

#575 | 2017 | THE NETHERLANDS | HATTEM

Project number: 16-221
Type: Bicycle bridge
Length: 24 meter
Width: 3 meter
Class: 5kN/m² + service vehicle
Client: Municipality of Hattem
In cooperation with: GKB

This beautiful wedged composite bridge is located in Hattum between the streets of Tallinn and Bremen. This slim, durable, lightweight bridge forms a new pedestrian and bicycle connection within Assenrade. Assenrade is the last expansion area of Hattem and has a high quality and good facilities. The richly detailed and distinctive architecture refers to the historic city center of Hattem.

#589Woerden

11 METER
5 BRIDGES

#589 | 2016 | THE NETHERLANDS | WOERDEN

Project number: 16-229
Type: Bicycle bridge
Length: 11 meter
Width: 1.5 meter
Class: 5kN/m² + service vehicle
Client: Municipality of Woerden

From a distance, these bridges look just like old-fashioned timber bridges in a typical Dutch polder landscape, and that is exactly the intention! In reality these bridges are the modernized version; made of composite with handrails made of recycled plastic.

Unlike the earlier timber bridges, they are now maintenance-free, but not much else has changed. After the first series of five bridges, the municipality was so satisfied that they subsequently ordered three more.

#638Neptunigatan

15 METER
FREEDOM OF FORM
LED-HANDRAILS
SEA CLIMATE
SWEDEN

#638 | 2019 | SWEDEN | MALMÖ

Project number: 17-249
Type: Bicycle bridge
Length: 15 meter
Width: 2.4 meter
Class: 5kN/m² + service vehicle
Client: Malmö Stad
In cooperation with: Reinertsen / ÅF | NCC

During the day she already looks beautiful, with her graceful slender shapes and special white bridge deck, but do you want to see her in all its glory; then visit her when it gets dark. It is at its most beautiful with its elegantly illuminated handrails.

This special bridge makes use of some of the unique properties of composite like no other. The freedom of form of our prefab composite bridges is fully utilized in this sloping design. But composite is also an excellent choice for the maritime climate of Malmö: the material is insensitive to external influences (such as salts) and does not rust or rot. In addition, the bridge is virtually maintenance-free and therefore a sustainable solution.

Due to its light weight, the prefab bridge was placed on the historic quay walls of Malmö in no time with minimal disruption to the environment.

#639Gemert

LONGEST SPAN
37 METER

> Because the bridge only weighs 26 tons, we were able to **install it very quickly**, in half a day, without inconvenience to local residents

ROB LEENDERS
PROJECT MANAGER | BAM INFRA

#639 | 2017 | THE NETHERLANDS | GEMERT

Project number: 17-250
Type: Bicycle bridge
Length: 37 meter
Width: 3.5 meter
Class: 5kN/m² + service vehicle
Client: Province Noord-Brabant
In cooperation with: BAM Infra

Commissioned by the province of Noord-Brabant, FiberCore produced a prefab composite bicycle bridge with 37 meters of free span; our longest free span. The bridge is part of the Gemert Noord-Om project that was carried out by BAM Infra. The Noord-Om forms the link between the N605 and the N272, which runs southeast of Gemert.

"The installation went extremely smoothly," says Rob Leenders, project manager at BAM Infra. "Because the bridge weighs only 26 tons, we were able to install it very quickly, in half a day, without inconvenience to local residents." BAM Infra notices that provinces are increasingly asking for both innovative and sustainable solutions for the construction of new infrastructure. "The application of new materials or new techniques is appreciated and we are happy to play a role in that," says Leenders.

#707Hjelmeland

34 METER
NORWAY
FCE AGENT: MSS

#707 | 2018 | NORWAY | HJELMELAND

Project number: 17-295
Type: Bicycle bridge
Length: 34 meter
Width: 3 meter
Class: 5kN/m² + service vehicle
Client: MSS Module Systems and Solutions (FCE Agent for Norway)

For our agent in Norway - Module Solutions & Systems - FiberCore Europe produced this 32-meter-long prefab composite bridge. The bridge was shipped to Norway, where it - loaded on a truck - covered the last 7 kilometers on winding Norwegian roads (this made for some exciting moments!). At the final destination in Hjelmeland, the bridge was clamped on one side for extra stiffness and slimness.

The bridge will be used for a future walking and cycling route along the water. For the time being it is a handy shortened route for the school children of Hjelmeland.

#718Canadabridges

42 METER
LONGEST PREFAB COMPOSITE BRIDGE

#718 | 2019 | BELGIUM | BRUGES

Project number: 17-299
Type: Bicycle bridge
Length: 42 meter
Width: 3.8 meter
Class: 5kN/m² + service vehicle
Client: De Vlaamse Waterweg
In cooperation with: West Construct/BESIX | Expertise Beton en Staal | Departement Mobiele Werken

To replace the obsolete timber Canada bridges in Bruges, Belgium, Fiber-Core Europe supplied two prefab composite bridges, including railings. With a length of 42 meters, they are our longest prefab composite bicycle bridges in one piece.

With these bridges, the Flemish Government wants to gain experience with the use of composite as a building material. That is why the bridges were already equipped with built-in sensors during production with which the stresses and deformations can be read. Once placed, a number of test loads were carried out, after which the measurements were compared with the previously made calculations. And it turned out that the bridge behaves in an exemplary way!

#775Noordertracé

22 METER

FOUNDATION: ON HISTORIC QUAY WALLS

#775 | 2019 | THE NETHERLANDS | MAASTRICHT

Project number: 18-334
Type: Bicycle bridge
Length: 22 meter
Width: 4.5 meter
Class: 5kN/m² + service vehicle
Client: Municipality of Maastricht
In cooperation with: Strukton

Early in the morning, together with Strukton, we installed this composite pre-fabricated bicycle bridge with InfraCore® Inside in the Noordbrugtracé in the Municipality of Maastricht. Kunstwerk H is the pedestrian and bicycle bridge that connects the Bosscherweg with the Lage Fronten and the Noorderbrug cycle path.

Because the bridge has such a light weight, it could be placed on the historic quay walls, without additional foundation work.

#820Breecamp

16 METER
VARIOUS BRIDGES
ART DECO

#820/821 | 2019 | THE NETHERLANDS | ZWOLLE

Project number: 18-352
Type: Bicycle bridges
Length: 16 meter
Width: 2 meter
Class: 5kN/m² + service vehicle
Client: Municipality of Zwolle
In cooperation with: Buro MA.AN | H. van Haarst BV
Photography: Buro MA.AN

H. van Haarst B.V. placed these beautiful composite bicycle bridges in the new housing estate Breecamp in the Municipality of Zwolle. A first: these are the first fully composite bridges installed in this municipality.

The bridges were designed by Buro MA.AN and, due to the design of the foundations and the railings with a special metal-look coating, are reminiscent of the Art Deco period, which fits very nicely within the residential area.

Due to the freedom of form of composite, these deviating shape bridges could still be made in one piece. These sustainable bridges are low in weight (few raw materials required), virtually maintenance-free and have a lifespan of more than 100 years.

#784 Purmerend

16 METER
REPLACEMENT 23 BRIDGES
NEW STANDARD BRIDGES

#784 | 2019 | THE NETHERLANDS | PURMEREND

Project number: 18-343
Type: Bicycle bridge
Length: 16 meter
Width: 3 meter
Class: 5kN/m² + service vehicle
Client: Municipality of Purmerend
Photography: Jan de Vries

The municipality of Purmerend is one of the largest buyers of our composite bridges. You will find FiberCore bridges in all shapes and sizes. This is a good example of our *new standard* bridge concept.

In addition to custom solutions, FiberCore Europe also supplies standard bicycle bridges. By means of standardized engineering, carefully calculated by our constructors, and optimal planning in our factory, these new standard bridges are competitive and available quickly.

With the color scheme and finish of the deck and the execution of the railing, almost any appearance can be achieved. From ultra sleek and modern, to classic and rural.

#814Lelystad

13 METER
4 *NEW STANDARD* BRIDGES

#814 | 2019 | THE NETHERLANDS | LELYSTAD

Project number: 18-349
Type: Bicycle bridge
Length: tot 13 meter
Width: tot 2.5 meter
Class: 5kN/m² + service vehicle
Client: Municipality of Lelystad
Photography: Jan de Vries

In the Waterwijk in Lelystad (NL), the municipality of Lelystad has replaced four timber bicycle bridges with fully composite FiberCore bridges. The handrails are also completely made of composite, so that maintenance is no longer to be expected.

The four old timber bridges were at the end of their life and in need of replacement. Meanwhile, two more bicycle bridges have been ordered for the same district.

All bridges have the same appearance in terms of design and color, so that the bridges fit nicely into the surroundings.

#839N231A

34 METER
LESS NUISANCE

#839 | 2019 | THE NETHERLANDS
ALPHEN AAN DEN RIJN

Project number: 18-360
Type: Bicycle bridge
Length: 34 meter
Width: 3.5 meter
Class: 5kN/m^2 + service vehicle
Client: Province Zuid-Holland
In cooperation with: KWS | Van Hattem en Blankevoort

Maintenance of the infrastructure usually causes a lot of inconvenience for local residents and road users. Long closures mean high (economic) costs and a heavy load on the alternative routes. This was recently a challenge for KWS and Van Hattem en Blankevoort during the major overhaul of the N231a near Alphen aan den Rijn - an order from the Province of South Holland - where the road had to be completely closed off. Partly by using various prefab elements, including a 34-meter-long prefab composite bicycle bridge, they managed to get the job done in just 3 weeks.

This composite bicycle bridge was supplied by FiberCore Europe, where the bridge was prefabricated in its own factory. The complete bridge, including railings and decking, was delivered by means of a special road transport. Due to its low weight and buoyancy, the bridge could be temporarily stored in a nearby water and drifted to the construction site on the day of installation, where two cranes hoisted the bridge in a few minutes. After this, it was in fact immediately ready for use.

Prefabricated composite bridges from FiberCore Europe are manufactured with InfraCore® Inside and are therefore extremely robust. With a lifespan of more than 100 years and the possibility of relocation, they also offer a sustainable, circular solution. In addition, the bridges are virtually maintenance-free and vandal-proof; provided with an anti-graffiti coating.

#869ThePinkOne

FAUNA BRIDGE
SPECIAL PROJECT
36 METER

#869 | 2019 | THE NETHERLANDS | EINDHOVEN

Project number: 19-379
Type: Fauna bridge
Length: 36 meter
Width: 3.5 meter
Class: Eurocodes
Client: Municipality of Eindhoven
In cooperation with: Dura Vermeer | Ploegam BV | Juul Rameau

FiberCore Europe produced this special composite fauna passage for the Municipality of Eindhoven. A striking statement in the landscape. A composite bridge was chosen here because of the many durable properties of the material, such as the low weight, prefab delivery and quick installation, with minimal disruption to the environment.

The bridge is a design by Juul Rameau from Eindhoven: "I was asked to design a new icon here, so it must stand out in green. But that color also refers to human activities in the area, such as the Slowlane cycle path that is red. Moreover, red/pink in nature is the color of danger, of warning. It is also a color that activates. With this I also make the connection between man and nature, as I try to do in all my works ."

#878 Friluftsbru

20 METER
SKI BRIDGE
SPECIAL COMPOSITE HANDRAIL
NORWAY
FCE AGENT: MSS

#878 | 2019 | NORWAY | TARALDRUD

Project number: 19-384
Type: (Heavy) traffic bridge
Length: 20 meter
Width: 4 meter
Class: 5kN + service vehicle
Client: MSS Module Systems and Solutions (FCE Agent for Norway)

This sustainable composite ski bridge was installed in Taraldrud, Norway. The bridge connects the Police National Emergency Preparedness Center to the surrounding areas and, due to its width and unique features, it can be used all year round without hindrance.

The bridge is part of the new emergency center for emergency services to be built and according to the first plans would be constructed in concrete. Client Ministry of Justice and contractor Skanska, however, opted for a sustainable and innovative solution; a lightweight, maintenance-free composite bridge with a special and practical design by Nordic Office of Architecture.

Composite is ideal for the intended function of the ski bridge. The material is insensitive to external influences, such as rot, rust, de-icing salts and extreme cold or heat. The prefab bridges are lightweight and therefore easy to transport and install. This 22 tonne bridge would have weighed about six times as much in a concrete version. With a length of 20 meters and a width of 4 meters, the bridge is designed for the load of half a meter of snow, plus the weight of a snowplow.

The eye-catching railing of the bridge serves several functions. The special plating on the inside of the ski bridge keeps the snow in place and prevents melt water from running on the underlying motorway. In addition to its aesthetic value, the special curved exterior plating also serves for safety. The railing is modular designed by FiberCore Europe and can be replaced quickly and easily in case of damage.

#933Sunparks

(ARTIFICIAL) TROPICAL CLIMATE

BELGIUM

FCE AGENT: CGK

#933 | 2020 | BELGIUM | MOL

Project number: 19-420
Type: Bicycle bridge
Class: 5kN/m²
Client: CGK (FCE Agent for Belgium)

'Like a fish in water', this bridge is in a special location at Sunparks Kempense Meren in Mol, Belgium. As a building material, composite is particularly suitable for the subtropical, humid climate that prevails in the swimming paradise of this holiday park. This makes the bridge easy and quick to install and resistant to external influences (no rust or corrosion).

The bridge was placed overnight, so visitors could use the swimming pool and the bridge again the next day.

#473Frombork

61 METER IN FOUR PARTS
POLAND
FCE AGENT: ROZENBLAT

#473 | 2015 | POLAND | FROMBORK

Project number: 15-162
Type: Bicycle bridge
Length: 61 meter (in four parts)
Width: 2 meter
Class: 5kN/m² + service vehicle
Client: Rozenblat (FCE Agent for Poland)
Commissioned by: Skanska

Rozenblat, our agent in Poland, supplied this bridge in Frombork (Poland) as part of a 1,885 kilometer cycle route (Green Velo). The route is a well-known and widely used tourist attraction in Poland.

#857Czorsztyn

POLAND

FCE AGENT: ROZENBLAT

#857 | 2019 | POLAND| CZORSZTYN

Project number: 19-372
Type: Bicycle bridge
Length: 27 meter
Width: 3.4 meter
Class: 5kN/m^2 + service vehicle
Client: Rozenblat (FCE Agent for Poland)
Commissioned by: Kiernia SP.Z O.O. | Podhalanskie Przedsiebiorstwo Drogowo-Mostowe S.A.

A total of eight InfraCore® Inside bridges have been installed by FiberCore agent Rozenblat on the beautiful cycling route around Lake Czorsztyn. The bridges could be placed with minimal inconvenience without affecting the beautiful surroundings .

PARCEL BRIDGES

#**parcel**bridges

THAT IS WHY:
A PARCEL BRIDGE BY FIBERCORE EUROPE

- Extremely strong with InfraCore® Inside
- Low maintenance & sustainable
- With widened impact angle
- Light weight
- Short installation time
- Vandal-proof
- Standard sizes or customization
- Multiple bridges in one transport movement
- Low CO_2 footprint
- Designed according to Eurocode/CUR96
- Circular

Do you need (multiple) parcel or plot bridges for a project and do you want a solution that is ready for the future? FiberCore parcel bridges are extremely strong, low maintenance and sustainable. If you need several bridges for a project, we can stack them and deliver multiple bridges on one transport; sustainable solutions with less nuisance to traffic and the environment.

Widened impact angle

FiberCore parcel bridges are characterized by a widened entrance, making it easier to drive up the bridge by car or truck. This significantly reduces the risk of damage to railings and vehicles!

One of the biggest design advantages of our prefab composite bridges is the freedom of form of the material. Each bridge mold is built according to customer requirements and that offers many possibilities, such as a widened entry.

Easy and quick to install

On site, the bridge can be installed quickly and easily with just a light crane on a light foundation. If desired, we can also provide the complete installation of the bridge.

Maintenance-free and vandal-proof

A composite plot bridge is practically maintenance-free. That's because composite is insensitive to mold and moisture, and resistant to UV radiation and extreme temperature changes. The material retains its dimensional stability and strength. Composite can withstand almost all forms of vandalism, like graffiti and fire. Such traces can be quickly repaired.

Standard or customized parcel bridges

Our custom parcel bridges can be adapted to any desired size and appearance. From rural to modern.

Do you want a parcel bridge that can be delivered and installed quickly? Then choose a standard size parcel bridge. Available in various standard sizes, with economical and sustainable transport options. And in various colors and finishes.

#788Purmerend

10 METER
WIDENED ENTRY

#784 | 2019 | THE NETHERLANDS | PURMEREND

Project number: 18-343
Type: Parcel bridge
Length: 10 meter
Width: 3.4 meter
Class: Eurocodes
Client: Municipality of Purmerend
In cooperation with: De Boer en De Groot

With this maintenance-free bridge, which we have realized for the Municipality of Purmerend, it is clear that the freedom of form is one of the important aspects of FiberCore bridges. By making the bridge wider on one side, the bridge is more usable in places where there is less space for turning in, such as at a connection directly to a crossing road.

BRIDGE DECKS

TRAFFIC BRIDGES

#**traffic**bridges & -bridge**decks**

THAT IS WHY:
A FIBERCORE EUROPE TRAFFIC BRIDGE

- Extremely strong with InfraCore® Inside
- Low maintenance & sustainable
- Ready for the circular economy
- Light weight
- Short assembly time
- Load-bearing capacity in all directions
- Impose lower loads and reduce stresses in the underlying construction
- 50-year guarantee on the technical construction
- 10-year warranty on the wearing layer
- Low CO_2 footprint
- Designed according to Eurocode / CUR96

More and more companies and governments are opting for composite bridges. Because of the strength of the material and its sustainable properties. A composite traffic bridge is also practically maintenance-free. That's because composite is insensitive to fungi and moisture. And resistant to UV radiation and extreme temperature changes. The material retains its dimensional stability and strength. Composite can withstand almost all forms of vandalism, like graffiti and fire. Such traces can be quickly repaired.

Fixed or movable

FiberCore offers solutions for both fixed and movable bridges. Thanks to the light own weight of the deck, a smaller – or none – counterweight and ballast cellar is required.

Very sustainable solution

A composite traffic bridge from FiberCore Europe is very sustainable. This is due to the low weight, the little maintenance required and the long lifespan. In addition, fewer transport movements are required to install the bridge, which has a beneficial effect on CO_2 emissions.

Easy to install with little nuisance

The traditional way of bridge construction causes quite a nuisance for the surrounding area. Streets and neighborhoods that are less accessible. Traffic jams. And maybe even damage claims.
Because we build every bridge in our own factory. We deliver the construction prefab to the construction site. Here we hoist the bridge into place in one go. Thanks to the low weight, only a light foundation is required. As a result, installing a FiberCore Europe traffic bridge takes little time. If desired, we can also provide the complete installation of the bridge.

#660Dieren

10 METER
17 METER WIDE
GLUED ON SITE

#660 | 2019 | THE NETHERLANDS | DIEREN

Project number: 17-262
Type: (Heavy) traffic bridge
Length: 10 meter
Width: 17 meter
Class: Eurocodes
Client: Province Gelderland
In cooperation with: Besix | IV-Infra | Mourik Groot-Ammers Techniek BV

Traverse Dieren was commissioned by the Province of Gelderland, but was transferred to the Municipality of Rheden after completion. The Municipality had expressed a wish in advance to manage a low-maintenance system. Another requirement was that the bridge part had to be removable and therefore had to be designed in a relatively light weight. The limitation of nuisance also played an important role.

FiberCore designed a lightweight and low-maintenance composite bridge system, which could be installed and opened up to road users in a short period of time. The bridge was too big to be delivered to the site in one part. That is why it is built in three parts, which were mounted together on site.

#7090rthenbridge

10 METER
RENOVATION

#709 | 2019 | THE NETHERLANDS | DEN BOSCH

Project number: 19-391
Type: (Heavy) traffic bridge
Length: 10 meter
Width: 12.7 meter
Class: Eurocodes
Client: Municipality of Den Bosch
In cooperation with: MTC Civiele Techniek

This bridge, dating from 1937, is located near the Citadel in Den Bosch, where the Zuid-Willemsvaart together with the Dommel and the Aa come together to flow further as Dieze. The bridge was badly damaged during the Second World War and was not repaired and put into use until 1954.

The Orthenbridge was completely renovated in the autumn of 2019 with a FiberCore bridge deck, while retaining the authentic details.

#722Wilgenrijk

UP TO 14 METER
VARIOUS BRIDGES

#722 | 2011-2019 | THE NETHERLANDS | MAASSLUIS

Project number: 18-302
Type: (Heavy) traffic bridges and bicycle bridges
Length: up to 14 meter
Width: up to 5 meter
Class: Eurocodes
Client: Municipality of Maassluis
In cooperation with: Gebiedsmanagers | Wilgenrijk BV | Dura Vermeer | Plein06 Architecten

Wilgenrijk is a green and water-rich development, which is currently being realized in a rural area between Rotterdam and The Hague, near Maassluis (NL). Themes such as sustainability, quality and future-proof play an important role in this housing development. The high-quality construction and beautiful architecture demanded a high-quality design of the public space.

Plein06 provided the beautiful design of, among other things, the bridges included in this plan. FiberCore provided the engineering and construction based on its proven InfraCore® technology. The bridges are designed for a minimum lifespan of 100 years, require little maintenance and are easy to install and relocate.

#838Almelo

9 METER
FREEDOM OF FORM
LED-HANDRAILS

#838 | 2019 | THE NETHERLANDS | ALMELO

Project number: 18-359
Type: (Heavy) traffic bridge
Length: 9 meter
Width: 7 meter
Class: Eurocodes
Client: Municipality of Almelo
In cooperation with: Van Heteren Aannemingsbedrijf | PWS
Photography: Jan de Vries

In this special traffic bridge at the Klara Zetkin street in the center of Almelo, the freedom of form of our prefab composite decks comes into its own. For example, the bridge is not only playful in shape, but there are differences in deck thickness, so that the lanes for traffic and cyclists / pedestrians are clearly recognizable.

The bridge is equipped with LED lighting that lights up simultaneously with the lighting of the natural stone steps in the harbor basin and the deceivers. The bridge was built by Van Heteren, Roelofs' subcontractor. The handrails are made by PWS from Almelo.

#145A27Lunetten

140 METER
HYBRID BRIDGE
COMPOSITE ON STEEL

#145 | 2011 | THE NETHERLANDS | UTRECHT

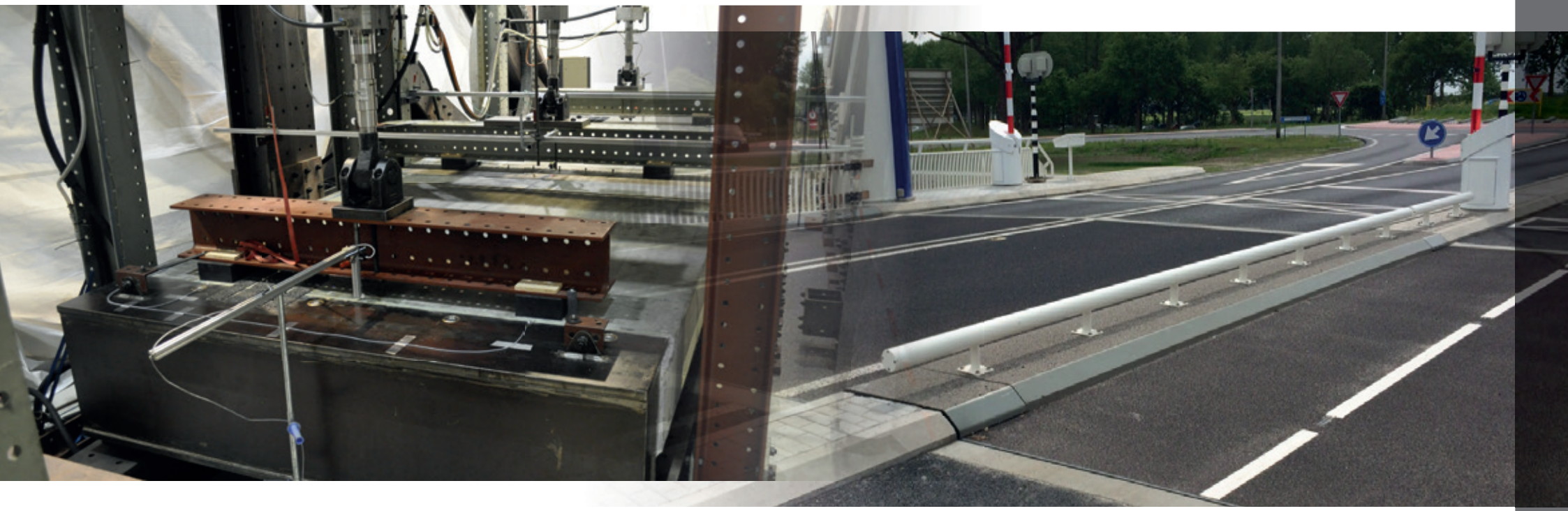
Project number: 11-014
Type: Bridge decks
Length: 140 meter (7 dekken)
Width: 6.2 meter
Class: VK 60
Client: ProRail
In cooperation with: Heijmans

This 140-meter-long traffic viaduct over the A27 is equipped with FiberCore composite bridge decks. The deck is made up of seven parts and has already been connected to the steel structure at the construction site. The finished construction was then placed in its entirety over the A27 motorway.

The enormous weight saving was the guiding principle in the choice of a composite deck, in hybrid with the steel construction. The much longer lifespan and maintenance-free character of the deck also played a role. The viaduct was built on behalf of ProRail, Heijmans was the main contractor.

#312Meppel

8 METER
TESTED FULL SCALE
RENOVATION



#312 | 2015 | THE NETHERLANDS | MEPPEL

Project number: 13-091
Type: (Heavy) traffic bridge
Length: 8 meter
Width: 4.8 meter
Class: Eurocodes
Client: Municipality of Meppel
In cooperation with: Machinefabriek Rusthoven B.V.

In 2013, the outdated fall of the Pijlebridge in Meppel was replaced by a lightweight FiberCore bridge deck. Thanks to this new, wider deck, the bridge is now also accessible to cyclists and traffic from both directions.

For the production of this bridge, full scale tests were carried out at WMC (formerly part of TU Delft) on behalf of the Municipality of Meppel. There, a FiberCore bridge deck with InfraCore® Inside with deliberate damage on a scale of 1: 1 was exposed to 6 million load changes. That can be translated into a load during a hundred years. Parallel experiments took place with smaller test pieces. The so-called SN fatigue curves can be drawn up on this basis.

#318Spieringbridge

12 METER

#318 | 2015 | THE NETHERLANDS | MUIDEN

Project number: 13-096
Type: Bridge deck
Length: 12 meter
Width: 16 meter
Class: Eurocodes
Client: Province Noord-Holland
In cooperation with: SPIE Nederland BV | Quist Wintermans
Photography: Jan de Vries

In 2013, SPIE installed this special bridge deck between the green steel girders of the Spieringbridge in Muiden. The underside is decorated with a poem about the Vecht by the 19th century politician Jacob Nicolaas Bastert:

O Vecht you have stolen my heart
I will not rise again from your ground
Your ground, which is always of my mild honey
Milk and soft butter flow
So I live richer like a king
Fatigued and not tired of worry

The bridge is transparent and contemporary and, through its shape, material and color, it fits in with both the green environment and the historic atmosphere of the Vesting Muiden. The name of the bridge refers to the nickname for Muidenaren: Spieringen.

#357Kruisvaartbridge

13 METER
FREEDOM OF FORM
SPECIAL TRANSPORT

#357 | 2014 | THE NETHERLANDS | UTRECHT

Project number: 14-119
Type: Bridge deck
Length: 13.4 meter
Width: 11.8 meter
Class: Eurocodes
Client: Municipality of Utrecht
In cooperation with: K_Dekker | Wagenborg

It was a spectacle in 2014; the huge bridge deck for the Kruisvaartbridge was transported by road to its final destination in Utrecht. The composite deck, intended for a new bus route near the station, had previously been transported from Rotterdam to Utrecht over the water.

A composite deck was the best choice for this location; it must be possible to remove the deck from time to time to allow passage to a nearby yard.

#390Elburgerbridge

12 METER
RENOVATION

#390 | 2015 | THE NETHERLANDS | ELBURG

Project number: 14-124
Type: Bridge deck
Length: 12.7 meter
Width: 12.4 meter
Class: Eurocodes
Client: Province Flevoland
In cooperation with: Spie

In 2015, the new bridge fall was placed on the Elburger Bridge. The weathered steel bridge fall was replaced by a composite bridge fall. The Elburger Bridge, located between Elburg and Dronten, is one of the important traffic connections from and to Flevoland. The burg separates the Drontermeer and the Veluwemeer.

Prefab composite FiberCore traffic bridges have many advantages over steel bridges, such as sustainability and weight savings. The application of composite therefore fits in well with the focal points of the province of Flevoland; sustainability.

#485Overgaagbridge

6.5 METER
RENOVATION

#485 | 2016 | THE NETHERLANDS | DEN HOORN

Project number: 15-170
Type: Bridge deck
Length: 6.5 meter
Width: 7.2 meter
Class: Eurocodes
Client: Municipality of Midden-Delftland
In cooperation with: Slangen Staal, Ingenieursbureau: IV-Infra

The Overgaag bridge was fitted with a composite deck in 2016, replacing steel. By using composite, the bridge deck could be adapted to current standards and guidelines without making the construction heavier. The foundation and steel structure could therefore be maintained, so that not only the turnaround time could be shortened but also the costs were lower compared to full replacement. The new deck is acoustically dampened, so that vehicle passages cause less environmental nuisance.

#537Klaffbronn

33 METER
FIRST COMPOSITE BRIDGE IN SWEDEN
RENOVATION
HYBRID

#537 | 2016 | SWEDEN | MALMÖ

Project number: 16-205
Type: Bridge deck
Length: 33 meter
Width: 4.5 meter
Class: Eurocodes
Client: Municipality of Malmö
In cooperation with: GW

Quality- and sustainability-conscious Sweden has long been interested in composite as a building material. FiberCore had the scoop in 2016 and was able to deliver the first prefab composite bridge to Sweden. Two new decks for the Klaffbron in Malmö, built in 1953; a special Scherzer rolbascule bridge. The original timber bridge deck had been replaced a few years earlier by an aluminum deck. However, this soon showed cracks. After this renovation with a FiberCore composite deck, the bridge can last for many years.

#911Oisterwijksebaan

30 METER
RENOVATION
SWING BRIDGE

#911 | 2019 | THE NETHERLANDS | TILBURG

Project number: 19-410
Type: Bridge deck
Length: 30 meter
Width: 8 meter
Class: Eurocodes
Client: Rijkswaterstaat
In cooperation with: SPIE Nederland BV
Photography: Jan de Vries

The swing bridge Oisterwijksebaan is managed by Rijkswaterstaat and was originally provided with a timber driving deck. The bridge was due for major maintenance in 2019, whereby – in addition to work on the main supporting structure – the driving deck also needed to be replaced. By replacing the timber deck with a composite one with InfraCore® Inside, strength could be added without weighing down the overall construction. An additional advantage is that the new deck could be installed completely liquid-tight on the underlying steel construction, which means that the steelwork is better protected against moisture and de-icing salts, which benefits the lifespan of the total construction at lower maintenance costs. The new deck is low-noise, so that local residents experience less nuisance at traffic passages.

#023Oosterwolde

12 METER
FIRST COMPOSITE VK60 BRIDGE

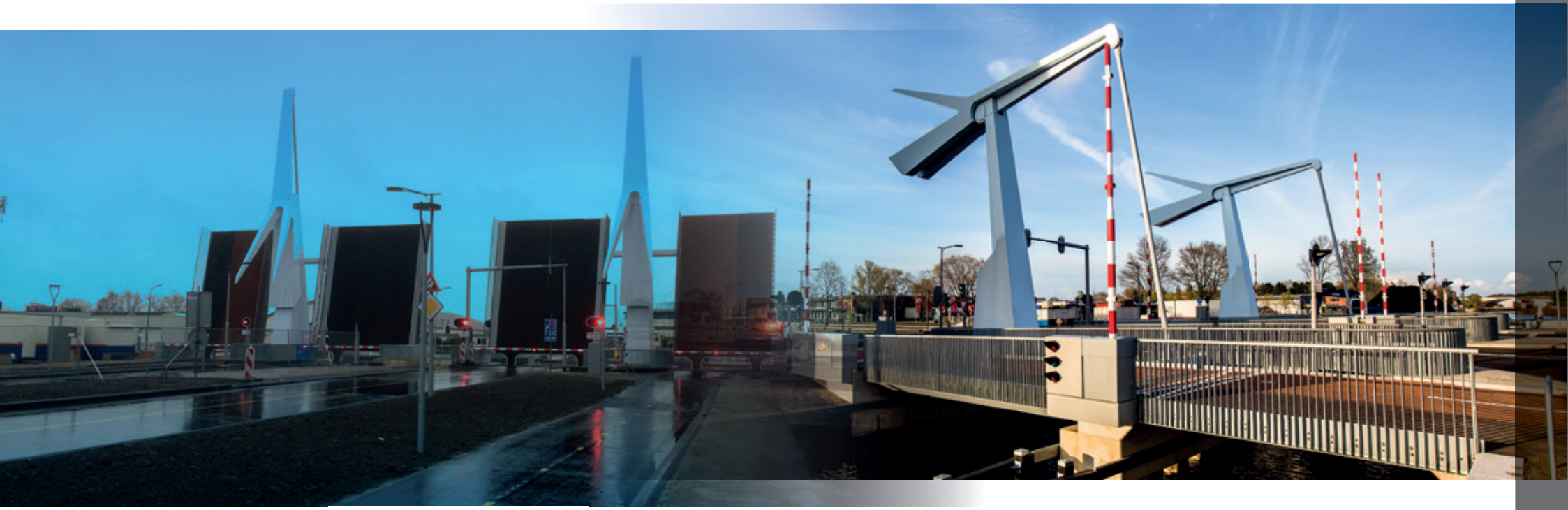
#023 | 2010 | THE NETHERLANDS | OOSTERWOLDE

Project number: 09-023
Type: Bridge deck
Length: 12 meter
Width: 11.2 meter
Class: VK60
Client: Province Fryslân
In cooperation with: Witteveen + Bos | Architektenburo Vegter
Photography: Martin Reidsma

The lift bridge in Oosterwolde was realized in 2010 as the first composite 60-tonne road bridge in the world. The choice of material was largely determined by the fact that the bridge deck is supported by only two pylons, which are not placed in the middle of the bridge. This required a light material to enable the trap to be moved hydraulically – without counterweight in complicated constructions. This was only possible with composite; this bridge could not have been constructed in steel or concrete. The sustainable character (low maintenance and long life) of composite also played a role. The bridge is 12 meters long and 11.2 meters wide. The bridge deck was transported in two parts to Oosterwolde. Subsequently, the two parts were momentarily coupled together on site.

#489BlauweKlap

COVER PANELS



#489 | 2015 | THE NETHERLANDS | ASSEN

Project number: 15-173
Type: Other
Client: Municipality of Assen
In cooperation with: ZJA Architecten | Van Hattum en Blankevoort
Photography: Eric Bakker Photography

When upgrading the De Blauwe As canal in Assen, a new bridge was needed that can be opened quickly and easily to welcome water sports enthusiasts into the city. This bridge, at one of the most important intersections in the city, was to be the crowning point of the series of bridges across the canal. A bridge that is not only functional, but also an eye-catcher. That became De Blauwe Klap, designed by ZJA Zwarts & Jansma Architecten.

FiberCore has supplied the cover panels for the rotary shaft for this bridge. This rotary axis continues under all bridges, making it about 14 panels. These panels are part of the road surface and therefore carry the full traffic load, but are lightweight and therefore easy to remove for maintenance and inspection.

HARBOR BRIDGES

#**harbor**bridges

THAT IS WHY:
A FIBERCORE EUROPE HARBOR BRIDGE

- Extremely strong
- Low maintenance: never conserve again
- Very long lifespan of more than 100 years
- Up to 36 meters in one piece
- Customer-specific in any length
- Also suitable as a pipe bridge or escape bridge
- Burning properties according to customer request
- Low CO_2 footprint
- Circular

Salt, diesel oil, chemicals and stray currents due to static electricity. A harbor bridge suffers quite a bit. As a result, they usually require a lot of maintenance. Do you want a harbor bridge that requires virtually no maintenance? Then choose the slim composite truss bridge from FiberCore Europe. We place them in The Netherlands and abroad. We have already installed more than 70 in the Rotterdam port area alone.

Lightweight and yet very strong

The FiberCore harbor bridge is extremely strong. A special construction of glass fibers and thermosetting resin makes our bridges stronger than steel. Yet FiberCore bridges are very light. Naturally, our bridges meet the design requirements of the CUR 96 and Eurocodes.

Standard or customer-specific

We supply the bridge with traditional open lattice railings and open grid floors with anti-slip as standard. Also possible: closed sides and a closed, liquid-tight floor. This makes the bridges very suitable as a pipe bridge or emergency bridge for industry.

Fast installation, static or hinged

We produce bridges in our factory in Rotterdam (NL). Thanks to the low weight, we can easily transport the prefab bridge to the port, where we can quickly install the bridge. We can install the bridge hinged between a fixed mooring point and a floating pontoon. This is due to the low weight.

Practically maintenance-free

A FiberCore harbor bridge is practically maintenance-free. The bridge construction is resistant to corrosion, salt, UV, bird droppings, diesel oil and chemicals. Extreme temperatures also have no influence on the construction. This is thanks to the material used. Our composite bridges can withstand just about anything. They are even vandal-proof. Graffiti is easy to remove, just like burn marks.

#546Calandkanaal

31.4 METER
2 BRIDGES

#546 | 2016 | THE NETHERLANDS | ROTTERDAM

Project number: 15-183
Type: Harbor bridge
Length: 31.4 meter
Width: 1.5 meter
Class: 5kN/m^2
Client: Municipality of Rotterdam | Havenbedrijf Rotterdam

In 2010, the Port of Rotterdam approached FiberCore Europe with the request to develop a low-maintenance and sustainable alternative to the steel truss bridges in the port. The existing steel bridges required intensive maintenance and quickly reached the end of their useful life due to corrosion. FiberCore developed a harbor bridge with a guaranteed lifespan of at least one hundred years, which requires almost no maintenance.

The prefab composite bridge that FiberCore has developed for the Port Authority has visible innovations compared to the steel bridges: integrated piping systems, integrated lighting and a snow-white color so that the bridge is clearly visible to the skippers. This 'plug and play' bridge is easy to assemble, will last at least a hundred years and is low maintenance. With a span that is one and a half times longer than possible with steel harbor bridges, no expensive intermediate support is required.

#729Norway

31.3 METER
EXTREME CLIMATE
NORWAY
FCE AGENT: MSS

#729 | 2018 | NORWAY | GVAMMEN

Project number: 18-306
Type: Harbor bridge
Length: 31.3 meter
Width: 1.5 meter
Class: 5kN/m²
Client: MSS Module Systems and Solutions (FCE Agent for Norway)

Harbor bridges are maintenance-free and resistant to the most extreme external influences, such as frost, UV radiation and salt. This is a good example of the use of our harbor bridge in Gvammen, Norway, by our agent Module Solutions & Systems AS. The extreme (sea) climate has no influence on the bridge.

#574 | 2016 | THE NETHERLANDS | ROTTERDAM

Project number: 16-220
Type: Harbor bridge
Length: 31.4 meter
Width: 1.5 meter
Class: 5kN/m^2
Client: Municipality of Rotterdam | Havenbedrijf Rotterdam
In cooperation with: Hakkers

#503 | 2015 | THE NETHERLANDS | ROTTERDAM

Project number: 15-183
Type: Harbor bridge
Length: 31.4 meter
Width: 1.5 meter
Class: 5kN/m^2
Client: Municipality of Rotterdam | Havenbedrijf Rotterdam


INFRACORE®
GOLF BRIDGES

#**golf**bridges

THAT IS WHY:
A FIBERCORE EUROPE GOLF BRIDGE

- Extremely strong with InfraCore® Inside
- Practically maintenance-free
- Delivery according to specification
- Any shape and color
- Very long lifespan
- Non-slip forever
- Low total costs of ownership
- Low CO_2 footprint
- Circular

FiberCore has supplied golf bridges to golf courses around the world. And that is not without reason: the lightweight prefab composite bridges are extremely suitable for installation on any golf course, in any climate. Due to the low weight, the expensive golf course is hardly burdened during the installation of the bridge.

Fast installation without foundation

We construct the bridge in our own factory in Rotterdam (NL). We then transport the prefab construction to the golf course. Here we put the bridge in place, without damaging the golf course. The low weight makes it easy to build the bridge; we can even float it to the site.

Practically maintenance-free

You hardly have to worry about a FiberCore Golf Bridge. It is practically maintenance-free. That has everything to do with the material. Composite is insensitive to moisture and mold, UV and extreme temperatures. A quick cleaning every now and then is sufficient for a permanently beautiful appearance.

Sustainable and circular

Composite is the material for the future. Our bridges have InfraCore® Inside. This ensures an extremely long service life of more than 100 years. Thanks to the smart prefab construction and the light weight, the bridge is easy to replace.

Golf bridge in your own design, colors and logo

Do you have specific ideas about the shape and color of the bridge? Feel free to challenge us. Because composite offers a lot of freedom of design. We supply the FiberCore golf bridge according to customer specifications. In any dimension, with any desired handrail. Also with the logo of your golf course or of a sponsor. If required, we can supply the bridge with a barrier. The deck finish is permanently non-slip.

#180Delfland

UP TO 9.6 METER
3 BRIDGES
FIRST COMPOSITE GOLF BRIDGES IN THE NETHERLANDS

#180 | 2011 | THE NETHERLANDS | SCHIPLUIDEN GOLF COURSE DELFLAND

Project number: 11-032
Type: Golf bridge
Length: 9.6 meter
Width: 1.8 meter
Class: InfraCore® GolfBridge
Client: Golf course Delfland

Delfland is considered by many to be the nicest Pay & Play golf course in South Holland! It is not without reason that the slogan is: Golf is fun & for everyone! Play cheaply when and how often you want on this 36-hole course!

Golf course Delfland is located on the border of Delft and Schipluiden and is easily accessible via the A4 from both The Hague and Rotterdam in 10 to 15 minutes. In its more than 20 years of existence, the track has grown into one of the most popular and fun jobs in South Holland. For young and old; beginners and advanced and always accessible to players from other courses.

Golf course Delfland was the first golf course to opt for maintenance-free FiberCore golf bridges. There are already three beautiful bridges in the track. The first since 2011.

#553TheDutch

UP TO 11.7 METER
3 BRIDGES

#553 | 2016 | THE NETHERLANDS | LINGEWAAL GOLF COURSE THE DUTCH

Project number: 16-214
Type: Golf bridge
Length: up to 11.7 meter
Width: up to 1.9 meter
Class: InfraCore® GolfBridge
Client: Golf course The Dutch

This special Inland Links Golf course at International Championship level was designed by the famous Scottish golfer and top designer Colin Montgomerie.

The course has been constructed according to the highest European standards and is therefore a leader in terms of quality, durability and playability in the Netherlands. Challenging for golf professionals, but also playable for the average golfer. This 18-hole golf course is integrated in the rural area of Spijk (NL).

The Dutch decided to start with three ultra slim FiberCore Golf bridges. The Dutch organizes the prestigious KLM Open in the years from 2016 to 2018.

#751 Bernardus

UP TO 23 METER
17 BRIDGES

#751 | 2018 | THE NETHERLANDS | CROMVOIRT GOLF COURSE BERNARDUS

Project number: 18-324
Type: Golf bridge
Length: up to 23 meter
Width: up to 2.8 meter
Class: InfraCore® GolfBridge
Client: Golf course Bernardus
In cooperation with: Jos Scholman BV

For this "next level" 18-hole golf course, designed by Kyle Philips, FiberCore Europe produced 17 golf bridges with InfraCore® Inside in various lengths. Ranging from 7.80 to 23 meters free span. Maintenance-sensitive intermediate supports are no longer necessary.

The state-of-the-art design of this course can be found in the clubhouse, restaurants and luxury facilities (changing rooms with sauna and steam room, fully equipped gym, swimming pool and tennis courts) and, of course, on the golf course itself.

Our slim, low-maintenance bridges are of course perfectly in line with this pursuit of perfection.

In the near future Bernardus will hold several international golf tournaments, such as the KLM Open.

#848Australia

8 METER
4 BRIDGES
FIRST BRIDGES FOR AUSTRALIA
FCE AGENT: SIS

#848 | 2019 | AUSTRALIA | NORWEST (SYDNEY

Project number: 19-365
Type: Golf bridge
Length: 8 meter
Width: 2.6 meter
Class: InfraCore® GolfBridge
Client: SIS Sustainable Infrastructure Systems (FCE Agent for Australia)

A first in Australia! There, our Australian agent SIS installed four sustainable prefab FiberCore golf bridges on the grounds of Castle Hill Country Club in Norwest, near Sydney. These are the first four of hopefully many bridges with InfraCore® Inside that we will ship to Australia.

LOCK GATES

#**lock**gates

THAT IS WHY:
FIBERCORE EUROPE
LOCK GATES

- Extremely strong with InfraCore® Inside
- Prefabricated and ultra-light
- Low in maintenance
- Stronger than steel, timber and concrete
- Light pivots
- Very favorable MEAT score
- Safe and fire resistant
- Competitive pricing
- 50 year guarantee
- Low CO_2 footprint
- Circular

Lock gates have as concerns that they can rust or rot. That therefore requires a lot of maintenance, with as a result: blockages. FiberCore Europe is the inventor of composite lock gates. Extremely strong, practically maintenance-free and very sustainable. An increasing number of governments and construction companies are therefore opting for composite lock gates. FiberCore supplied – among other things – the largest lock gates in the world, for a lock complex of Rijkswaterstaat in the Wilhelmina Canal in Tilburg (NL) measuring more than 13 by 6.2 meters.

Sustainable solution

Composite is the material for the future. All of our lock gates have InfraCore® Inside. This ensures an extremely long service life of more than 100 years. Thanks to its light weight, the door can be opened and closed with less force. The lock gates have almost the same weight as water. This results in minimal friction for the hinges and ensures less wear. Partly because of this, they last three times longer than conventional lock gates. Composite lock gates also require hardly any maintenance and cannot rust or rot. They are stronger than timber or steel. And therefore safer.

Very favorable LCC score

Lock gates are calculated on strength instead of stiffness. That saves a lot of money. Our lock gates are therefore competitive with doors made of timber and steel. Our lock gates have proven themselves as a successful construction material with a very favorable LCC score. Our constructions comply with the Eurocodes.

Prefabricated production, easy installation

We make the lock gates in our factory in Rotterdam. We then transport the prefab doors directly to the location where we install them. Thanks to the low weight, this is done quickly and easily, with the least possible disruption to water traffic. In view of their long life, the lock gates can also be relocated relatively easily.

#131Erica-TerApel #world'sfirst

THE WORLD'S FIRST COMPOSITE LOCK GATES

#131 | 2012 | THE NETHERLANDS | ERICA - TER APEL

Project number: 11-005
Type: Lock gates
Hight: 5 meter
Width: 3.6 meter
Client: Province Drenthe | Province Groningen
In cooperation with: Oosterhof Holman

In 2012, the world's first prefab composite lock gates with InfraCore® Inside were hoisted into place.

The composite lock gates were made for the Provinces of Drenthe and Groningen, which together renewed the Erica - Ter Apel shipping route. The concept of composite lock gates is a strong example of Dutch innovation and is enthusiastically received by the market. The low maintenance and the sustainable character of the material were the decisive factors for the lock gates at Erica - Ter Apel. In addition, the fast delivery time and the cost advantage were important.

#282Wilhelminakanaal #world'slargest

THE WORLD'S LARGEST
COMPOSITE LOCK GATES

#282 | 2016 | THE NETHERLANDS | TILBURG

Project number: 13-077
Type: Lock gates
Hight: 12.9 meter
Width: 6.2 meter
Client: Province Noord-Holland | Rijkswaterstaat
In cooperation with: Heijmans/Boskalis | Constructiebedrijf Hillebrand

In 2016, the largest composite lock gates in the world were installed in the Nieuwe Sluis III of the Wilhelmina Canal in Tilburg. Lock gates of these dimensions (6.2 by 12.9 meters) have never been installed before. The pointed doors can reverse a difference in water level of no less than 7.90 meters.

The exterior of each composite lock gate consists of 35 mm thick glass fiber reinforced polyester; the inside is made of foam. This makes the door light and can be opened and closed with less force. The lock gates have almost the same weight as water. This results in minimal friction for the hinges and ensures less wear. Partly because of this, they last three times longer than conventional lock gates. The doors have a beige / yellow coat layer and are low maintenance.

The project widening the Wilhelmina Canal of Rijkswaterstaat is thus a sustainable world first.

#contact

Contact

Interested in our sustainable bridges or lock gates, or would you like more information? Please feel free to contact us. Our sales team will be happy to help you.

FiberCore Europe
Oostdijk 25
3077 CP Rotterdam
The Netherlands

T +31 10 476 58 58
M info@fibercore-europe.com
W www.fibercore-europe.com

DISCLAIMER

More about FiberCore?

Download our corporate brochure at
www.fibercore-europe.com/downloads

Stay informed!

Follow FiberCore Europe on LinkedIn and stay up to date with our latest news and our best projects: **@fibercore-europe**