# PROJECTS, BEARING OUR SIGNATURE

A SELECTION FROM ALL FIELDS OF BUSINESS



EXPERIENCE THE JOY OF CONSTRUCTION



# **CREATING LIVING** SPACE OF LASTING VALUE

# ENGINEERING AND TURNKEY CONSTRUCTION



Project: Customer: Contract value: Construction period: Year of construction: 2018-2019 Facts:

Augustinerhof, Nürnberg alpha Grundbesitz GmbH & Co. KG, Nürnberg € 15 mio. 13 months

In the city centre of Nürnberg the building shell of the Augustinerhof was to be constructed within the very short construction period of 13 months. In addition to considerable logistic difficulties, numerous challenges like complex geometries of the roof surfaces and the bearers in the underground garage had to be overcome. Thanks to the 3D-based formwork planning and the exact surveying by means of tachymeter the project success could be achieved in smooth cooperation with the business unit work preparation.

Project: Customer: Contract value: Construction period: Year of construction: 2018-2019 Facts:

Technology Centre TC2, Stuttgart-Feuerbach DIBAG Industriebau AG. München € 34 mio. (turnkey construction incl. planning) 13 months

6-storey office and laboratory building incl. outdoor facilities. The "double U" building was awarded the DGNG sustainability label "Gold" and corresponds to the latest requirements thanks to its sophisticated building servicesengineering (4-pipe-system for heating and cooling with heating/coolingpanels, central duct system in the corridor for pipes and air vents, 2.5-foldair renewal in the entire building). Uniform and very structured aspect due toa curtain wall made of FF2® metal sheets.

Klinik am Eichert, Göppingen Alb Fils Kliniken GmbH, Göppingen € 43.1 mio Construction period: 24 months Year of construction: 2019-2021

New construction of a hospital building with 94,000 m<sup>2</sup> gross floor area and 43,000 m<sup>2</sup> useable space, composed of one full basement floor 2 for the control rooms, 3 semi-basement floors (U1, E0, E1) with reception, emergency ward and surgery rooms, as well as administra tion, laboratory, and technology (for operating theatres on the 1st floor) on the intermedia storey E2. The protruding house for patients (E3-E6) with pre-tensioned concrete construc-tion is equipped with 350 rooms and 645 beds. Further technology equipment is located on E7, and there is a helipad on E8. 10.500 t steel and 66,000 m<sup>3</sup> concrete (partly loaded concrete) were used in construction. 3.000 t steel and 15.000 m<sup>3</sup> concrete just for the floor slab. The underground irrigation to prevent the oil shale in the ground from drying out and bulging is a particularity.

Project:

Facts:

Customer:

Contract value:

Project:

Customer:

Contract value:

Lidl Dienstleistung, Bad Wimpfen (DLBW) Lidl Dienstleistung GmbH & Co.KG, Neckarsulm € 65 mio. building shel incl. approx. € 3 mio. earthworks

Construction period: 23 months Year of construction: 2018-2019 Facts:

Office block in five sections with underground connection on 37,000 m<sup>2</sup> total ground area. 4 basement floors serve as underground car park for 1,500 employees. The 5th basement contains the technical equipment. Above the ground up to 7 storeys are built in terraces. The difficult access routes and large quantities of materials were a special challenge. About 23,000 t structural steel and 140,000 m<sup>3</sup> concrete were used and transported to the place of installation by means of stationary concrete placing booms. Furthermore, there were numerous composite steel and steel construction parts, as well as challenging construction situations due to massive ceilings of up to 1.3 m thickness under the building parts above ground.

Project: Customer: Contract value: Construction period: Year of construction: Facts:

Seckachtalbrücke, Adelsheim Regional Commission Karlsruhe € 9.6 mio. 26 months 2017-2019

A hollow box bridge of a length of 290 m was constructed in a height of approximately 20 m with lengthwise pre-stressing using the composite construction method (variable longitudinal gradient). As the routing passes through the premises of the company Würth, the building had to be advanced in different intervals (11 intervals). The route is planned with a radius of 450 m, which merges in to a clothoid just before its end. The substructures are founded in 6 axles on bore piles (Ø 1.50 m) with lengths of up to 36 m. The span of the individual fields of the bridge amounts to approximately 58 m.

Customer: Contract value: **Construction period:** Year of construction: Facts:

Project:

Central warehouse with office building of the company Würth, federal motorway A6 Kupferzell Adolf Würth GmbH & Co. KG, Künzelsau € 57 mio. (turnkey construction) 14 months 2018-2020

30,700 m<sup>3</sup> of concrete, approx. 2,000 prefabricated parts, building area approx. 45,000 m<sup>2</sup>. The entire building is planned very variably, with options to expand and provisions for possible modi-fications of use. This is the Würth Group's largest investment into logistics up to the present with about € 73 mio. In addition to the foundation on very unfavourable underground and the high requirements concerning the ground slab, which is planned for the use of driverless transport systems, the very limited construction period presented the greatest challenge.

Project: Customer: Contract value: Construction period: Year of construction: 2018-2019 Facts:

Overhaul Rheinbrücke Maxau, Karlsruhe (joint venture) Regional Commission Karlsruhe

€ 8.9 mio. 19 months

First structural upgrade of a large bridge in Germany with high performance concrete. The concrete replacing the asphalt pavement increases the security of the supporting structure by over 50 %. The installation was carried out by means of a mobile mixing plant, concrete-lane finisher and Kubixx. After the demolition of the existing road surface, steel rim beams and drainage facilities, new steel rim beams with protective equipment and steel reinforcements, as well as drainage system were produced, the thin deck pavement on the lanes and partially the corrosion protection were rebuilt.













#### **Project:**

Customer:

Contract value:

Construction period: 24 months

Year of construction: 2020-2022

the historical market fountain, which was built

in the year 1714 and has been situated on the marketplace since 1804. New construction of a 125 m<sup>2</sup> large fountain field (trick fountains). New paving made of 7,500 m<sup>2</sup> natural stone paving of granite, laid in various formats and patterns

New lighting concept for Christmas and farmer's market with underfloor distribution panels. New

technical supply / infrastructure integrating the

long with integrated contrast stripes according to

the requirements of the German Association of

Blind and Visually Impaired Persons. Protection

against terrorism for the farmer's market and

Christmas market, as well as other events.

Drinking fountain for passers-by.

existing 2,000 m<sup>2</sup> large marketplace bunker

dating from World War II. Stairs and seating steps made of Portuguese granite approx. 80 m

New design marketplace, Stuttgart Regional Capital, Stuttgart € 5.8 mio

Facts: Conversion, restoration, and elevation of

#### Project: B 297 Stuttgarter Straße, Göppingen-Faurndau Customer: Contract value: € 8.9 mio. Construction period: 21 months Year of construction: 2019-2020

Facts:

Regional Commission Stuttgart, field office Göppingen

The new route of the B 297 including the bridge over the railway line Stuttgart - Ulm with pedestrian and bicycle path with direct access to the K 1410 and a length of about 483 m serves the reduction of traffic in the guarter Göppingen-Faurndau.

Project:	Т
Customer:	Т
Contract value:	€
Construction period:	59
Year of construction:	2
Facts:	

CRH Mosbach, underground engineering works, Urban I+II raining Center Retten und Helfen Mosbach GmbH, Mosbach 62.3 mio. earthworks and drainage 59 months 2015-2019

Earthworks for 6 bridge constructions, 2 tunnel constructions in open construction method, 2 underground rainwater retention basins, 1 rainwater purification and seepage basin, 2,600 m supporting walls. Production of drainpipes for the entire drainage of the line, production of road cuts and dams incl. all pipe crossings, installation of mast foundations for subsequent electrification of the route, surveying and restoration measures in the Karst region Schwäbische Alb.

**CREATING** SAFE **CONNECTIONS** 

# ROAD AND NETWORK CONSTRUCTION



### Project:

Facts:

Customer:

Contract value: € 29.5 mio. Construction period: 24 months Year of construction: 2019-2021

interchange Walldorf - Kronau Regional Commission Karlsruhe or since 01/01/2021

Basic renovation of the federal motorway A5,

Demolition of old concrete surface / processing of old concrete material. Soil stabilisation and installation of base course for subsequent installation of concrete road surface. Demolition of existing bridges, production of support structure incl. widening of the undercast roads and pedestrian and bicycle paths for the new construction of six bridges. Renovation, elevation, and extension of noise protection wall from 4.0 m to 8.0 m or respectively from 3.0 m to 7.0 m of height. Demolition of access points Kronau West and East. Reconstruction in concrete construction method.



### Federal motorway A3 EO 244 upgrade of Haseltalbrücke (bridge) to 6 lanes to the west of Marktheidenfeld Federal Motorway Commission Nordbayern, field office Würzburg Contract value: € 45.5 mio.

Construction period: 22 months (29 months had been planned) Year of construction: 2018-2019 (2018-2020 had been planned)

7.8 km new construction of motorway incl. drainage pipes and empty cable tubes, replacement construction of 4 existing underpasses, one of which in a 25 m deep construction pit, 500,000 m<sup>3</sup> earthworks incl. a steep slope with an angle of 1:1.15 and slope height of 15 m, incl. qualified soil improvement with 8% binding agent, new construction of a car park with toilet facilities with road surface concrete only for heavy load traffic and simultaneous dismantling of 5 car parks, 2 gabion walls, 190,000 m<sup>2</sup> melted asphalt surface layer, 3 earth-rainwater retention basins.

# Project:

Customer: Year of construction: Facts:

## E-mobility - innovative energy and mobility solutions from one source Hahn Automobile GmbH & Co. KG, Porschezentrum Böblingen

since January 2020

We deliver transformer stations and erect AC and DC charging points for the company Hahn Automobile GmbH & Co. KG and take them into operation. We also take charge of the service and on-call duty for the DC charging points including the storage batteries. As experienced service provider we successfully erect AC and DC charging points (High Power Charging) all over Germany up to a charging performance of 350 kW. In this field of business, we provide the entire chain of economic value added in the field of charging technology from the transformer station up to the roof construction protecting the charging points from one source. Of course, we are still available for our customers after taking into operation, carrying out inspection, maintenance, and emergency maintenance work, if desired, even 24 hours per day.

# Project: Customer:

FTTH upgrade Heimerdingen

# Contract value: Construction period: Year of construction:

Deutsche Telekom AG, PTI 34, Frankfurt € 62.3 mio. earthworks and drainage 9 months 2019-2020

## Facts:

Cu

Co

Pilot partner of Deutsche Telekom for Gigabit business system for improved customer experience in providing an FTTH connection. 13,000 m underground engineering routes, 4,400 m of which H-Trenching, 620 house connections requiring underground engineering, 715 network level 4 customer connections, construction of 18 power distributions with 3 main wiring looms, instal-lation of all main/branching and house connection cables. Execution of all installation works and scouting works from the switching centre to the end customer including all inhouse cableways.

oject:	H-Trenching – FTTH upgrade, Steinheim an d
istomer:	Deutsche Telekom AG, PTI 34, Frankfurt
onstruction period:	3 months
ar of construction:	2020
cts:	

In connection with the FTTH upgrade of Steinheim an der Murr a total of about 6,200 m of the route were produced by means of the H-Trenching method in den quarters Höpfigheim and Kleinbottwar

er Murr













# RELIABLY CONNECTING **TRANSPORT ROUTES**

# RAILWAY INFRASTRUCTURE CONSTRUCTION



As a railway traffic company LEONHARD WEISS is authorised to carry out railway traffic performances on public tracks. We transport goods and vehicles on the rail network all over Germany. In this way we supply our railway construction sites with the necessary machines and the required material.

The railway traffic company LEONHARD WEISS is a training company for locomotive drivers approved by the German Federal Railway Authority and may carry out the examination of locomotive drivers. Our main focus is the training of drivers of road-rail-excavators. Extern companies participate in public railway traffic via the railway traffic company LEONHARD WEISS. Their personnel and vehicles are subject to our rules and standards.

The railway traffic company LEONHARD WEISS oversees private connections to the public railway tracks. We supply the railway operating director and develop the rules and standards.

Project: Customer Contract value: Construction period: Year of construction: 2019 Facts:

Breisgau S-Bahn 2020 line 4310 Breisachbahn DB Netz AG. Frankfurt € 31.7 mio. (share LEONHARD WEISS) 11 months

9,000 m renovation of track, including earthworks and installation of formation protection layer. 2 renovations of points incl. earthworks and installation of formation protection layer, 35,000 t installation of ballast, 5,000 m<sup>3</sup> ballast cleaning, 7,200 m<sup>2</sup> installation of noise protection wall, 400 m platform edge, 11,000 m renovation of cable ducts, 100 cable construction manholes, 2,000 nondisruptive track crossings, 40,000 m laying/draw-in of cables, 7 reconstructions of level crossings, 7 renovations of passages.

### Project:

**DB Engineering &** Consulting, Karlsruhe

Breisgau S-Bahn,

Höllental Ost

€ 50 mio.

Customer: Contract value:

Facts:

Facts:

Construction period:

Ammertal overhead facility, line Herrenberg - Tübingen special heavy construction and overhead line foundations Zweckverband ÖPNV, Ammertal € 9 mio. 29 months Year of construction: 2020

The line partly is a double-track line of about 21 km. Bad foundation ground conditions required a foundation method with ductile cast iron piles. Test piles were driven in in advance and then submitted to load tests. 181 masts on ductile piles were produced. For one angled mast, eight piles were driven into the earth up to 20 metres deep and grouted.

Project:	IECC, integrated electronic control centre station
Customer:	DB Netz AG, Sinntal
Contract value:	€ 5 mio.
Construction period:	9 months
Year of construction:	2020-2021
<b>F</b>	

Use of technology: 12 road-rail excavators, railway construction train with flatbed wagons, ballast train, tamping machine with ballast plough, 81 km laying of cables for control, communication, and safety system/telecommunication, 18 km cable duct system in concrete and glass fibre reinforced plastic, 95 cable construction manholes size. IV-X, 35 signal foundations as driven casing pipes, 25 signal foundations as concrete monolith, 560 m track crossings 4-12 wheel-track adhesion controls in concrete.

Project: Customer: Contract value: Construction period: Year of construction: Facts:

S21 connection Interregio curve, Stuttgart DB Projekt Stuttgart – Ulm GmbH, Stuttgart € 14.8 mio. 21 months 2020-2022

Proj Cust

Cont

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Fact

Preparation of execution planning for traffic infrastructure, new construction of 3,515 m track incl. sanding of new rails, as well as installation of 13 points, construction of 3,200 m cable ducts, new construction of 2,000 m deep drain, installation of wheel-track adhesion controls, formation protection layer and production of base ballast layer on 25,250 m<sup>2</sup>, excavation and reuse of 24,000 t soil, laying of 27,000 m cables for control, communication and safety system, production of track field lighting and point heating facility.

Project:	SSB U6 2nd construction phase Fasanenhof – Stre Stuttgart (joint venture)
Customer:	Stuttgarter Straßenbahnen AG, Stuttgart
Contract value:	€ 1.6 mio.
Construction period:	8 months
Year of construction:	2020-2021
Facts:	
	m is built with two tracks and leads over a bridge spar ction of rail track as non-ballasted track, system SSB (g

double track as green track SSB, 130 m double-track over the bridge spanning the federal motorway A8, 25 m double-track as grooved rail track.

ect:	Railway line LK1 of PKP PLK, Tschenstochau
tomer:	ZUE S.A., Krakau
tract value:	€ 1.3 mio.
struction period:	25 months
of construction:	2018-2020
s:	

Approx. 65,000 m track conversion by means of machines with dismantling of 27 old level crossings, complete exchange of sleepers, construction site logistics during the entire phase of track conversion.



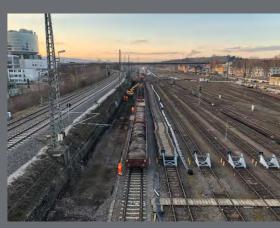
## Elm, Schlüchtern

ning the federal en track). 420 m

ı – Zawiercie, Poland

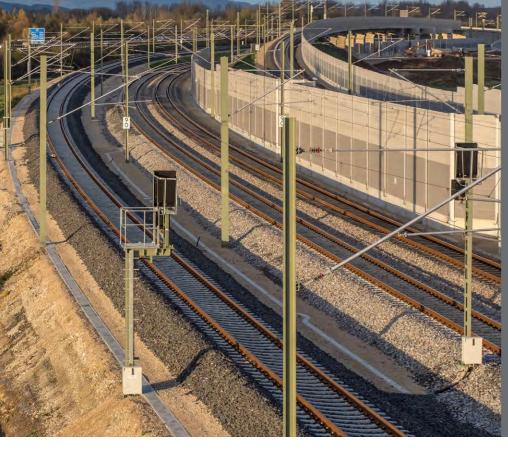












Project:

Customer: Contract value: Construction period: 31 months Year of construction: 2016-2018 Facts:

VDE 8.1 upgrade of line/new construction of line Hallstadt -Ebensfeld - Erfurt, BA 2400 Zapfendorf DB Netz AG, Erfurt € 144.8 mio.

# Upgrade of the 9 km long stretch

Breitengüßbach-Zapfendorf from two to four tracks, incl. new construction of the entire formation, as well as all concerned buildings and roads. Over 700,000 m<sup>3</sup> earthworks in the area of the route and relocation of the river Main close to Ebing, approx. 40 km drainage lines, approx. 48,000 m<sup>2</sup> road construction, approx. 32.5 km construction of new track incl. 8 new points, 8 railway bridges (incl. a 420 m fly-over) and 7 road bridges, approx. 2.6 km supporting walls, 8 road and pedestrian auxiliary bridges, new construction of 4 platforms, approx, 9.3 km noise protection walls, as well as complete overhead line facility and various technological railway facilities

#### Project:

Customer: Construction period: Year of construction: 2018-2020 Facts:

### 330-kV- and 110-kV-overhead transmission line Harku - Sindi (planning and construction), Estonia AS Elering - Estonian main power network company 48 months

Construction of a new 330-/110-kV-overhead transmission line on a route of 177 km of length, licence planning and execution planning, negotiations with landowners, foundation works, small jacked piles, construction works for paths, installation and erection of masts, connection of several substations, testing of newly designed masts on an overhead mast testing facility, dismantling of existing 110-kV overhead transmission lines, single cable lines and bundles of three cables. Specially designed high voltage mast "Sumpffuchs" (marsh fox) installed ready for use.

### Project: Customer: Year of construction: 2018-2020 Facts:

Third overhead line connection between Estonia - Latvia (joint venture) AS Augstsprieguma Tikls (AST) – Latvian main power network company

Construction of the new 330-/110-kV overhead transmission line on a route of 180 km of length, licence planning and execution planning, negotiations with landowners, foundation works, small jacked piles, construction of paths, installation and erection of masts, 110-kV connections to

110-kV-overhead transmission lines, single cable lines and bundles of three.

**IMPLEMENTING AMBITIOUS INFRASTRUCTURE** 

# INFRASTRUCTURE PROJECTS INCLUDING SEVERAL TRADES



## Project:

Project:

Facts:

Customer:

Customer: Contract value: Construction period: Year of construction: 2014-2017 Facts:

VDE 8.1 upgrade of line Nürnberg - Ebensfeld, 4-track upgrade junction Eltersdorf

€ 44 mio. 48 months

Deutsche Bahn AG, Nürnberg

Upgrade from 2 to 4 tracks including flying junction. Creation of the entire execution planning, realisation is carried out during rail operation. Earth moving approx. 300,000 m<sup>3</sup>, approx. 4 km drainage system, incl. chutes and various basins, 16,500 m new construction of track, 14 points, 6 rail and road overcrossings, approx. 600 m supporting structures of a height up to 5 m. New construction of two complete transport depots, 20,000 m<sup>2</sup> noise protection and new overhead line facility, 50 Hz facilities, a 20 kV transformer station, 3 point heating stations, signalling system 90 facility, control, communication, and safety systems incl. cable runs.



Upgrade of line 38 2-track upgrade Altmühldorf - Tüßling DB ProjektBau GmbH, München Contract value: € 10.8 mio. Construction period: 44 months Year of construction: 2014-2017

Upgrade of the line Altmühldorf - Mühldorf - Tüßling from 1 to 2 tracks. Entire execution planning, 5,900 m<sup>3</sup> bottom ballast, 16,600 m<sup>2</sup> formation protection layer, 15,000 m<sup>3</sup> exchange of soil, 5,000 m drainage system, 6,800 m new construction of track, new construction of 33 points, 17,000 t top ballast, renovation of 3 buffer stops, 16,000 m sanding of rails, 5,600 m cable duct, 150 cable crossings, 78 signal foundations, 130 m extension of platform, 126 m renovation of platform roof, 2,100 m noise protection wall (surface: 6,500 m<sup>2</sup>).

# ACTING LOCALLY AND GLOBALLY

# YOUR STRONG PARTNER IN EUROPE AND SPECIALIST FOR CHALLENGING CONSTRUCTION ASSIGNMENTS

Project: Customer: Year of construction: 2018-2021 Facts:

Rail Baltica, Kaunas - Palemonas, Lithuania (joint venture) AB Lietuvos Geležinkeliai, Lithuania

Earthworks and civil engineering structures are carried out by the joint venture partners. Dismantling of track, new construction of track with points, overhead line, control, communication, and safety system are built by LEONHARD WEISS LIETUVA. Station Kaunas: tunnel with new track gauge 1435 on 710 m, 1435/1520 track gauge on 1,960 m, 1520 track gauge on 1,265 m, 15 points.Station Palemonas: new track gauge 1435 on 2,888 m, 1520 track gauge on 840 m, 9 points. Side-track Kaunas - Palemonas: new track gauge 1435 on 5,460 m, 1520 track gauge on 1,470 m, 7 points, 6,000 m electrification.

Project: Track renovation Tapa - Tartu, Estonia Eesti Raudtee AS – Estonian railway company Customer: Year of construction: 2018-2021 Facts:

Dismantling and installation of the line on a stretch of 63 km (sleepers, fastenings, ballast), track conversion works 63 km, earthworks approx. 316,000 m<sup>3</sup>, exchange of approx. 300 wooden sleepers, 45 km production of trenches, installation of 20 points. The work was carried out during pre-defined time slots: 8 months per year, 3 x per week, respectively 12 h per night with 3 teams, preparation works 5 x per week respectively 8 h with one team.

several substations: Saulkrasti, Skulte, Limbaži, Aloja and Rujiena, dismantling of existing





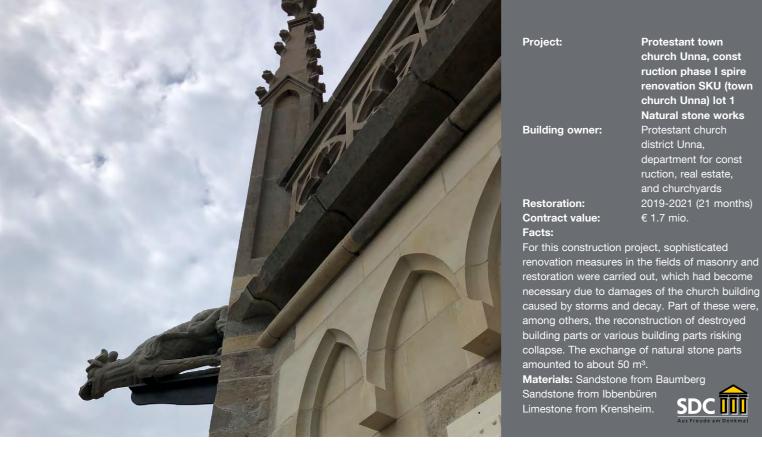
### LEONHARD WEISS in EUROPE

Estonia, Finland, Latvia, Lithuania, Norway, Poland, Rumania, Sweden, Switzerland,

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# GERMAN SUBSIDIARIES AND PARTICIPATIONS



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We produce asphalt of the highest quality for roads, paths, places, bridges, as well as melted asphalt for housing and industrial construction, asphalt track beds / asphalt surface layers, asphalt binder layers, asphalt concrete, mastic asphalt with chippings, melted asphalt, open porous asphalt, special mixtures, ballast, ready-mixed concrete.



With our subsidiaries we address demanding customers in the cosmetics, food, or pharmaceutical industry. We have been fulfilling the highest requirements in new construction and renovation, as well as in expansions, for 30 years.

ment to the individual and spatial requirements of our customers, they are certified and

Our Employees guarantee the success of the project. After a project is terminated, our

of cleaning the floor or offer trainings. Cleaning agents and raw materials are part of our

specialists are still available for consulting our customers. They carry out various tests, take care



Protestant town

church Unna, const

ruction phase I spire renovation SKU (town

church Unna) lot 1

Protestant church district Unna,

Natural stone works

department for const

ruction, real estate, and churchyards 2019-2021 (21 months)

€ 1.7 mio.

LEONHARD WEISS Fußbodentechnik

Contract value: Construction period Year of construction Facts:

Project:

Customer:

Customer: Construction period: Year of construction: 2017-2022 Facts:

Project:

## Federal motorway A6 junction Wiesloch/Rauenberg interchange Weinsberg Bau-ARGE A6 West HOCHTIEF/BUNTE, Heilbronn

55 months

In connection with the construction performances of the PPP project (total length 43 km) protective measures for intermediate work places in the area of the motorway, as well as traffic routing within the secondary road network must be carried out in addition to the main traffic phases.

Project: Customer: Year of construction: Facts:

Railway crossing, Straßfurt Deutsche Telekom AG, Bonn 2021

In February 2021 we supported the company Telekom in a challenging project. A non-disruptive crossing was required for a regional railway line with a lot of rail traffic in Straßfurt. In order not to lose any time with licensing procedures during the realisation of broadband connections and to provide the citizens with rapid internet connections as quickly as possible, the company Telekom opted for the innovative FAST laying method for this project. To cross the railway line, a robot was used to lay the fibre optic cable in a sewer efficiently and quickly.

Project: Customer: Year of construction: Facts:

Digital railway control centre Kleve LEONHARD WEISS, Satteldorf 2021

On 10th May 2021 DB Netz AG released the cable duct systems on support VARIO TOP V1 and VARIO TOP V2 of the company invatec GmbH. This system was used for the first time on the project line Digital Railway Control Centre Kleve with a length of 4,788 m. The advantages are not only obvious when it comes to installing the cable ducts, because the "snap-on" lid allows a faster installation. In addition to that, the requirements in the field of snow glide and snow load, as well as fire resistance were increased, in order to fulfil future specifications. DB Netz AG plans to replace the current systems VARIO TOP size 1 and size 2 by V1/V2 in 2022.

Project:	IAA 2021 München – temporary telematic system Blue Lane
Customer:	Messe München GmbH, München
Contract value:	€ 583,000
Duration:	1 week
Year of construction:	2021
Facts:	

In order to cope with the traffic towards the IAA in München, a special lane was taken into operation on the federal motorway BAB 94 in the area around the access point München - Am Moosfeld to München - Steinhausen, by converting the emergency lane to a special traffic lane, the Blue Lane, for taxis, shuttlebuses, as well as vehicles with electric and hybrid motors. Upgrading the existing infrastructure with surveillance and display systems allowed a temporary use of the emergency lane while at the same time guaranteeing the safety of traffic.

	Railway line 1720 Seevetal – Hörsten, Dismantling and new construction of a noise protection wall
	Deutsche Bahn AG, Hamburg
	€4 mio.
d:	3 months
on:	2021

Dismantling of a 770 m long (height 2 m) and new construction of a 1,000 m long noise protection wall (height 5 m) incl. two torsion beams (41/31 m long). Dismantling, production of the head holes and probing for warfare material were carried out during nightly shutdowns. The noise protection wall was constructed subsequently. During the foundation process 8-14 m long driven casing pipes were installed in the ground, 241 poles erected, 1,349 m<sup>2</sup> base elements and 5,431 m<sup>2</sup> wall elements installed

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services, as well as different individual components.

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# **OUR SITES IN GERMANY:**

Bad Mergentheim Filderstadt Frechen Freiberg a. Neckar Geislingen a. d. Steige Göppingen Günzburg Hamburg Karlsruhe Kirchheim/Teck Köln Langen Langenselbold Leonberg Ludwigsburg Metzingen Markgröningen München Nürnberg Öhringen Plankstadt Ravensburg Satteldorf Sinsheim Stuttoart Weinstadt Würzburg





LEONHARD WEISS CONSTRUCTION COMPANY

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