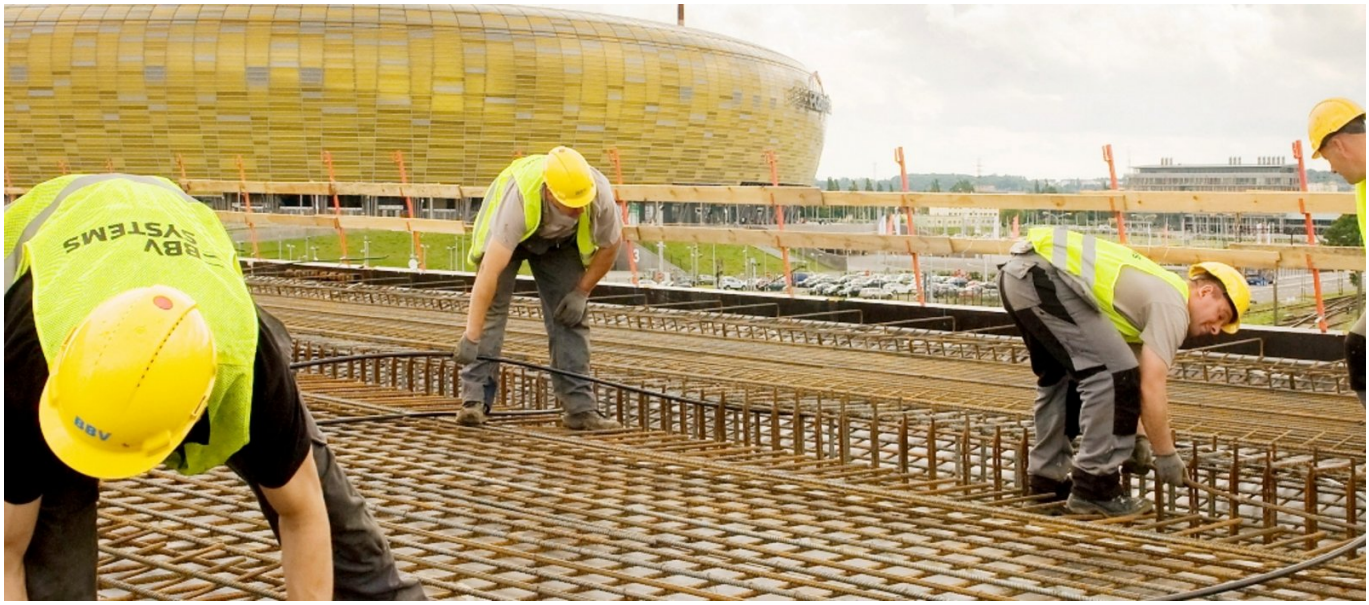
BW 4.1613 and BW 4.3355, p. 21, AS Esslingen Lot 2, PFA 1.4



SHORT DESCRIPTION

2 separate cable-stayed superstructures, 32 and 63 meters long

THE PROJECT

As part of the Stuttgart 21 project, Section AS Esslingen Lot 2, PFA 1.4, bridges BW 4.1613 and BW 4.3355 were constructed on the A8 near the Esslingen exit in the direction of Stuttgart.

The structures are designed as single-span slab-beam superstructures and serve to facilitate efficient traffic flow as part of the infrastructure project.

BBV Systems GmbH was responsible for the on-site fabrication of the tendons, as well as their prestressing and grouting. The use of prestressed concrete construction enabled the creation of durable and cost-effective bridge structures.

SERVICES IN DETAIL

- Prestressing Technology, Bridge Construction:
  - Internal strand tensioning method with post-tensioning
  - Tension members manufactured, installed, tensioned, and grouted on site
  - First superstructure: 44 metric tons of prestressing steel, 24 prestressing tendons BBV L27
  - Second superstructure: 17 metric tons of prestressing steel, 24 tendons BBV L19

FACTS

Location	Wendlingen , Germany
Status	completed
Construction volume (value of our services)	163,000 EUR
Start of construction	January 2020
Completion	January 2021
Building owner	Regierungspräsidium Stuttgart
Contracting entity	Peter Gross, Karlsruhe GmbH & Co. KG