

Building Future.

#BridgeConstruction #WernerSobek

Bridging the Sustainability Gap



Dear reader,

Bridges are an essential part of our infrastructure - they characterise the public space. They not only have to withstand loads from traffic, wind and earthquakes, but also the critical scrutiny of the general public. Structural logic, design quality and lightness are not at odds with economic efficiency and future viability, but ideally form a unity with them.

Many resources are used to build bridges, and bridge construction is also responsible for a large proportion of emissions in the construction sector, yet the question of how we can plan and build connecting structures more sustainably is not yet at the centre of public interest. We are already working to make bridge construction more sustainable. To this end, we are researching environmentally friendly and resource-saving options and are committed to ensuring that sustainability is already taken into account in the planning phase.

In addition to the design and planning of new bridge structures, Werner Sobek also offers comprehensive planning and consultancy services in the field of refurbishing existing bridges. This newsletter provides a brief overview of our bridge projects and articles on the subject.

Enjoy reading!

Robert Balmann

P.S.: If you have any questions or comments about this newsletter, please feel free to write to us at feedback@wernersobek.com. We look forward to hearing from you.

Stuttgart, June 2024



Elegant and Minimalist

Werner Sobek planned the Rosenau cycle path bridge in the Auenpark as the centrepiece of the city of Fulda's new footpath and cycle path concept. The bridge fits perfectly into the ecologically highly sensitive floodplain landscape.

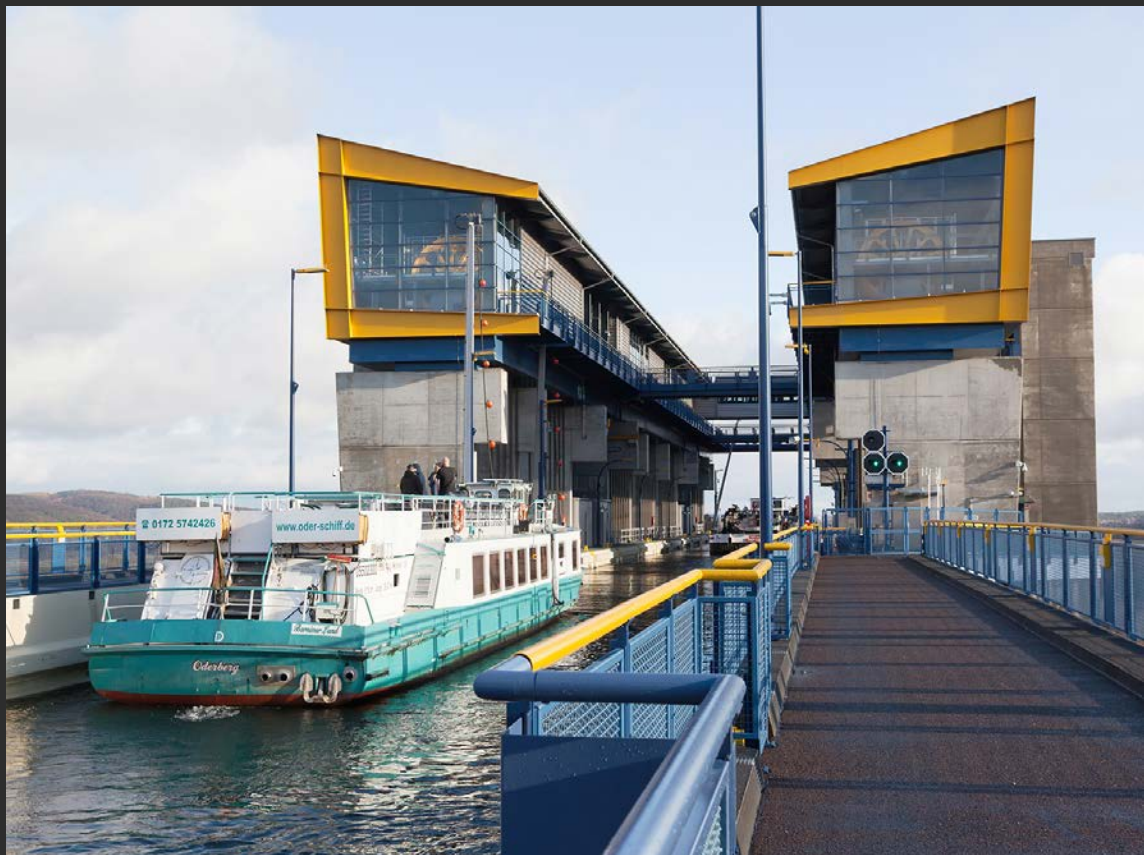
Photo: Andreas Keller



Sustainable Bridges

In our video podcast "Building the future", our Berlin-based colleague Andreas Malcher reports on the various options for ensuring greater sustainability right from the start of planning a bridge structure also with the help of BIM.

Photo: Janine Kyofsky



A Bridge of a Special Kind

After 14 years of construction, the boat lift in Niederfinow was officially inaugurated on 4 October 2022. Werner Sobek was responsible for the structural design of the €520 million project. The vertical lift overcomes a height of around 37 metres - in around 30 minutes of lock passage.

Photo: Florian Thein



Safe for Cyclists, Day and Night

The cycle path bridge we designed in Tübingen spans the Neckar in an elegant way. As little surface area as possible was sealed during the project.

Photo: Andreas Keller



Dry Footpath Even During Floods

The Hamburg escape bridges span the canals and streets of the Speicherstadt. We were responsible for the structural design of the bridge.

Photo: Bernhard Kroll



City Oval Directly Connected to Aalen City Centre

The direct connection of the Stadtoval area to Aalen's city centre via a pedestrian bridge over the tracks is an important prerequisite for the success of the urban development project. The Aalen municipal council chose the design by Werner Sobek from...

Photo: Vincent Oberhuber



Underground & Complex

The floor slab of Stuttgart's new main railway station crosses an existing S-Bahn tunnel. It was therefore designed in this area as a prestressed bridge structure with a span of around 30 metres...

Rendering: Ingenhoven Architekten



Convenient Crossing

The increasingly dilapidated Betrather Straße bridge in Mönchengladbach is being replaced by a new structure made of recycled steel with separate lanes for cyclists and pedestrians. A film illustrates the project...

Rendering: GRBV Ingenieure im Bauwesen



Werner Sobek AG
Albstraße 14, 70597 Stuttgart/Germany
Tel +49.711.76750-0, newsletter@wernersobek.com

CEOs: Dipl.-Ing. Roland Bechmann, Prof. Dr.-Ing. M.Arch. Lucio Blandini, Dipl.-Ing. Stephen Hagenmayer, Prof. Dr.-Ing. Thomas Winterstetter

Trade Register: Stuttgart, HRB 756874

You can object to the use of your e-mail address for the sending of our newsletter at any time by notifying us or changing your address data by using the links below.

[Change data](#) / [Unsubscribe](#)

[Imprint](#) / [Privacy Policy](#)

wernersobek.com / Engineering, Design, Sustainability. Since 1992.

WINDNER SYSTEM.