

Jann-Berghaus Bridge (Germany)



Project description

The Jann Berghaus Bridge is one of the largest bascule bridges in Central Europe, with its total length of 464 m and movable section measuring 63 m. When open, 45 meters of the deck are extended upwards, while 15 meters protrude beneath deck level.

The bridge crosses the Ems River near Leer (East Friesland) between the districts of Leerort and Bingum, next to the Ems Tunnel (A 31), which is the only permanent crossing in the lower section of the Ems and makes it an important connection between East Friesland and the Netherlands.

The bridge was named after Jann Janssen Berghaus (1870–1954), the district president of Aurich (1922–1932) and later the president of East Friesland (1945–1954).

In its current version, the Jann Berghaus Bridge has existed since the beginning of 2010.

mageba scope

During the renovation of the bridge in 2009/2010 the joints on the movable part of the structure were replaced.

mageba's TENSA®FINGER RSFD 260 cantilever finger joints with a movement capacity of up to 150 mm were installed at the tip of the leaf.

This type of finger joint consists of solid steel edge profiles which are connected to the supporting structure with steel anchors in a way that is both strong and fatigue-resistant.

Highlights & facts

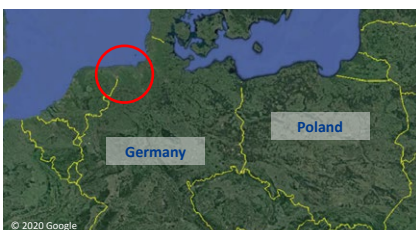
mageba products:

Type: TENSA®FINGER RSFD expansion joints
Installation: 2010

Structure:

City: Leer
Country: Germany
Type: Bascule bridge
Completion: 1995
Main span: 63 m
Length: 464 m
Owner: Wasserschiffahrtamt Ostfriesland
Contractor: Schäfer Bauten

The Jann-Berghaus Bridge is situated in Leer, Germany



Approach to the Jann-Berghaus Bridge



An installed cantilever finger joint

