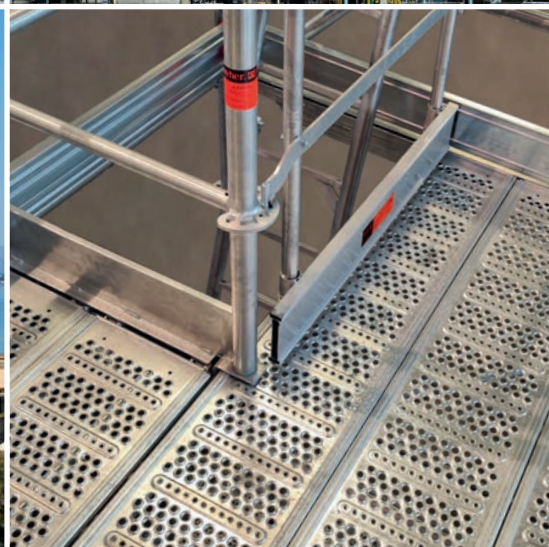
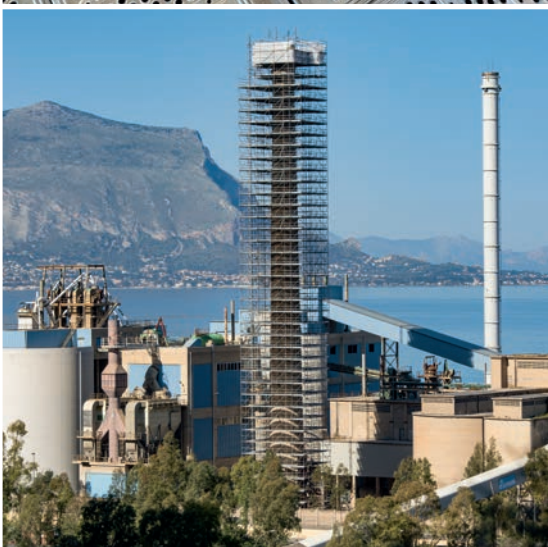


## LAYHER ALLROUND SCAFFOLDING® EXPANSION PARTS IN INDUSTRIAL SCAFFOLDING CONSTRUCTION LAYHER ALLROUND SCAFFOLDING U-VERSION

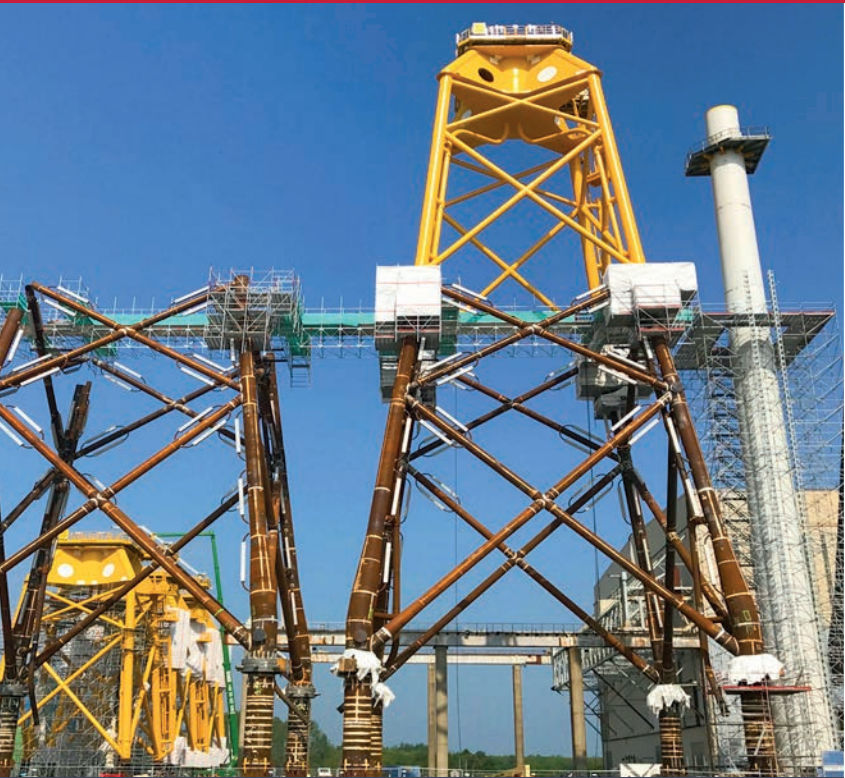
Edition 10.2022  
Ref. No. 8116.240

Quality management  
certified to  
DIN EN ISO 9001





# LAYHER ALLROUND SCAFFOLDING®



FW System craned in | Wind farm Beatrice



Column scaffolding | Refinery



Wood-free work scaffolding at power station



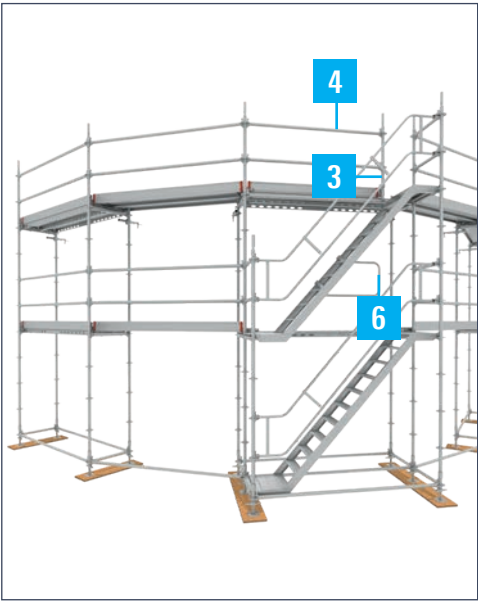
FlexBeam and FW System | Waste incineration plant



Crane-movable tunnel scaffolding | Tunnel repair





# SAFER ACCESS



**1** **U-platform stair, aluminium**  
1753.257 – 307  
1753.251 / 252 / 258 / 308  
alternatively  
**U-comfort stair**  
1755.257 – 307


**2** **Stair guardrail**  
2638.257 – 307  
2638.251 / 252 / 258 / 308  
available with:

U-forks      swivelling wedge heads

**3** **Stair guardrail post**  
for continuous safeguard around the top stair level  
2638.400

**Stair guardrail adapter**  
for stair guardrails with U-fork  
2637.000




**4**



**O-ledger with wedge head and half-coupler**  
for continuous safeguard around the top stair level  
2638.401 / 402

**5** **Internal stair guardrail**  
WS 19  
1752.007 / 009 / 012 / 011  
WS 22  
1752.008



**6** **Stairwell guardrail**  
WS 19 / 22  
1752.004 / 014



**7** **Scaffolding access ladder**  
Aluminium  
1004.010 / 014 / 017 / 020  
Steel  
1002.006 / 008 / 012 / 016



**8** **Access ladder**  
4009.007

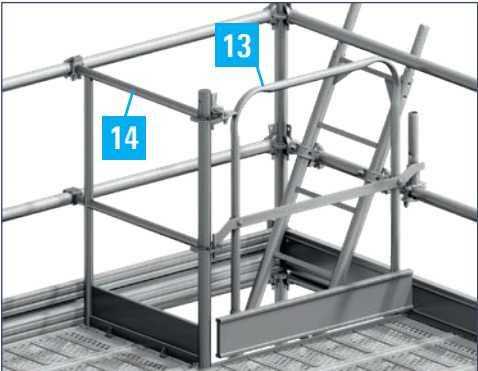


**9** **Guardrail standard, 1.70 m, offset**  
2606.170



**10** **Ladder holder for external access**  
0701.813






**11** **U-access deck, aluminium**  
0.61 m wide      3851.157 – 307




**12** **U-access deck, aluminium, 1.00 m**  
0.61 m wide      3851.100



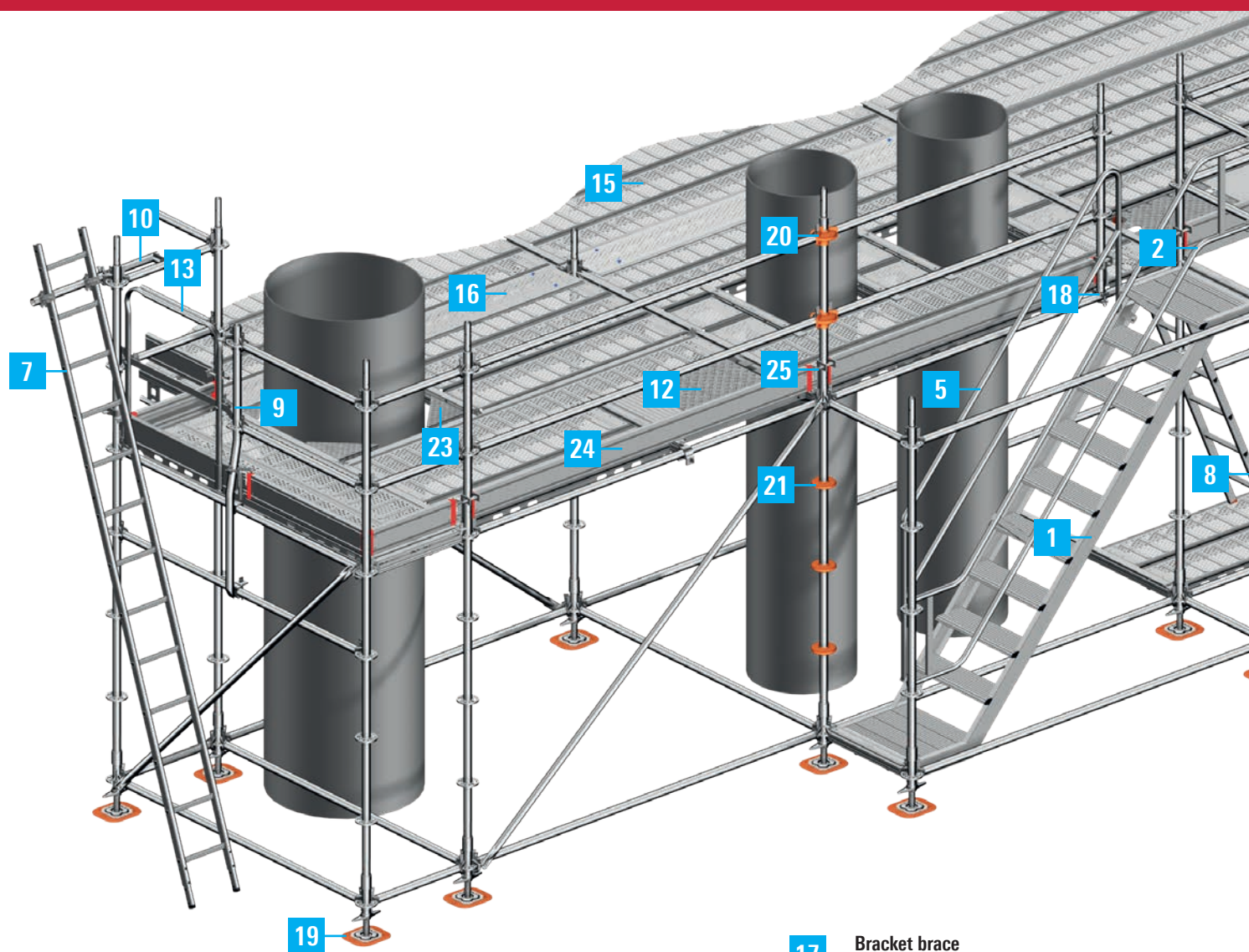
**13** **Swing door with aluminium toe board, adjustable**  
0.73 m wide      2627.011  
1.00 m wide      2627.012



**14** **Side protection for ladder access, 0.75 m wide**  
WS 19      2627.018  
WS 22      2627.016



# DETAILED SOLUTIONS FOR INDUSTRIAL SCAFFOLDING CONSTRUCTION



**17** Bracket brace  
2631.205



**15** U-steel deck LW  
0.32 m wide 3883.073–307  
0.19 m wide 3801.073–307



**16** Steel cover plate 320  
0.32 m wide 3881.000–005



**18** Spigot with half-coupler  
WS 19 4706.019  
WS 22 4706.022



**19** Protective base for base plate  
4007.005

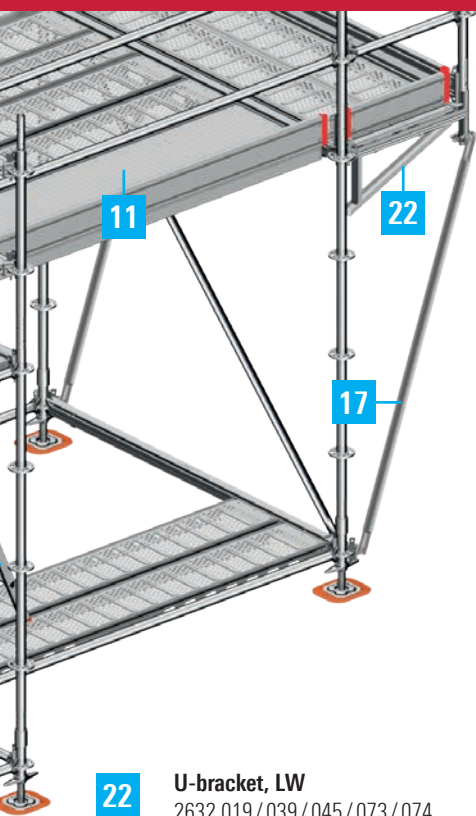


**20** Allround rosette cover with connected ledger  
4007.001



**21** Allround rosette cover without connected ledger  
4007.008





**22** U-bracket, LW  
2632.019 / 039 / 045 / 073 / 074



**23** U-corner deck, 0.30 x 0.30 m  
0727.621



**24** U-steel toe board  
2644.073–307



**25** Toe board holder  
2638.000



**Half-coupler with toe board pin**  
WS 19 / 22 4708.019 / 022



**Base plate, swivelling**  
4003.000



**Wedge head coupler LW, double**  
2629.000



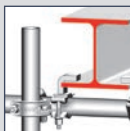
**Rosette, clampable**  
WS 19 / 22 2602.019 / 022



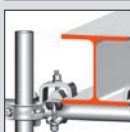
**Rosette, clampable, with thread**  
WS 19 / 22 2602.119 / 122



**Clamping coupler for I-beam**  
WS 19 / 22 4716.019 / 022



**Clamping half-coupler for I-beam**  
WS 19 / 22 4750.019 / 022



**Clamping plate, for I-beam**  
70–210 mm resp. 190–330 mm  
4015.210 / 211



**Half-coupler with plate**  
2628.001



**Spigot for U-section**  
2656.000 / 2656.001 / 2656.002



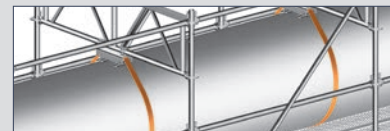
**Wedge head coupler LW, rotating**  
WS 19 / 22 2629.019 / 022



**Wedge head coupler LW, rigid**  
WS 19 / 22 2628.019 / 022



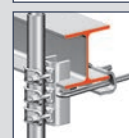
**Suspended scaffolding attachment for tension strap with tube**  
0724.241



**Suspended scaffolding coupler**  
WS 22 4713.022





**Securing hook for suspended scaffolding coupler**  
WS 24 4714.000





**Securing screw**, long (red) for steel planks and short (blue) for cover plate

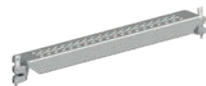
WS 19	3800.009	
WS 22	3800.010	
WS 19	3800.011	
WS 22	3800.012	

**Steel plank**

0.20 m wide	3878.100 - 250
0.30 m wide	3880.100 - 250



**U-deck 110**,  
0.11 m wide, with wedge heads  
0.73–3.07 m 2602.073–307



**Guardrail, adjustable**  
1.09–1.57 m 2606.001  
1.57–2.57 m 2606.000



**U-ledger**  
Steel deck – O-ledger  
0.32/0.64/0.96 m  
2614.001/002/004



**U-ledger**  
Steel deck – steel deck  
0.32/0.64/0.96 m  
2614.030/073/108



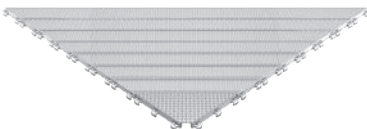
**U-interchangeable ledger**  
0.73–3.07 m 2600.073–307



**U-aluminium deck, adjustable**  
1.57–2.57 m 3803.000



**U-steel deck 45°**  
3868.101–108



**U-corner deck**  
0.36/0.73 m  
2630.037/070



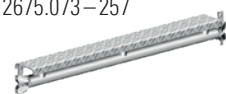
**U-corner deck, steel, adjustable, with toe board** 3819.000  
for angles of 45°–90°



**Telescoping U-system deck**  
0.73–3.07 m 3881.073–307



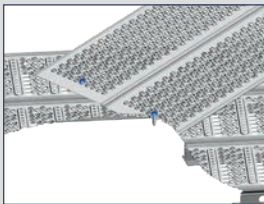
**U-ledger 110 LW**  
0.11 m wide, 0.73–2.57 m  
2675.073–257



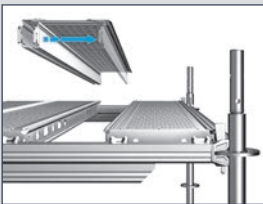
**U-ledger**  
0.73 m, 15°–44°, WS 19  
2618.000



Steel cover plate on steel deck  
with blue securing screw



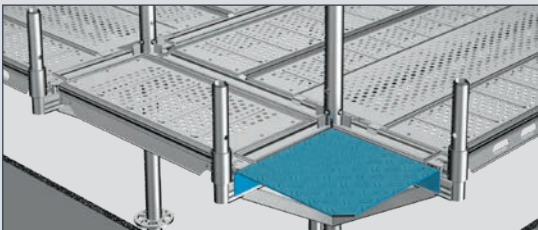
Assembly situation  
Telescoping system deck



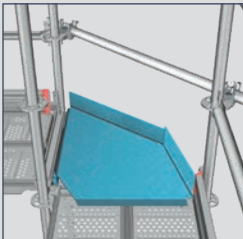
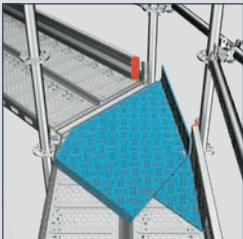
Red securing screw when steel plank is used



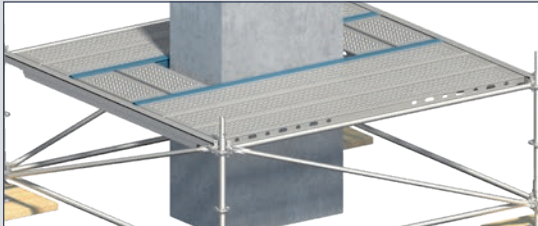
Corner construction on the inside (Ref. No. 2630.037)



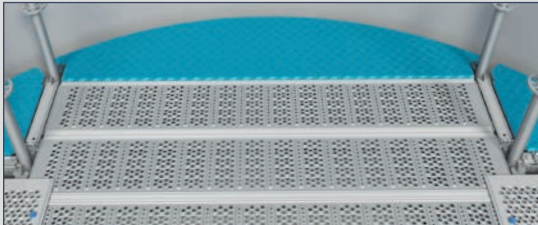
Corner construction in circular scaffolding (Ref. No. 3819.000)



U-interchangeable ledger in installed state (Ref. No. 2600.073 / 109)



Project-related special solutions integrated into the system





# PROVEN IN INDUSTRIAL APPLICATIONS



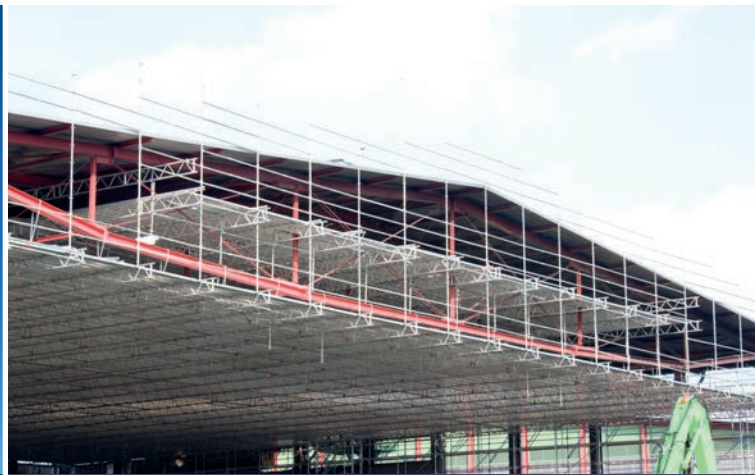
Bridging system | Dillinger Huette



From planning to implementation with SIM | Sugar silo



Suspended scaffolding | Refinery



Birdcage scaffolding and lattice beam | Landfill



Circular scaffolding | Refinery



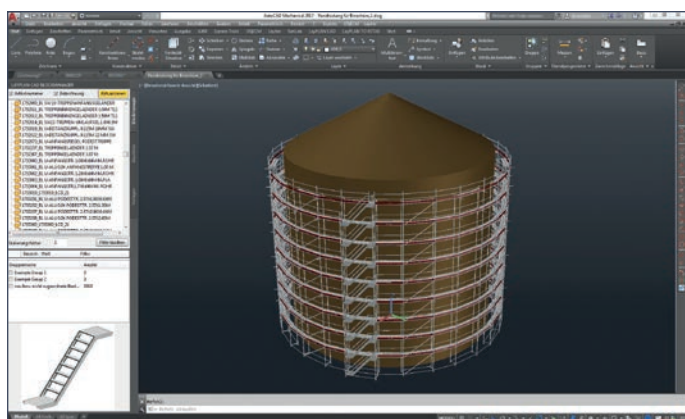
Allround LW in boiler of a paper factory



Protect-System | Oil rig

# DIGITAL SCAFFOLDING PLANNING SIM | SCAFFOLDING INFORMATION MODELING

Digitalisation optimises project planning effectively, while opening up enormous potential for transparency and cost savings.



## The future in scaffolding construction is digital – and it's name is SIM

Scaffolding Information Modeling – SIM for short – is a process based on 3D models and designed by Layher to meet the specific requirements of scaffolding construction. SIM not only allows you to plan, assemble and manage temporary scaffolding structures more efficiently, but also affords access to BIM at the same time. With the integrated Layher software solution "LayPLAN SUITE", you have a powerful tool for the SIM process: LayPLAN CLASSIC facilitates a start in digital planning by allowing automated planning of predefined scaffolding applications – and if required even with temporary roof structures. For complex scaffolding structures as part of large-scale engineering scaffolding, there is LayPLAN CAD.

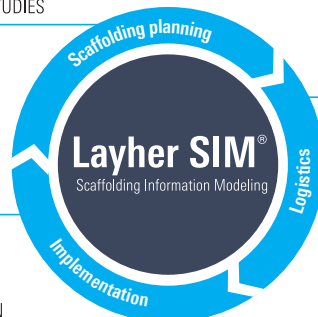
## Planning and scheduling certainty at sites

Dependable 3D planning of scaffolding structures without collisions is just one of many benefits. Added to that are the realistic visualisation of scaffolding, allowing work to be coordinated with other trades or construction sequence simulation, transfer of the scaffolding planning to structural analysis programs, and output of material lists and assembly plans. Transparency at every work step results in a reduction in costs and an increase in safety and profitability. When they work with Layher's scaffolding construction customers, both building contractors and end customers in industry benefit, with SIM, from a high degree of planning certainty, cost control and above all completion of projects on schedule

thanks to efficient and undisrupted construction processes. Delays and added costs due to inadequate planning are a thing of the past.

## Process content of SIM

- ▶ COSTING
- ▶ SCHEDULING
- ▶ CONSTRUCTION PROCESS SIMULATION
- ▶ FEASIBILITY STUDIES



- ▶ ASSEMBLY
- ▶ APPROVAL
- ▶ USE
- ▶ MODIFICATION
- ▶ DISMANTLING

## THE BENEFITS FOR YOU:

- ▶ Transparency in all work steps and cost control.
- ▶ Increase in safety and in profitability for every project.
- ▶ Planning and scheduling certainty at every site.
- ▶ Your access to BIM.

## The modules of LayPLAN SUITE



Further information on SIM can be found in the brochure: **System Solutions for Digitalisation and Software**



Further information about SIM in industry can be found on film at: <http://yt-sim-ind-en.layher.com>



# Layher®



More Possibilities. The Scaffolding System.

**Wilhelm Layher GmbH & Co KG**  
Scaffolding Grandstands Ladders

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[www.layher.com](http://www.layher.com)