

ALLROUND FW SYSTEM LIMITLESS APPLICATIONS



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STRONG – FAST – VERSATILE.

THE ALLROUND FW SYSTEM

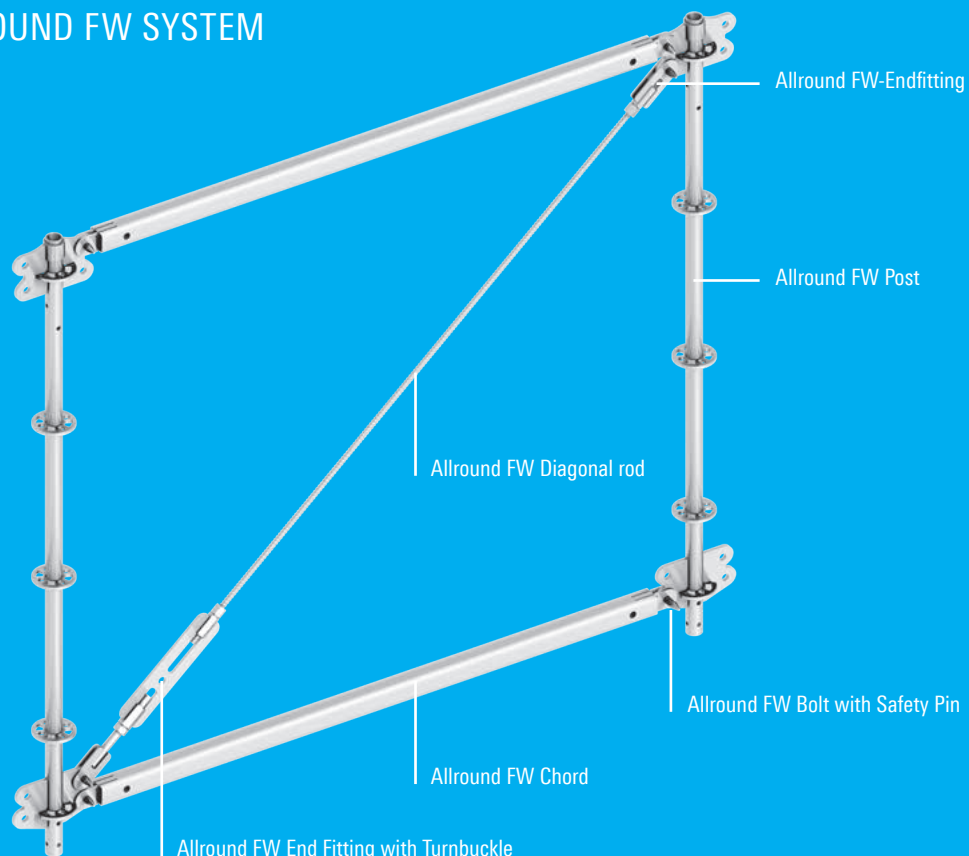
To provide economical solutions to wide-span bridging too, or to support heavier loads, the Layher range now includes the Allround FW System. This additional Allround component is a modular-designed lattice beam of high load-bearing capacity that can be completely integrated into the Allround construction kit thanks to the standardised system dimensions. For lattice structures, only three essential supplementary components are needed, and they can be rapidly connected using pins: an Allround FW post, a sturdy Allround FW chord as the top and bottom chord, and a length-adjustable Allround FW diagonal rod from a tensioning rod. Lateral bracing is achieved using the standard parts of the proven Allround Scaffolding.

A contribution to the high load-bearing capacity of the new product is made on the one hand by the use of efficient steel grades and the design height of the Allround FW System, and on the other hand by its installation in the Allround system standard dimension. This ensures a structurally advantageous and central force transmission – an offset is prevented. A further special feature is the stepless adjustment of the diagonal rods using a turnbuckle – for example to build slightly higher structures. This compensates for unwelcome sagging. A crossed diagonal configuration is also possible for transmitting tension and compression forces occurring at the same time. The modular design of the Allround FW System not only permits flexible heights, widths and lengths for optimum adjustment to load and geometry requirements, but also ensures eco-

nomical transport and assembly. This is thanks to bolt-free connection technologies and the low weight of the handy individual components, which is 17.4 kilograms maximum. If no crane is available at the site, the Allround FW System can also be assembled manually without any problem.

Combination with the comprehensive range of proven Allround Scaffolding products, including decks, is also possible. In addition to connection possibilities for the FW chords and diagonal rods, the Allround FW post also has rosettes for attachment of Allround ledgers and diagonal braces for horizontal expansion. The open ends of the Allround FW post furthermore permit expansion upwards using Allround standards – or downwards as suspended scaffolding. The effective Allround FW System is used selectively wherever required by the span, the loads or the task in hand. The variety of applications covers wide-span work platforms, support beams, bridging structure and projections in facade and birdcage scaffolding, suspended structures or projecting arms for work on the undersides of bridges undergoing repair. Even wide-span roof trusses for temporary weather protection roofs can be constructed effortlessly.

BASIC PARTS ALLROUND FW SYSTEM



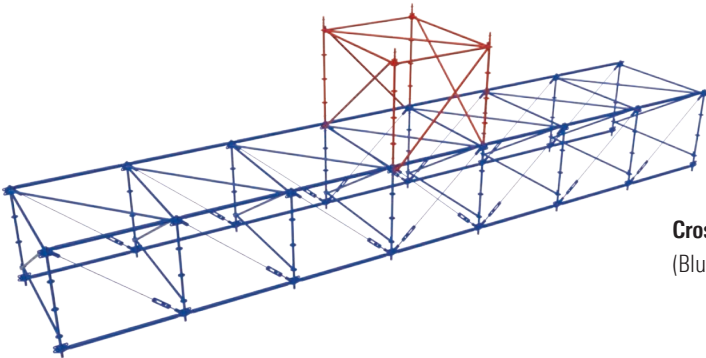
POST-CHORD COMBINATIONS

Post \ Chord Dimensions				Statical height
	2.57 m	2.07 m	1.57 m	
2.00 m				1.80 m
1.50 m				1.30 m
1.00 m	N/A			0.80 m

APPLICATION EXAMPLES

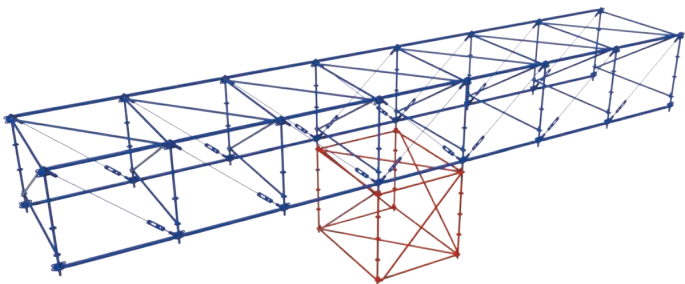
Support Beam for scaffolding

(Blue: Allround FW System | Red: Allround scaffolding)



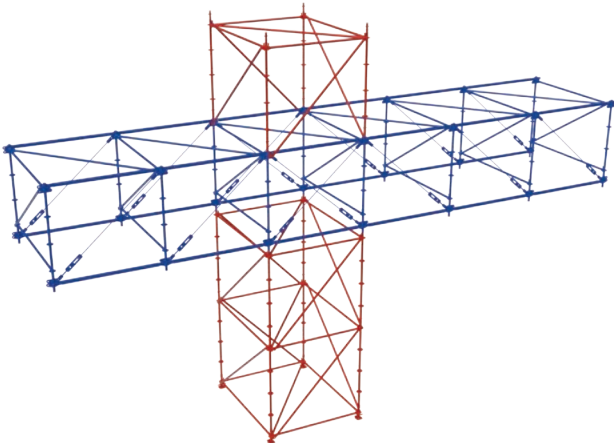
Cross Beam for suspended scaffolding

(Blue: Allround FW System | Red: Allround scaffolding)

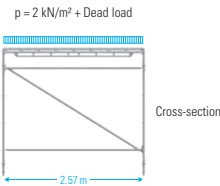


Cantilever Beam for scaffolding

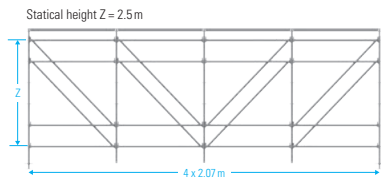
(Blue: Allround FW System | Red: Allround scaffolding)



SPAN COMPARISON (EXAMPLE)

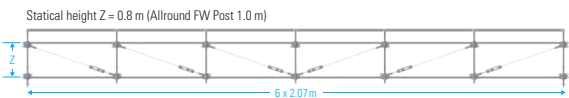


Allround

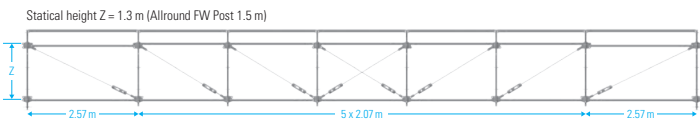


Maximum Span
8.29 m

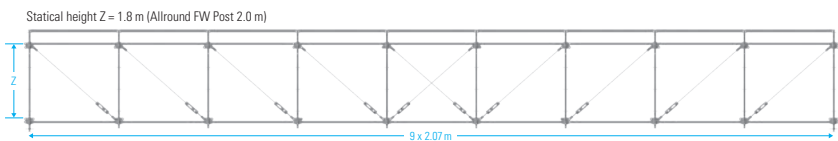
Allround FW System



Maximum Span
12.42 m

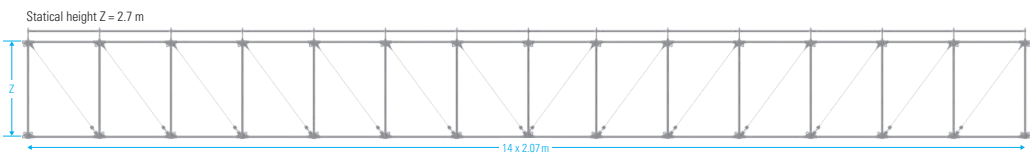


Maximum Span
15.49 m



Maximum Span
18.65 m

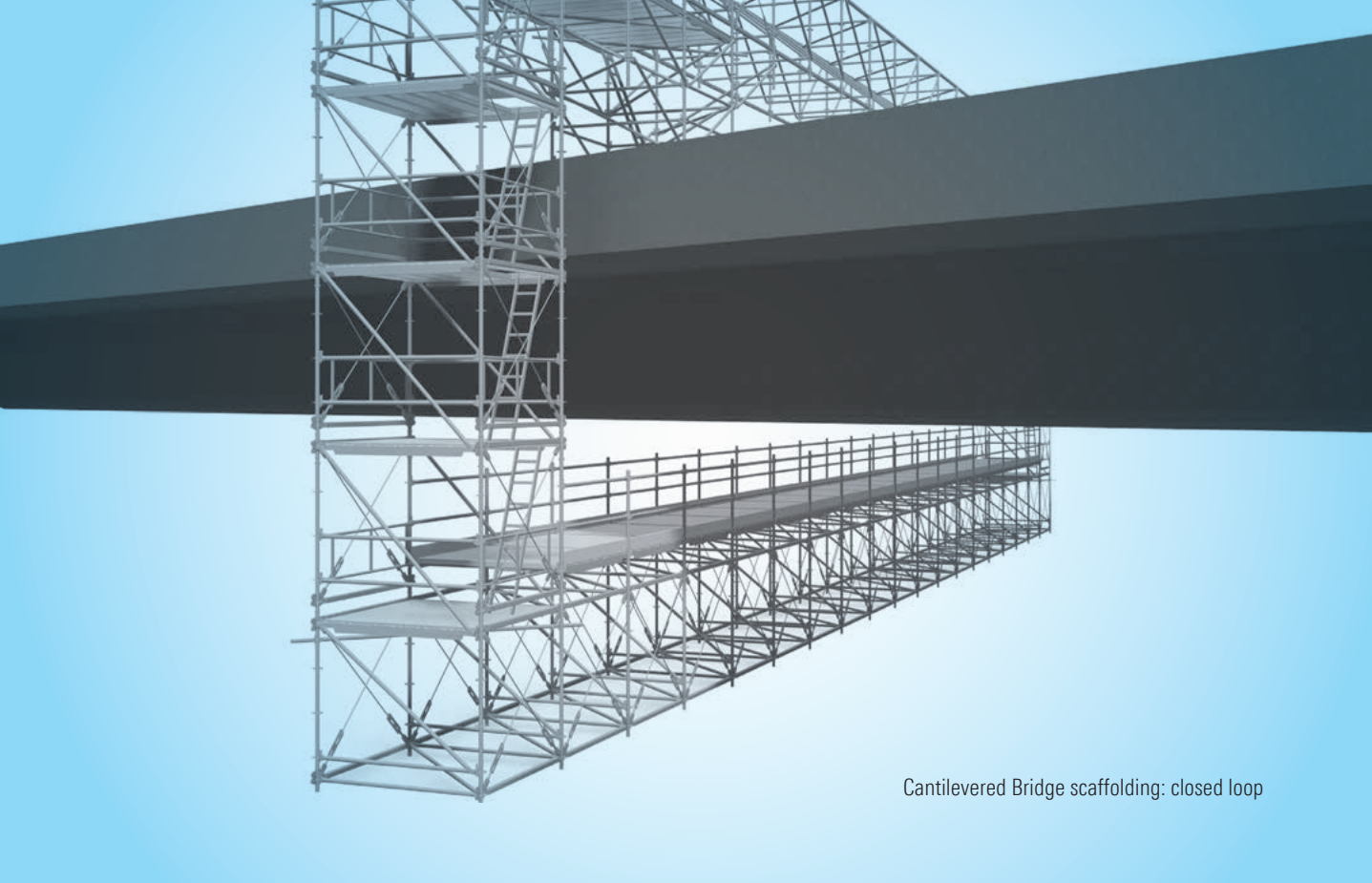
Allround Bridging system



Maximum Span
28.01 m

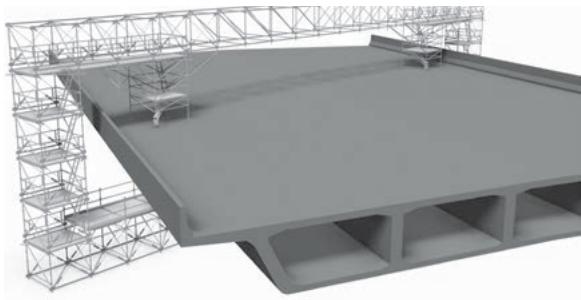
YOUR BENEFITS AT A GLANCE

- ▶ Limitless applications.
- ▶ Seamless integration into Allround structures. The components are located on the system axes in all three directions.
- ▶ Combinable with all components of the Allround system.
- ▶ High load-bearing capacity owing to the structural height and steel material.
- ▶ Consists of easy-to-use components; the maximum component weight is 17.4 kg.
- ▶ Cambering of the truss is possible by shortening the diagonal braces with the tensioner.
- ▶ Diagonal braces can be crossed.
- ▶ Can be used as an "Allround structural truss", platform truss, cantilever truss.
- ▶ Supplementary components enable use for roof structures.

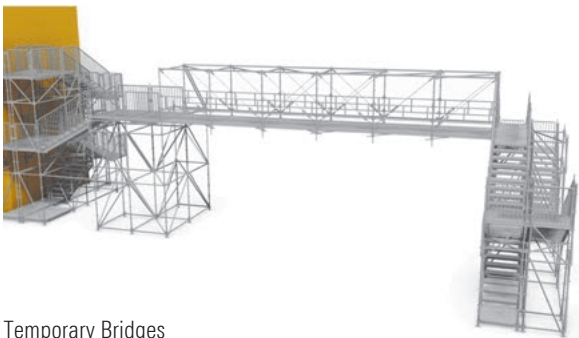


Cantilevered Bridge scaffolding: closed loop

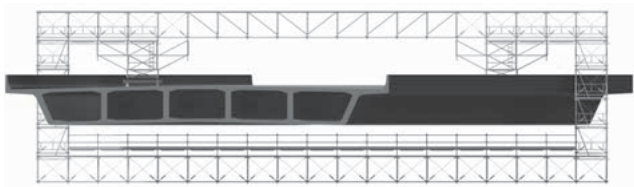
APPLICATIONS



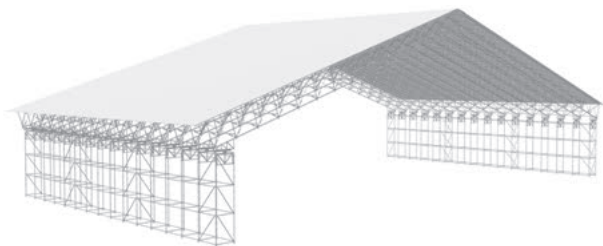
Cantilevered Bridge scaffolding with integrated access



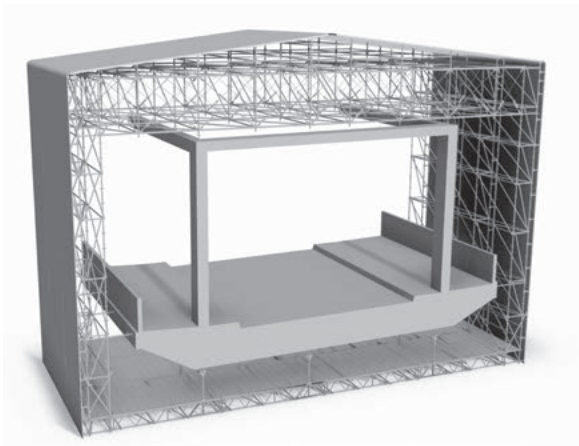
Temporary Bridges



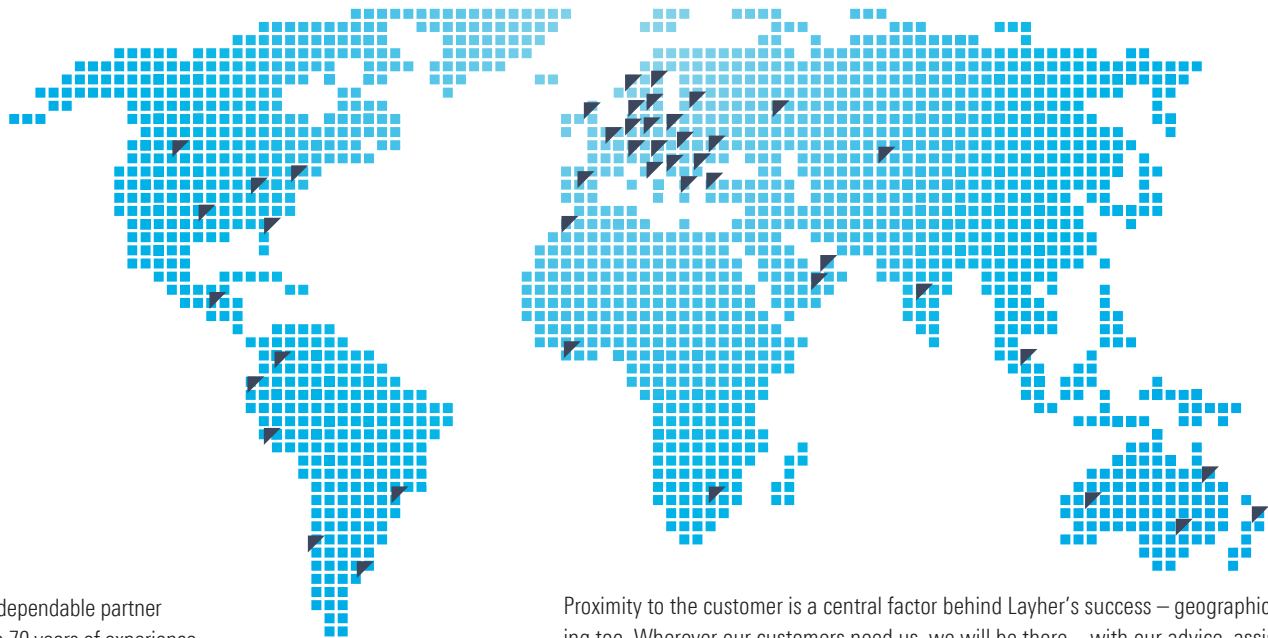
Cantilevered Bridge scaffolding with wide platform



Wide spanning roof structures



Integrated FW System with suspended Scaffold and Roof / Cladding



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Proximity to the customer is a central factor behind Layher's success – geographically speaking too. Wherever our customers need us, we will be there – with our advice, assistance and solutions.



SpeedyScaf



Allround Scaffolding



System-free Accessories



Protective Systems



Shoring



Event Systems



Rolling Towers



Ladders



Headquarters in Eibensbach



Plant 2 in Gueglingen

Layher 

More Possibilities. The Scaffolding System.

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