



Securing the Luegbrücke bridge

Data and facts

Company	PORR Bau GmbH
Type	Bridge construction
Runtime	10.2021 - 02.2023
Principal	ASFINAG Bau Management GmbH

[Project report online](#)

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No compromises on safety

The goal was to carry out most of the work from above. Work was only to be conducted from below if this was absolutely unavoidable. The 8.5m high and 35m long trusses were delivered and parked on the motorway in an upright position by special transport. This work had to be carried out with the utmost precision at precisely measured points to avoid overloading the bridge's support structure. Two mobile cranes were then used to place the trusses on steel stanchions and transverse slides under the bridge in a tandem lift. The trusses were then positioned under the four main girders of the existing bridge and braced. Absolute precision was required until the beams were securely attached. To the best of our knowledge, this was the first time that this type of construction has been carried out in this way. This project is another example of PORR demonstrating its willingness to take on new challenges and find innovative solutions with perfectly coordinated teams.

Impressions



Image notes

1 A bridge beneath a bridge.

2 When every millimetre counts.

The Luegbrücke bridge, which has fallen into disrepair, is being secured with steel truss girders at four critical points.

The trusses have to be delivered and unloaded with the utmost precision so as not to overload the existing bridge.

Secured against the worst-case scenario.

3

If worst comes to worst, the structural support will take the dead weight and carrying capacity of the damaged span of the prestressed concrete bridge.

Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

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