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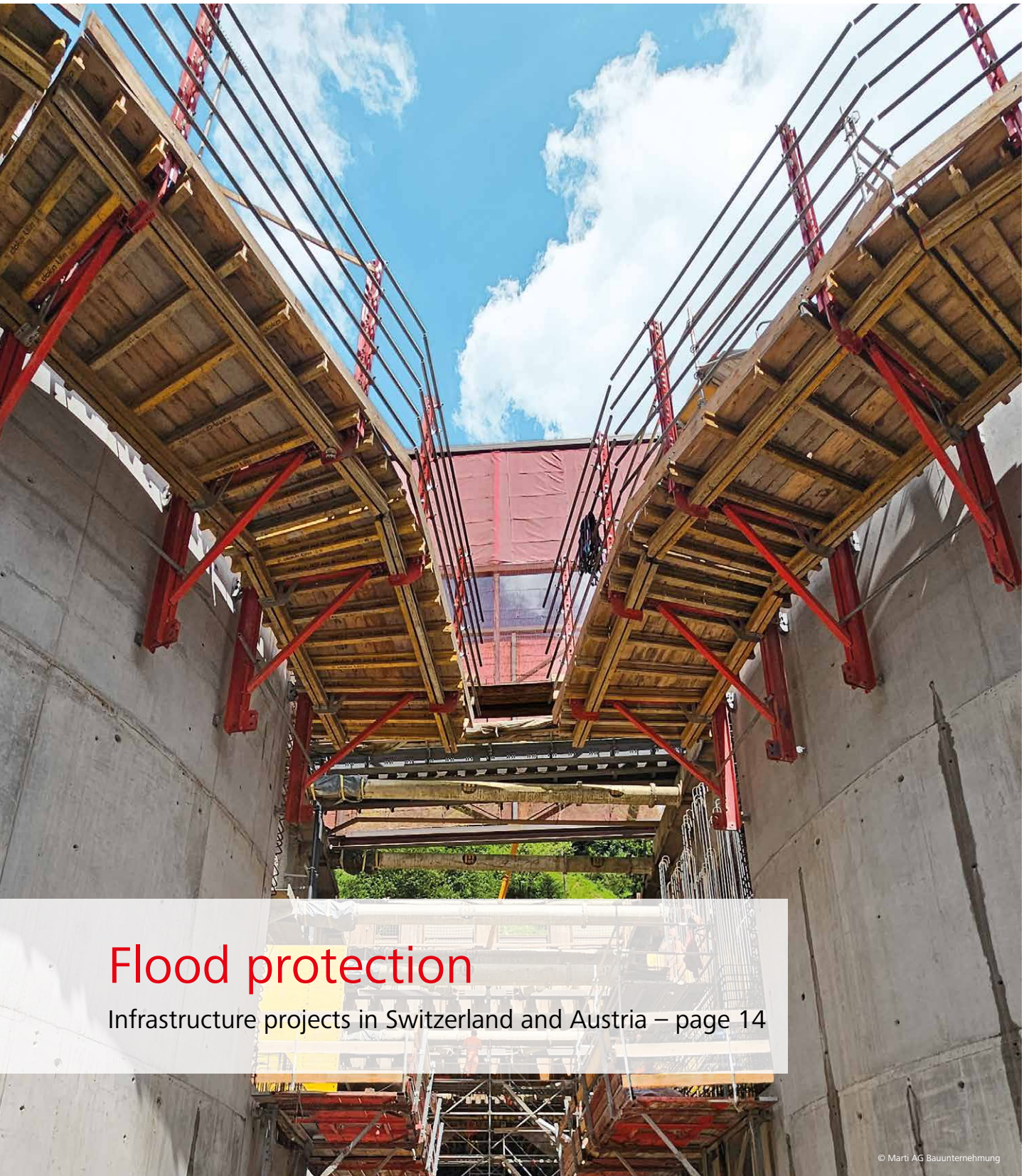
FormworkPress

Professional Formwork News **XII/2025**



Flood protection

Infrastructure projects in Switzerland and Austria – page 14

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Imprint

Site photos show situations which do not always depict the final assembly of formwork with regard to safety regulations. Imprint: Edition XII/2025. Publisher: MEVA Schalungs-Systeme GmbH, Industriestr. 5, D-72221 Haiterbach. Layout: MEVA.

"The end of the year is an opportunity to look back on our achievements with pride and at the same time to renew our motivation for the coming year."

Florian F. Dingler,
Owner and Managing Director
of MEVA Schalungs-Systeme GmbH

Dear Readers,

When a year is coming to an end, it is worth looking back, especially when the year has been as extraordinary as this one. For MEVA, 2025 was dominated by our corporate anniversary celebrations, which were postponed five years ago because of the COVID-19 pandemic. Together with our customers, partners and employees, we were able to celebrate this occasion under the MEVA55 banner over the course of several events. Read all about it starting on page 6. These encounters have again shown us how strong our connections are to all the people who have accompanied us on our journey over the years – and also what an important role personal interaction still plays for long-term innovation.

Innovation was also a core issue in 2025. Our modular engineering system MEKit and the new Alu-platform (page 12) are already successfully proving their worth on construction sites all around the world. The positive feedback from the field has strengthened our resolve to boldly continue our current strategy and to consistently focus on our customers' requirements during our development work. Speaking of requirements, we would also like to offer you the chance to give us your opinion via our FormworkPress magazine and would be grateful for your participation in our survey (page 5). Why? Because with your input, we will be able to more effectively tailor the quality of our products and services to suit your requirements.

Every construction project has its own character. Some infrastructure projects are particularly impressive merely due to their sheer size. In this issue of FormworkPress, we report on the construction of a noise protection tunnel on a motorway near Stuttgart in Germany (page 8), a measure which the local residents have been longing for. We also report on a smart flood protection structure that will protect the inhabitants of the Swiss city Zurich in future (page 12). Both construction projects are currently proceeding on schedule. This shows what a difference smart solutions used by competent partners and committed teams make in practical applications.

Where reliability and technological know-how are called for, we are geared up to make a significant contribution. The end of the year is an opportunity to look back on our achievements with pride and at the same time to renew out motivation for the coming year. We look back in gratitude on the successes we have achieved together with you, our customers and partners, and look forward with confidence to the challenges we will face in the future.

Wishing you an inspiring read, a Merry Christmas and a good start in the new year.

News

Information about MEVA

MEVA enters the Uruguayan market

Together with MAQSSA, a member of the AVAX Group, the leading construction company in Uruguay, MEVA participated in the Feria de la Construcción Uruguay 2025, which took place from October 15-19. For both partners the construction industry trade fair held in the capital, Montevideo, was the first joint public appearance.

In addition to the efficient EcoFix formwork system, which is already well known in the Latin American construction industry and popular for the implementation of infrastructure and residential development projects, MEVA's economical monolithic formwork systems also took centre stage. The monolithic range attracted a great deal of attention thanks to its high degree of flexibility and wide range of possible applications.

For MEVA the joint appearance at the Feria de la Construcción marked a successful start to the partnership with MAQSSA and at the same time an important step towards strengthening our presence and positioning in South America.

Sustainability Report online

MEVA's latest Sustainability Report can be viewed and downloaded with immediate effect on our corporate website. An increasing number of customers, partner companies and interest groups are requesting these documents in order to achieve their own ambitious sustainability goals together with responsible suppliers and partners.

The MEVA Sustainability Report 2025 describes the measures and initiatives taken by our group of companies with regard to sustainable business practices and actions. It enables all interested parties to become more familiar with MEVA and our commitment to the environment and society in general. The document is available in German and English and updated annually.

MEVA's activities are oriented to the 17 Sustainable Development Goals that were agreed by the United Nations (UN) in the 2030 Agenda for Sustainable Development. Corresponding symbols in the report highlight our efforts to promote fair standards, climate protection and social justice worldwide.

MEVA Customer Satisfaction Survey

Let us know what you think

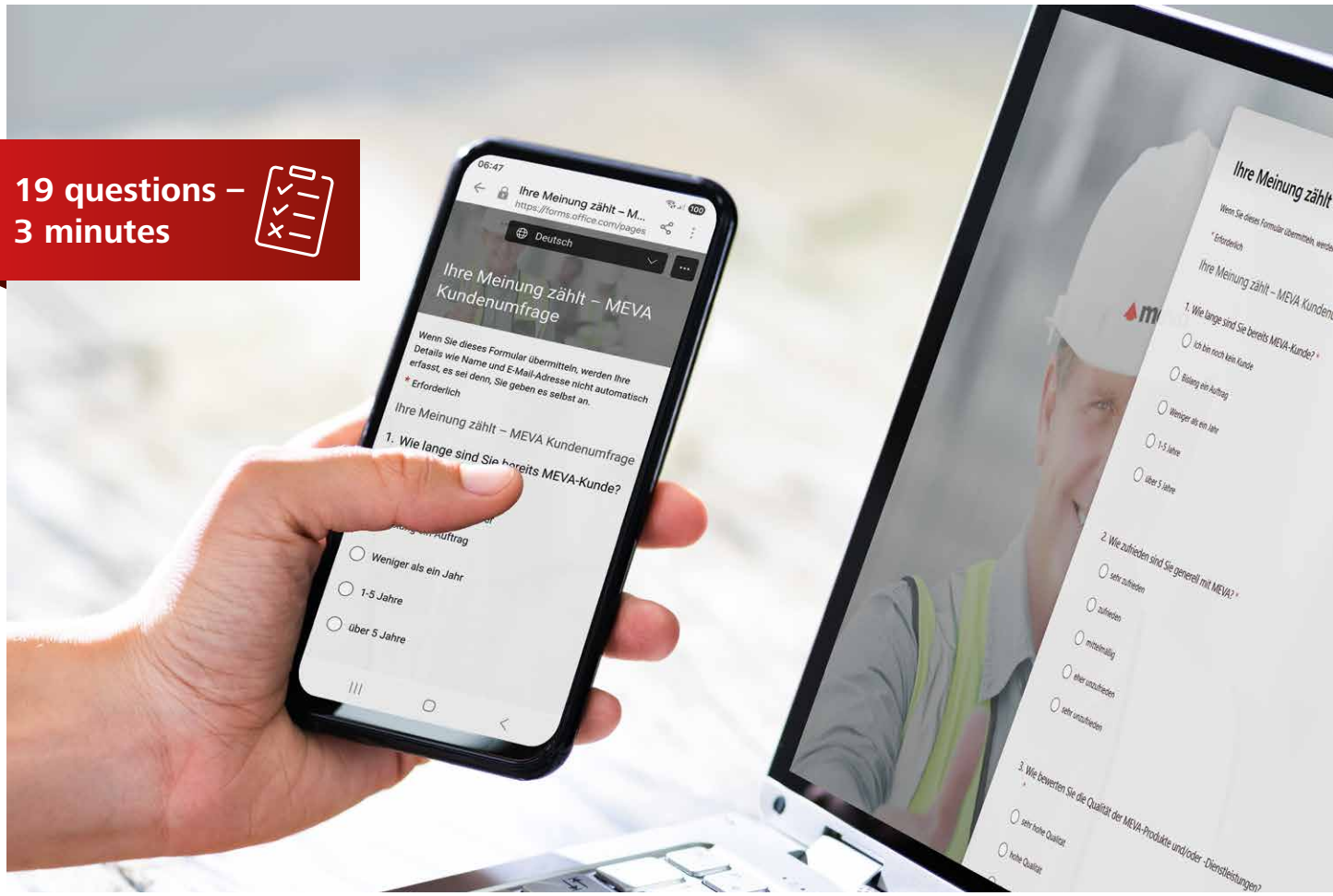
For 55 years now, MEVA has stood for reliable formwork technology, teamwork based on partnership and a firm commitment to quality. The trust placed in us by our customers is both an incentive and an obligation. To enable us to continue developing our products and our services in a targeted manner in future, we would like to involve our customers and partners more actively in the process by means of a simple online questionnaire.

You thus have the opportunity to appraise different aspects of our mutual teamwork ranging from the quality of our products and the reliability of our services to your experiences with your contact persons at MEVA. We would also be interested in hearing your opinion on the working relationship with MEVA in general. Every form of feedback helps us to further develop our strengths and to recognise optimisation potential at an early stage.

It will take you just a few minutes to fill out the questionnaire. All information provided will, of course, be treated confidentially and used for the sole purpose of improving our offering. We cordially invite you to participate and, together with us, to actively contribute to shaping MEVA's future.

You can take part via one of the following methods:

- The online questionnaire (by clicking on the logo at the bottom left)
- By e-mail to infomanagement@meva.net
- By talking to your personal contact person at MEVA



That was MEVA55

Anniversary with numerous events at lots of locations

It was not possible to celebrate our company's 50th anniversary in 2020 because of the COVID-19 pandemic. We made up for this in 2025 under the banner MEVA55 – and how! Whether lively open-house days in Hungary, a rustic "Oktoberfest" in the US subsidiary in Springfield, Ohio, a cheerful family celebration with staff and their loved ones at our headquarters in Haiterbach, a festive gala with guests of honour in Altensteig-Wart or a spontaneous party with dancing, music and cakes at MEVA India in Navi Mumbai,the focus was always on interacting on a personal basis and looking back together on our company's impressive success story as well as successfully completed projects. All told, there was lots of laughter, dancing and animated discussions. We all had a wonderful time!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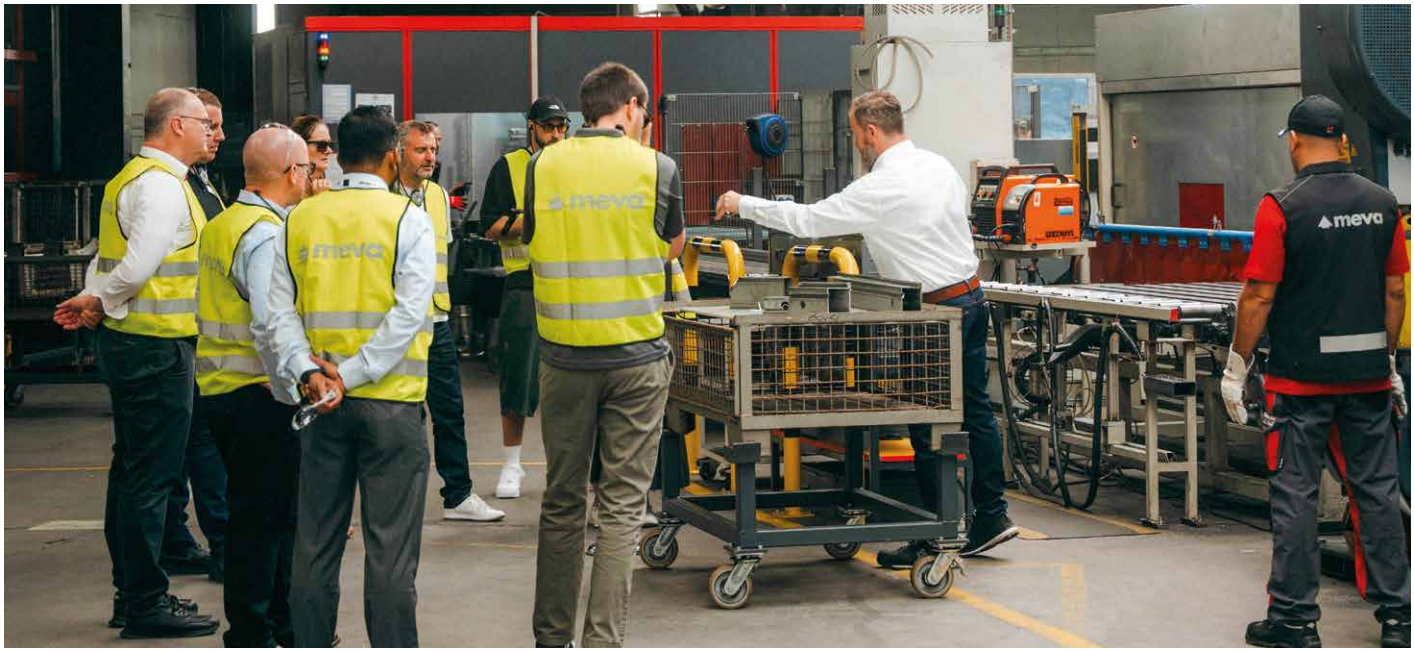
CELEBRATING
MEVA55"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Noise protection tunnel on schedule

Formwork carriages, standard products and special solutions

Until now, only one four-lane section of the A81 motorway separated the towns Böblingen and Sindelfingen in the south of Germany. This bottleneck, notorious for causing traffic jams in the federal state of Baden-Württemberg, is being relieved through the extension to six lanes. The centrepiece of the work is a noise protection tunnel – for the benefit of the local residents.

The complex project with a bridge, 3.5 km of noise barriers and a tunnel is being planned and coordinated by the Deutsche Einheit Fernstraßenplanungs- und -bau GmbH (DEGES). The cut-and-cover noise protection tunnel is being constructed by ARGE A81 Tunnel Baulos 3.2.1, a consortium made up of WAYSS + FREYTAG Ingenieurbau AG, HOCHTIEF Infrastructure as well as STORZ Verkehrswegebau.

The tunnel, which is being built using a cycle-based construction method with leading and trailing formwork carriages, consists of two tubes, each 17 metres wide, accommodating three traffic lanes and forming an 850 m-long noise protection structure. Including the outer walls and the dividing wall between the tubes, the tunnel is nearly 37 metres wide and up to 8.7 metres high. Both tubes are being constructed using 84 tunnel segments, each 10 metres long. Four formwork carriages are in continuous operation as leading and trailing carriages in each tube and are employed in an

The geometry for the roof-mounted ventilation equipment (left) was constructed using special formwork (page 9). The wooden elements were able to be used for all 14 fan recesses.

Below: The emergency bays were constructed using a mixture of standard and special formwork elements (black). The successful result can be seen below.

alternating manner. This enables the trailing carriage to close a gap between previously completed sections while the leading carriage is already two steps ahead. This method enables several cycles to run concurrently and the challenging time frame to be complied with.

One set of special formwork – 14 applications
To accommodate extensive ventilation and safety systems, the tunnel design required numerous recesses and projections along the walls and beneath the roof slab. The concrete surfaces feature constantly changing profiles, geometries and inclinations – almost no single wall runs completely straight. Each one has sloped sections, gradients and individual dimensions. To meet these challenges, MEVA's Special Formwork Department in Haiterbach engineered bespoke wooden structures, for example for the haunches and emergency bays, and delivered them to the site just in time.

Seven recesses for roof-mounted fans had to be taken into consideration in each tube. The requisite special formwork elements were developed so that they could to be used in both directions by turning them through 180°, allowing a single set of formwork to be used for all 14 fan recesses. This not only reduced the costs but also the logistical effort. The technical implementation was also particularly

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Project data

- **Project**
  - Noise protection tunnel on the A81 motorway, Böblingen/Sindelfingen, Germany
- **Contractor**
  - ARGE A81 Tunnel Baulos 3.2.1 (WAYSS + FREYTAG Ingenieurbau AG, HOCHTIEF Infrastructure, STORZ Verkehrswegebau)
- **MEVA systems**
  - Formwork carriage
  - Special formwork solutions
  - Mammut 350 wall formwork system
  - AluStar wall formwork system
  - KAB folding working platforms
  - SK 150 brace brackets
  - MT 60 shoring tower system
- **Engineering and support**
  - MEVA Schalungs-Systeme GmbH, Haiterbach and Munich office, Germany

... continued from page 9

smart. The special formwork was placed on the formwork carriages and then embedded in the concrete by means of fixtures. It was thus possible to move the formwork carriage to the next location earlier than would otherwise have been the case and use it immediately. The special formwork remained on the roof slab and could be subsequently removed.

A number of challenges

The traffic flows right next to the construction site and the south wall of the noise protection tunnel. The available space is also limited to just a few metres on the north side. Well-thought-out logistics enabled the work to be performed safely and the material to be stored.

Another challenge during the early planning phase was the tunnel floor. The floor slabs of the two tubes have different transverse gradients, which also affected the wall formwork as well as the slab formwork carriages. The use of specially manufactured compensation elements ensured that the formwork carriages were able to reliably master the necessary change of transverse gradient, while lorries and other construction machinery were still able to drive through the tunnel at all times.

Upper left: The use of several formwork carriages as leading and trailing carriages enabled work to be performed on several segments of the noise protection tunnel at the same time. Below from left to right: The MT 60 shoring tower is ready to support the heavy load of the plant building (in the middle); Using Mammut 350 and KAB folding working platforms, aesthetically pleasing 8 x 10.5 m wall surfaces were poured quickly and smoothly.

8 x 10.5 m forming areas
The Mammut 350 formwork system was the perfect choice for the construction of the outer walls and the partition wall between the tubes. Several panels were joined together to form 8 x 10.5 m forming areas. As the high-performance Mammut 350 is able to withstand a fresh-concrete pressure of 100 kN/m² over the entire surface, it was possible to pour the concrete quickly and gain time. KAB folding working platforms with integrated platform planking and folding railing provided for safe and comfortable working conditions. Once the concrete walls had set, the formwork and the working platforms were easily relocated using a mobile crane.

In the middle of the 850 m-long tunnel, a plant building for the technical monitoring of the tunnel operations was installed on the roof. Besides Mammut 350 and KAB, AluStar wall formwork was used here. In order to reliably transfer the high loads acting on the tunnel roof during the construction work, MT 60 shoring towers were erected over an area of about 1,400 m².

Construction work on schedule
The concrete construction work for the noise protection tunnel began in February 2024. The 1.5-metre-thick foundation was completed using MEVA brace brackets SK 150 and specially manufactured formwork for the end faces, and at the same time the first wall segments were poured. The eight formwork carriages were also in continuous operation and could be moved on heavy-duty castors. The work gained momentum at an early stage. It was, for example, possible to complete 20 metres of tunnel a week. Each slab segment was stripped after about five days. The quality of the concrete surfaces has been impressive.

The structure is continuing to grow within the specified time frame. By November 2025, 77 of the 84 tunnel segments had been finished and the final tunnel block should be stripped in March 2026.

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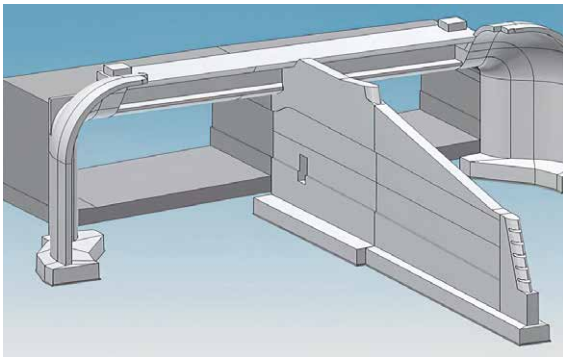
To be continued

Once the noise protection tunnel has been completed in March 2026, the next step will be the construction of the two tunnel portals. Special solutions will also be required for this work. We will be reporting on this in one of the next issues of FormworkPress – Stay tuned!



Safe working with Alu-platform

Ideal for the MEVA wall formwork systems

In combination with the walkway bracket 90 and guard-railing post, the new Alu-platform from the MEVA Safety Kit product group helps to provide safe and comfortable working conditions on all MEVA wall formwork systems: Mammut XT, Mammut 350, StarTec XT, StarTec, AluStar and AluFix.

No additional tools or material such as wooden planks are required. Sawing tasks in accordance with valid accident prevention regulations are just as superfluous as staff training. The Alu-platform is a cost-effective system solution that offers everything from a single modular system.

The Alu-platform is available in two sizes with an extension and is thus not constrained by the formwork panel width. Securely connected to the walking bracket 90, it can accommodate loads of 150 kg/m². The system's low weight allows it to be securely and effortlessly fixed to the formwork at ground level and craned into position as a single unit. The easy handling speeds up progress on site. Moreover, transportation and storage are simplified by the small number of components.

The durable, non-slip aluminium platform profiling, self-closing access hatch with permanently integrated ladder and side railing units vouch for absolute safety during upward and downward movements, assembly and concreting operations.

The Alu-platform is securely connected to the walkway bracket 90 and is quickly and easily combinable with the MEVA rear safety mesh and guard-railing post 48/120 UK.

Simple. Smart.

→ **Safety**
- Aluminium flooring with anti-slip profiling
- Self-closing access hatch with permanently integrated ladder
- Assembly in conjunction with formwork at ground level
- Perfectly adapted side railing

→ **Intelligent product design**
- Cost-effective system solution, offers everything from a single modular system
- Flexibility thanks to two sizes and an extension, not constrained by formwork panel width

→ **Cost-effectiveness**
- Durable aluminium components, galvanised-steel side railing
- Small number of components simplify transportation and storage

Flood protection for Zurich

ARGE Marti creates a structure that is as impressive as it is important

In order to improve its flood protection, the canton of Zurich is constructing a flood relief tunnel between the Sihl Valley and Lake Zurich. The impressive structure will connect two bodies of water below ground. The project is being executed by ARGE Marti Entlastungsstollen, with the inlet and outlet structures built using MEVA solutions.

Flood water stops at nothing. Zurich, the largest city in Switzerland, only just avoided a catastrophe in 2005. The city centre and the main railway station lie in a triangle between Lake Zurich, its outfall, the Limmat, and the Sihl – a normally sedate river, which after torrential rainfall has to discharge huge amounts of water collected from an area of more than 340 km² in the pre-Alpine region in Canton Schwyz into the Limmat. In the event of flooding, Zurich faces financial damage that could amount to billions of Swiss francs.

Project data

→ **Project**
- Flood relief tunnel between the Sihl Valley and Lake Zurich, Langnau am Albis / Thalwil, Switzerland

→ **Principal**
- Canton Zurich Building Department, Office of Waste, Water, Energy and Air

→ **Contractor**
- ARGE Marti Entlastungsstollen: Marti AG Bauunternehmung, Zurich, and Marti Tunnel AG
- www.marti-zuerich.ch

→ **MEVA systems**
- Mammut 350 wall formwork
- Radius circular formwork
- HC JumpForm climbing formwork
- KAB folding working platform
- Special design
- STB 450 support frame
- Triplex SB heavy-duty props

→ **Engineering and support**
- MEVA Schalungs-Systeme AG, Seon, Switzerland; MEVA Schalungs-Systeme GmbH, Haiterbach, Germany

Connection between river and lake

In future, the flood relief tunnel between the Sihl Valley and Lake Zurich will protect the city's inhabitants. A few kilometres south of the city, the Sihl River flows past Lake Zurich at a short distance and is only separated from it by the Zimmerberg mountain. A 2.1 km-long tunnel under this mountain will create a connection with a diameter of 6.6 m from the Sihl River to Lake Zurich. If there is a risk of flooding involving a volume of water above 250 m³/s, the excess water in the fast-flowing river will be diverted through the tunnel to Thalwil and into Lake Zurich. The level of Lake Zurich will rise only few centimetres. Zurich will thus avoid a potential catastrophe. ARGE Marti Entlastungsstollen, made up of Marti AG, Bauunternehmung in Zurich and Marti Tunnel AG, is responsible for execution of the overall project.

Inlet structure

Rainwater collection basins and a 130 m-long longitudinal weir form a complex structure with round, sloping and straight walls of varying heights on the Sihl River near the village of Langnau am Albis. Like a huge rake, a 100 m-long baffle wall prevents the inlet becoming clogged up by tree trunks and other flotsam. A concrete weir with air-filled 2.5 m-long hoses blocks the inlet into the tunnel when the water level is normal. When measuring devices signal a critical level, the hose weirs are automatically lowered and water from the Sihl River flows into the tunnel in a controlled manner.

To construct the walls that keep the raging water in check and divert its flow, 260 m² of Mammut 350 MEVA formwork were used. This will also be used during the last phase – for the 60 cm-wide, 120 cm-high concrete beams of the roof as well as construction of a plant building above the tunnel inlet. The construction company Marti has already used the robust heavy-duty formwork in numerous projects. "Our staff are well versed in handling the Mammut 350 and this increases our efficiency," reports Manuel Rohr, the construction manager at Marti in Zurich. For the straight wails of the water inlet, 50 KAB working platforms with integrated platform planking and folding railings ensured comfortable and safe working conditions.

80 cm-thick round walls, which channel the flow into the underground pipes when the water level is high, were constructed first in three stages, each with a length of 14 m and a height of 3.40 m using

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The sloping baffle wall can be seen top left and below this the longitudinal weir that enables the flood water to run over into the channel (in the middle). Between the round walls, the water is channelled into the underground pipes with a diameter of 6.6 m. The entire area is presently being roofed over and a plant building is being built on top of the tunnel's inlet structure. The final step will be to landscape the slab so that the inlet structure is almost completely invisible.


© Marti AG Bauunternehmung

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single-sided formwork with the help of the HC JumpForm. 16 units of this smart climbing system were assembled and quickly moved by crane. The structural calculations were performed at MEVA's headquarters in the German town of Haiterbach.

Marti AG has already gained extensive experience with the circular formwork system Radius in other projects. Manuel Rohr: "Handling was optimal. We had to deal with three different radii on our construction site and were able to easily adapt the formwork correspondingly. This enabled us to perform the work within the specified time frame and with little effort. In addition, the resulting surface is really pleasing thanks to the steel facing – one could even sell this concrete as type 4."

As the uneven topography on the building site made it more difficult to place the formwork in some places, MEVA delivered special wooden structures to compensate for this. The construction of the inlet structure was facilitated by the use of Revit 3D models as IFC files.

A special feature is the baffle wall that separates out flotsam thanks to its 76° inclination. This was also poured using Mammut 350 and secured with Triplex SB heavy-duty props until the slab was completely and securely connected to the baffle wall.

Outlet structure

At the other end of the tunnel in the outlet structure located in Thalwil on Lake Zurich, a cushioning chamber slows the rushing water from 50 to 15 km/h before it is channelled unseen below the surface into the lake via a 90 m-long outfall structure. Here, it was also necessary to used single-sided formwork. The experienced Marti construction team used a tried-and-tested combination of the Mammut 350 heavy-duty formwork secured by STB 450 support frames so that the fresh-concrete pressure could be reliably transferred into the ground.

Summary from the construction manager

"We decided to work with MEVA because the formwork is well suited to our requirements – in particular for the high walls that were poured using single-sided formwork," reports construction manager Manuel Rohr. "The necessary material comes from our own Marti depot and was supplemented with rental equipment from MEVA. MEVA supplies material very quickly – we received all the material required for the complicated formwork on time. The work preparation was performed as a team and every consultation brought us closer to the goal. We had already solved a great many details before the work was performed and were always able to continue the work efficiently, without unnecessary stoppages." This brings us to the most important statement: "We are satisfied and are making good progress with the project."

Left: Round walls with different radii, climbed using HC JumpForm and formed using the Radius system. Middle: KAB folding working platforms on the walls of a water inlet. Right: The inclined baffle wall is secured by Triplex SB props until it forms a unit together with the roof.

Solutions for every challenge

Construction company GLS optimises flood protection at the gates of Vienna

The Wien River flows sedately towards the eponymous capital city of Austria. However, problems are inevitable if heavy rainfall causes the water level to rise rapidly. To prevent flood damage if the river bursts it banks, retention basins are being built just outside the city with its more than two million inhabitants. The work on the historical weir walls was successfully completed by the construction company GLS using rental formwork from MEVA.

The increasing number of residential buildings on both sides of the river along with a railway line restrict the watercourse in the Auhof area just a few kilometres west of Vienna. The authorities recognised the urgent need for further protective measures. Thanks to its increased capacity, the existing rainwater overflow installation, the Auhof basin, will be able to handle even larger volumes of water in future. The old weir walls, which have served their purpose for about 120 years, were renovated and heightened over a length of 1,750 m. Wiener Gewässer Management Gesellschaft commissioned GLS Bau und Montage GmbH to carry out the project.

Wall heights up to 8.0 m

The walls, which were originally built at the start of the 20th century, were modernised by installing single-sided formwork facing shells and using concrete in accordance with the white tank (Weiße Wanne) waterproofing principle. The construction project consisted primarily of an approximately 1,250 m-long and up to 8.0 m-high separation wall as well as five weir crests with a total length of almost 500 m and heights up to 7.5 m. Furthermore, two old steel catwalks and components such as sliders, etc. were renovated in compliance with legislation on the preservation of archaeological and historic sites.

Mammut 350 rented

With MEVA's Mammut 350, the experienced team at GLS Bau und Montage GmbH used a particularly robust, high-performance wall formwork system to form the high, thick walls. Mammut 350 can withstand a fresh-concrete pressure of 100 kN/m² over the entire surface and thus allows rapid and safe pouring work. MEVA delivered the formwork directly to the construction site. GLS had decided

on the MietePlus package and thus profited from costing certainty during the entire project. After all, besides rental equipment and logistics, this package includes all other services such as cleaning and repairs so there was no need to worry about hidden costs.

No tie rods and glued

For the flood defence walls, which were to be formed without tie rods for obvious reasons, GLS used an unusual combination – the Mammut 350 system's formwork panels were fixed in place using up to 7.5 m-long double U-shaped sections. The plans for the formwork solution were developed by MEVA's formwork engineers. One challenge was the tying of the up to 8 m-high, single-sided formwork in the brittle historical concrete. This was successfully mastered by glueing DW 200 formwork tie rods into the existing walls. The wall inclination of about 70° and as the deviation of the facing shells from the perpendicular made the preparation work, such as the erection of scaffolds, the relocation of rebar material and the forming tasks themselves, more difficult. Last but not least, the accessibility of the construction site was made more difficult because of the prevailing subsoil conditions. GLS Bau always had suitable solutions on hand.

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Project data

- **Project**
  - Renovation of the Wien river retention basin, Vienna, Austria
- **Principal**
  - The City of Vienna – Municipal Department 45 – Water Management
- **Principal**
  - Wiener Gewässer Management Gesellschaft mbH, Vienna, Austria
- **Contractor**
  - GLS Bau und Montage GmbH, Perg, Austria
  - www.gls.at

GLS

- **MEVA systems**
  - Mammut 350 wall formwork
- **Engineering and support**
  - MEVA Schalungs-Systeme Gesellschaft m.b.H., Pfaffstätten, Austria

Cleverly combined

Flat roof of a plant building quickly formed using MEP and MevaDec

Birchmeier Bau AG constructed a plant building with a floor area of 600 m² in the Swiss canton Aargau. The flat roof of the single-storey, 7.50 m-high, purpose-built building was quickly formed with low material and time requirements.

The experienced team led by construction manager Fabian Treier and foreman Daniel Weiler relied on a combination of MEVA systems: the MEP shoring tower and the MevaDec slab formwork. These harmonise perfectly in terms of their dimensions and simple assembly. The load values determined by MEVA provided the construction company with security without additional planning work.

MEP does not produce a "forest of props". The shoring tower is precisely coordinated with the system dimensions of the MevaDec slab formwork.

MEP shoring tower

The modular MEP shoring tower system, designed to support slab formwork, slab tables, concrete beams or prefabricated components up to a height of 21 metres, can be flexibly adapted to suit every building geometry. It is easy to use and requires no time-consuming spindle work. The SAS quick-lowering system enables the props to be lowered using a hammer. MEP does not produce a "forest of props" and thus provides for ample freedom of movement between the shoring towers. The 170 and 220 frames are designed to suit the MevaDec system dimensions. Complete shoring towers can be relocated effortlessly using a lift truck.

At the building site in Mülligen, the team from Birchmeier Bau AG positioned lifting platforms between the shoring towers. Where accessibility was insufficient, scaffold platforms were used to ensure safe installation and stripping of the formwork.

Birchmeier Bau AG used MEP material from its own stock. The small number of basic parts – prop, extension, frame – ensures simple and well-organised storage on the construction site. Some of the MevaDec panels were rented from MEVA as part of the popular comprehensive MietePlus package. As this package includes not only logistics but also all services such as cleaning and repairs, the construction company profited from costing certainty right from the start.

MevaDec slab formwork

MevaDec can play to its strengths in many areas, for example in residential housing construction where the lightweight aluminium formwork panels are also inserted into the beams from below. This makes the complicated assembly of fall protection equipment superfluous, which according to the latest SUVA guideline for Switzerland is already mandatory above a height of 2.00 metres.

However, other qualities were required for this project in the canton of Aargau, e.g. the possibility to select between three slab-forming methods. In this case, the drop-head-beam-panel method was the ideal choice. That was because after the initial slab section has been poured, it enabled the primary beams and panels to be lowered and stripped, and to be used for the next section while the initial slab

section, which had not yet completely hardened, remained supported by the props.

Early stripping, which provides for rapid construction progress, can even be performed by a single person. Of course, this is because the MevaDec system is so light, with the standard 160/80 panel only weighing 16 kg/m². Ergonomic frame profiles and grip openings ensure safe and effortless handling even when it is wet. With the uniform joint pattern and the alkus all-plastic facing fitted as standard, the Birchmeier team achieved concrete surface finishes with aesthetic appeal.

"Efficient and safe project execution"
The construction company was satisfied with the progress made during the project, and the building shell was handed over to the principal on schedule. Fabian Treier, construction manager at Birchmeier Bau AG, summed it up: "Using the MEVA products, we were able to execute the project on the construction site efficiently and safely. In the person of Simon Boenke, we had a competent partner at MEVA who was always prepared to provide us with advice and assistance."

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Project data

- **Project**
  - New plant building, Mülligen, Switzerland
- **Contractor**
  - Birchmeier Bau AG, Döttingen, Switzerland
  - www.birchmeier-gruppe.ch

  BIRCHMEIER
- **MEVA systems**
  - MEP shoring tower system
  - MevaDec slab formwork
- **Engineering and support**
  - MEVA Schalungs-Systeme AG Seon, Switzerland

The modular shoring tower designed to support formwork systems up to a height of 21 metres can be simply erected using only a few basic parts.

Top service and proven quality

XFORM – the new brand for used formwork

The advantages of used formwork include cost-effectiveness and sustainability. With XFORM, MEVA has established a strong brand for the sale of high-quality reconditioned formwork. In Haiterbach in the south of Germany, products from MEVA and other manufacturers are carefully checked, professionally reconditioned and sold worldwide.

"Our customers profit from low prices, reliable quality and a bespoke service provided through the MEVA Group's robust network – from the selection of the formwork to the provision of technical advice," reports René Wolleydt, the used equipment sales manager. Thanks to a smooth and experienced logistics network, delivery and transport are quick and predictable. "We have already supplied used formwork to a large number of satisfied customers around the world," says

"From material requirements planning and delivery to customs issues, we take care of everything, allowing our customers to concentrate on their core competencies."

Melanie Fernandes Quinteiro, Business Sales Support

XFORM stocks formwork that can render good service over many years and in countless projects.

“XFORM stands for reliable quality, professional advice and outstanding service that goes beyond the conventional trade in used equipment.”

René Wolleydt, used equipment sales manager

Melanie Fernandes Quinteiro, who is responsible for XFORM’s Business Sales Support. For example, formwork equipment has been delivered not only to construction companies in Europe but also in Chile, Morocco, Dubai, Mongolia and the USA, where it has been used in challenging construction projects. Melanie Fernandes Quinteiro: “From material requirements planning and delivery to customs issues, we take care of everything, allowing our customers to concentrate on their core competencies.”

The XFORM offering stands out due to the proven quality of the brand-name products and the bespoke consultancy service provided to interested parties. Construction companies are not only able to order used formwork but also used working platforms, compatible new material and, of course, accessories, for example. “If a special customer requirement cannot be fulfilled immediately, we carry out research in our expansive network,“ reports René Wolleydt. “XFORM wants to set new standards in the international trade with used formwork. Our knowledge of market conditions, our know-how and the extensive practical experience provided by proven formwork professionals as well as the possibility to draw on the resources available at MEVA as a global company form an optimum basis for this. We purchase used formwork, check it in accordance with transparent quality standards and return it to construction sites around the world. XFORM stands for reliable quality, professional advice and outstanding service that goes beyond the conventional trade in used equipment.”

Melanie Fernandes Quinteiro adds: “Through our global sales network, our know-how and the personal consultancy, our used formwork yields maximum benefits precisely at those locations where it is really required.”

www.xform-works.net

Expertise in used formwork: Melanie Fernandes Quinteiro and René Wolleydt.

You can rely on us wherever you are.

With over 40 offices on 5 continents, we are on the spot wherever you need us.

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