PROJECT PDF

Willemen Groep
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Bicycle highway between Antwerp-Lier - Deurne

Project Details

Activities
Civil Engineering
Bridges
Road construction
General roadworks
Asphalt works

Contractors
Franki Construct
Willemen Infra

location
Gasthuishoeven
2640 Mortsel Belgium
Antwerpen BE

Client
Provincie Antwerpen

Engineering Office
Arcadis

Span
30m

Construction period
1 year 2 months

Start work
09-2018

End of work
11-2019

The longest composite bridge in the country was installed on the border between Boechout and Mortsel. It is the first bicycle bridge made from fibre-glass-reinforced plastic, and it has the largest free span of its kind in Belgium. This is a first on the F11 Antwerp-Lier bicycle highway. The bridge was put in place in one piece (5 m wide and 30 m long), and it only weighs 33 tonnes. Hoisting was carried out using a 400-tonne mobile crane with a span lift.

Composite material has many advantages: it is light, sturdy and not susceptible to corrosion. The bridges have a lifespan of more than a hundred years while also being flexible and quick to install. The bridge was made at Composite Structures in the Netherlands, commissioned by Janson Bridging. The entire process to make the bicycle bridge took only two months to complete. The bridge was transported to its location in one piece during the night of 1 to 2 May. The bridge, weighing approximately 30 tonnes, was hoisted over the railway line using a crane.

The bridge is part of the F11 Antwerp-Lier bicycle highway, and it creates an easier, but more importantly, safer, route for cyclists. Working for the province of Antwerp, Willemen Infra and Franki Construct joined forces on the bicycle highway from the airport in Deurne to Boechout, a stretch of 3.7 km.

Franki Construct

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Since 1998 Franki Construct has been part of Willemen Groep, the largest family construction group in Belgium.

Willemen Infra

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website

Willemen Infra is a leading, Belgian road construction company with a regional presence in both Flanders and Wallonia. An important asset is that we have all aspects of the construction process under our own management and thus fully control the execution. Moreover, our team of 1,000 well-trained and experienced employees are willing to work at night and over the weekend to make sure they get everything done in time. In addition, thanks to our own COPRO-certified production and recycling sites, we are one of the leading producers for asphalt and road concrete.