

Building Future.

#Stuttgart21#WernerSobek

Stuttgart's New Main Station – Infrastructure and Landmark!



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Dear reader,

It has been a hot topic for many years, but its completion is now within reach: the construction site around Stuttgart's new main railway station. The roof was closed in December 2023, shortly before the last chalice support was stripped. Next, the so-called light eyes will be installed - they will later ensure that the underground station concourse is supplied with daylight and fresh air.

The final spurt has noticeably begun on the construction site... A good opportunity for us to recapitulate the areas in which we were (and in some cases still are) involved.

Join us on a journey of discovery through one of the largest construction projects ever undertaken in Baden-Württemberg. We are proud that we have been able to provide extensive support for such an important project as specialist planners since 2009 – a project that is not only of immense interest in terms of urban planning, but which will also become a new landmark for our city thanks to its unique aesthetics. In this context, we would like to thank Ingenhoven Architects and Deutsche Bahn once again for many years of excellent cooperation.

Have fun taking a look!

Roland Bechmann

Dipl.-Ing. Roland Bechmann
CEO and Partner of Werner Sobek AG

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

Stuttgart, February 2024



From the Soap Skin to the Light Eye

An interesting film impressively explains the engineering origins of the chalice-shaped supports for Stuttgart's new main railway station. Our project manager Angelika Schmid is one of the main protagonists...

Copyright: Achim Birnbaum



Wonderful World of Chalice Supports

Angelika Schmid, authorised signatory and team leader at Werner Sobek, provides exciting insights into the planning of the chalice supports. These support the roof structure of the new underground railway station.

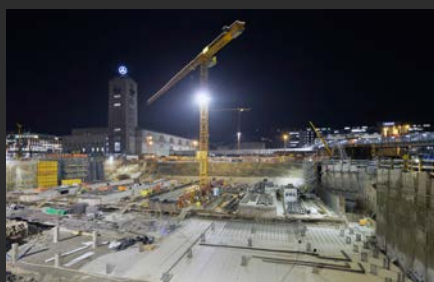
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"Our Society needs Perspectives"

In a recently released film about the new Stuttgart Central Station, our company founder explains the various constraints involved in planning the underground platform hall – and explains why he believes the station under construction has a promising future: "I think it's something that society urgently needs," summarises Werner Sobek.

Copyright: Deutsche Bahn



What the New Railway Station is Based on...

The jointless solid construction forms a trough made of normal concrete. It is founded on in-situ driven concrete piles that end well above the foundation plaster.

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An Underground Bridge for the S-Bahn

The floor slab of the new main stations spans the existing S-Bahn tunnel as a bridge structure. In an article in the magazine "Bautechnik", our engineers explain the special challenge of this structure.

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Revitalisation of a Listed Building: the Bonatzbau

As part of the S21 project, the almost 100-year-old listed entrance building of Stuttgart's main railway station is being thoroughly modernised. Although the existing building will be almost completely gutted, the exterior of the Bonatz building, which characterises the cityscape, will be preserved.

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Over Suspended Walkways to the Trains

Since June 2023, all 28 chalice supports have been in place at Stuttgart's new main station – a film shows impressively how the distributor bars are attached to the shell roof...

Copyright: Angelika Schmid



To the Underground by Daylight

The new "Staatsgalerie" stop was built as a three-track tunnel with a vaulted ceiling shell. This has transformed what was previously an underground facility into a light-flooded station.

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