

JULY 2019

# UPDATE LAYHER

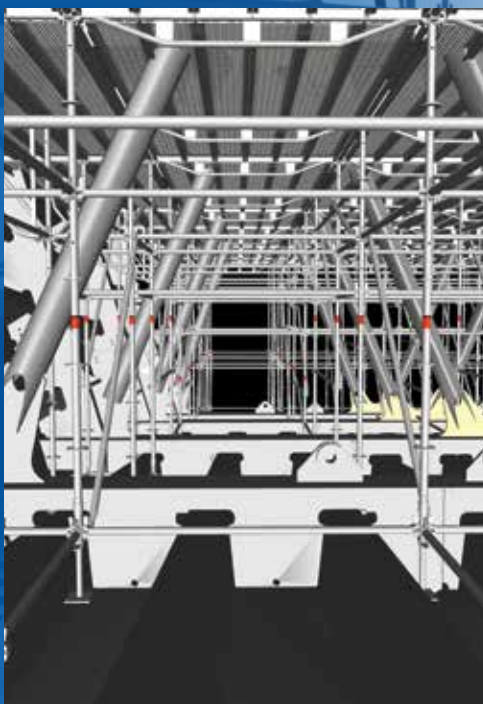
## DIGITAL DESIGN AGE OPENS NEW DOORS

**Innovation has been at the heart of our – and our customers' – success over many years, and now extends to Layher's design capability.**

The new Layher Scaffold Information Modelling (SIM®) design tool helps to create optimised structures with reduced risk and enhanced cost savings.

*"SIM® builds on our LayPLAN and LayPLAN CAD facilities enabling the creation of 3D visualisations either on screen or via a VR headset that takes the user into the digital world," says Layher's UK MD, Sean Pike. "Once there, scaffolding can be rotated, clash detection function enabled and mixed reality applications produced. The scaffold can also be 'flown-through', and then readily adapted, before producing key information outputs such as material needs, weights and logistical details."*

SIM®, which interfaces directly with Building Information Management (BIM) methodology, is detailed further inside.

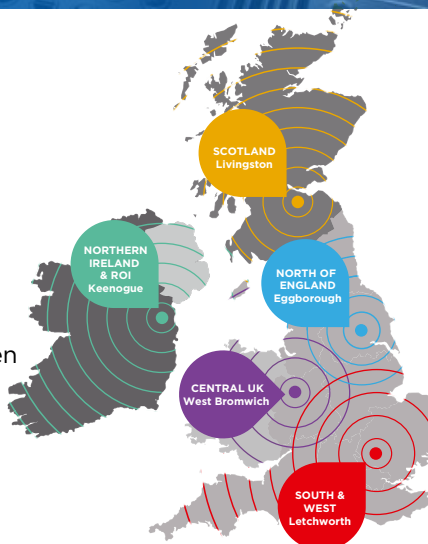


## THE UK NETWORK GROWS AGAIN

**Not only do we continue to grow our range of on-site solutions, but also our service in the UK.**

A brand new depot is a clear demonstration of our commitment in practice, making it even easier for our customers to benefit from the full Layher range and support expertise.

Full details are on the last page.



## IN THIS ISSUE

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- **In the field – practical solutions at work – pages 8 to 11**
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**Layher®** 

More Possibilities. The Scaffolding System.



# THE GOOD IDEAS KEEP COMING...

Commitment to innovation creates new opportunities

At Layher, we have always believed that our ongoing product development programme should focus on key factors – safety, versatility, simplicity and greater efficiency. It is why customer feedback so often underpins every development we make.

The innovations detailed here are the latest in a continuous line – each helps scaffolding contractors, and main contractors, gain from access and protection that optimises project performance every time.



## SUSPENDED AND CANTILEVERED STRUCTURES TAKE A NEW LEAP FORWARD

**The new aluminium FlexBeam is designed for use with surface scaffolds – both suspended and upright.**

With a U-shaped section that allows the direct suspension of system decks at its heart, the FlexBeam can be connected directly to Layher's Allround scaffold system, enabling broader use of a contractor's stock.

One of the key applications that the new design helps to simplify is the installation on curved structures such as bridges, while the product is readily

applicable to a host of suspended designs, together with cantilevered and street gantry applications.

*"With the full benefit of our design and operational support, this latest addition to the range will underscore both the creativity and capability of our contracting customers,"* says Layher's UK Technical Manager, Nick Geddes.



### FlexBeam Features:

- 40% higher bending load capacity without the need for compression chord bracing.
- Lower construction heights enhance the range of locations that can benefit.
- Wide choice of additional fittings extends suitability further still.
- Choice of FlexBeam lengths – from four to seven metres.
- Choice of fixing points positioned at 100 mm centres.



# ...WITH EVER MORE POSSIBILITIES

## DECK STRENGTH WITH LESS WEIGHT



Greater transport and assembly efficiencies and easy connection to other Layher systems, the new **Lightweight Steel Deck** brings key on-site gains – with a further 10% saving in weight.



Higher tensile steel grades, thinner materials and transverse reinforcements – yet still capable of meeting load class 6 requirements – add up to gains in terms of handling, safety and versatility. A choice of lengths and features such as bridging across the rosette on the Allround standards, increased rigidity, enhanced non-slip capabilities and lightweight steel deck innovation 'have made a good product even better.'

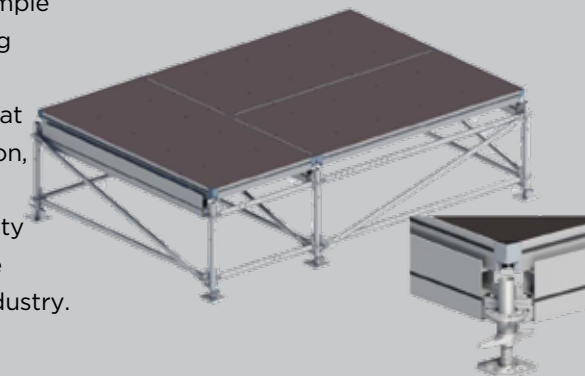


## NEW EVENT DECK TAKES CENTRE STAGE

**Improved transportation and storage, greater versatility and enhanced appearance – the new Layher Event Deck T16 has much to offer.**

The design opens up new installation opportunities as it enables a range of geometrical shapes to be created with no extra effort. An improved aluminium profile means a suspended installation is now possible in both a longitudinal and transverse direction.

With reduced sag, simple interface with existing Layher event decks and a dark surface that reduces light reflection, the development enhances the creativity that is so often at the heart of the event industry.



## WIDEN OPPORTUNITIES WITH EXPANSION PARTS

**Expanding scaffold structures to match building or structural profiles are now further simplified by Layher.**

*"Our range of Expansion Parts makes both design and installation easier and can even offer customers a critical competitive edge,"* says Layher's UK MD, Sean Pike.

Examples include the Allround Corner Deck with an integral toe-board, providing a safer, more streamlined solution for circular scaffolds and external stairtowers.



## LAYHER TECHNICAL MATTERS

A new updated version of the Layher Technical Guide is now available.

With more entries and data updates, the guide now includes new product details including the Allround FW system, the aluminium FlexBeam and the Lightweight Steel Deck.

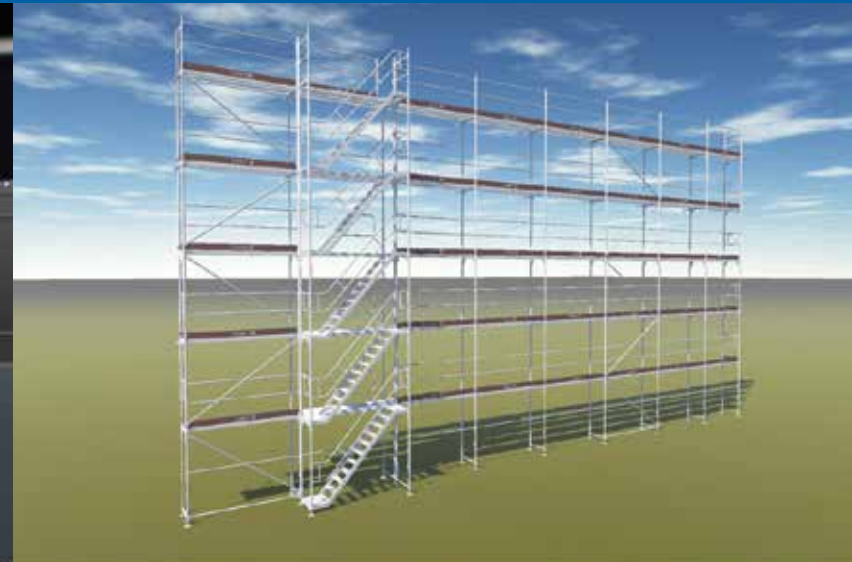
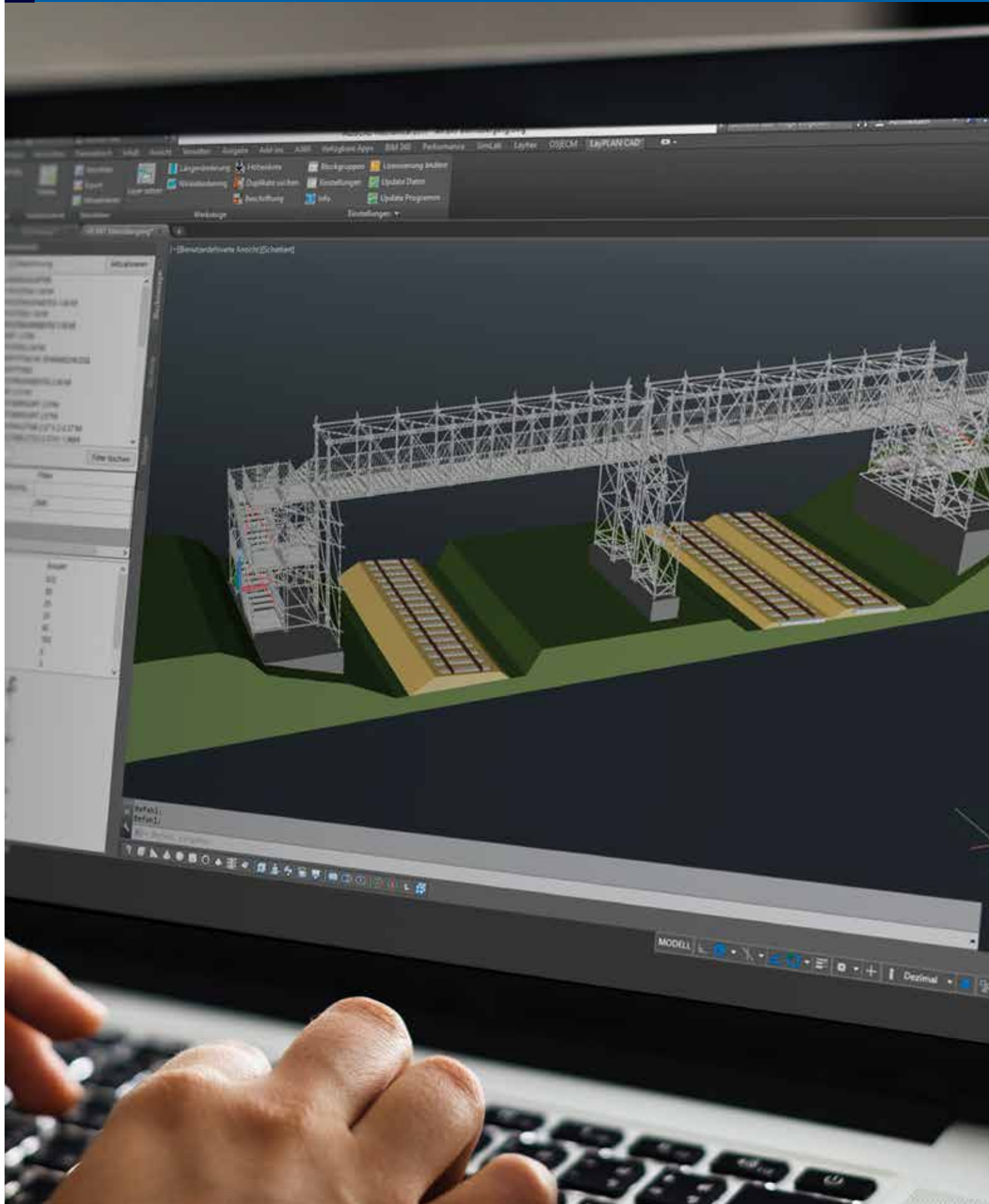


And also now available, the Aluminium Platform Stair User Guide, featuring instructions on the assembly and use of the Layher 4 Standard Stair Tower.





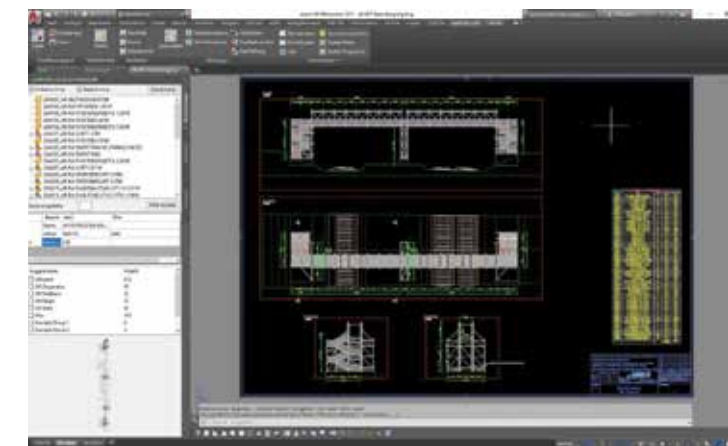
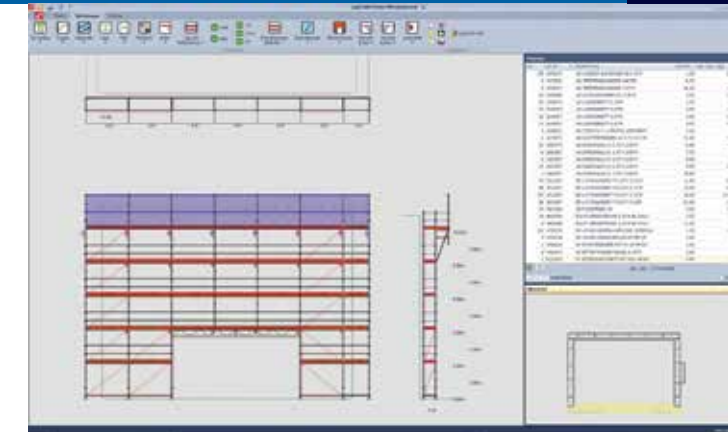
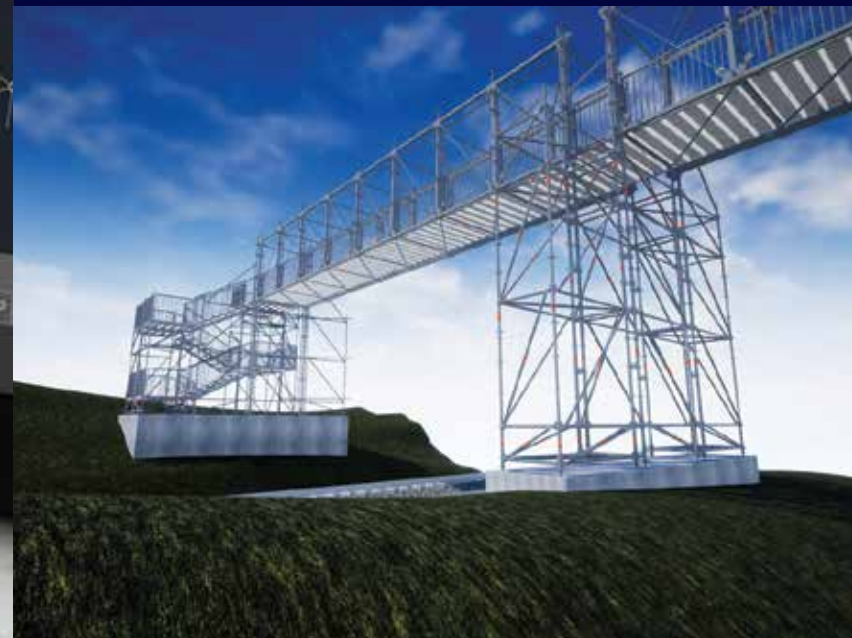
# A NEW DIMENSION OPENS UP



From 'fly-throughs' and rotational viewing to analysis of key material information, the Layher Scaffold Information Modelling (SIM®) tool adds a new design dimension.

*"Apart from its planning and operational benefits, SIM® offers enhanced presentation opportunities, communication with mobile devices via cloud-based mixed reality and even VR modelling," says Layher's UK MD, Sean Pike.*

*"With a capability of adding realistic rendering, and enhancement via extensive libraries, a search and filter function, and a facility to hold pre-fabricated assemblies and template drawings on file, SIM® is suitable for use with all types of scaffolding applications – from façades and circular installations to birdcages, free standing structures and temporary roofs."*





# ... NORTH, SOUTH, EAST & WEST



## MANCHESTER NEW-BUILD MAKING THE MOST OF LAYHER ALLROUND SCAFFOLDING

Rose System Scaffolding has made extensive use of Layher equipment – for main contractor Domis Construction – at Burlington Square in Manchester where 273, 1-2 bedroom residential apartments are being constructed. Eight façade scaffolds have been erected around the external perimeter and the inner courtyard.

*“The layout features a series of stepped roof areas matched by the scaffold design,”* says James Brierley, Director of Rose System Scaffolding, *“and it was important to allow for the free movement of men and materials. The use of Layher Allround equipment has met this requirement.”*

*“This is a major new-build facility which has required an innovative layout design, well proven equipment and excellent erection skills from Rose System Scaffolding,”* says Layher’s Area Sales Manager, Matt Sherwin. *“We are very happy to have worked with a customer who has always acknowledged the opportunities presented through a 100% commitment to our products.”*



## PROVIDING **CLEAR SIGHT** AT ABERGAVENNY STATION

A major Layher temporary pedestrian footbridge at Abergavenny Station in Wales – installed by Cardiff-based contractor Atlantic Scaffold for main contractor, Centregreat Rail on behalf of Network Rail – addresses specific site needs as it provides passenger access between platforms. Atlantic Scaffold Operations Director, James Davies explains –

*“The bridge replaces the existing Grade II-listed structure as it undergoes extensive repairs,”* he says, *“and has been installed to a greater height than normal to enable drivers to maintain a clear view of the signalling system, given the local contours.”*

A 16 metre span connects the two Layher stair systems, each of which features non-slip GRP surfaces, with temporary lighting and Layher’s Protect screening panels also used.

*“We kept possession times to a minimum with just one overnight possession,”* adds James Davies, who also highlights the light weight, ease of handling and minimum components as key benefits of the Layher system.



An innovative use of the Layher Protect system has featured at one of the UK’s major sporting venues. A series of installations were built by Focus Media Scaffolding, for the Jockey Club, at Epsom Race Course – home of the world famous Derby.

## LAYHER PROTECT RACES TO THE FRONT

*“Our structures included an extension to the Queen’s Stand together with facilities in the parade ring,”* says Gary McMahon, Director at Focus, *“with panels fixed to Layher Allround scaffolding in each case before being finished and decorated to match the application needs.”*

One of the most notable examples, he believes, saw the company install an entrance archway which used Protect panels of varying size to support appropriate designs across one of the access roads onto the site.







# DERBYSHIRE PUB KEEPS DRY

**By using Layher Allround scaffolding – the complete integrated system solution including not only the original rosette system but also Layher Keder XL temporary roofing, bridging beams, stair systems and protect panels – the refurbishment of The Coopers Arms restaurant and wedding venue in Weston-on-Trent, near Derby, makes the most of Layher equipment.**

*“The Grade II listed building – some of which dates back to the 17th century – is undergoing extensive roof repairs being carried out by Alan Staley Building Contractors Ltd.,” says Matt Sherwin, Layher’s Area Sales Manager. “Ashby Scaffolding Ltd. has installed a structure some 16 metres in height with buttresses and kentledge used in key areas. It was not possible for large sections to be*

*erected from the ground up and these were therefore built off a network of intricately designed Layher beam support work. Additionally, the structure supports the 29 metre long roofing system which has a 22 metre span over the entire building.”*

Although fixed in place, the innovative design has seen the roof located on runners that would normally feature with a rolling installation. *“This has simplified the accurate alignment of the roof structure on a building of this age,”* adds Matt Sherwin.





# LAYHER COMES TO THE HEART OF THE COUNTRY

Our new depot in West Bromwich brings Layher's equipment and expertise to the centre of England for the first time. The new storage and demonstration facility means that links with customers in the region are now faster and more efficient than ever – and able to accommodate short demand requirements.

Operations Manager, Steve Pickard brings extensive experience to the region, and Area Sales Manager, Andy Gee adds - "We are investing to bring our services closer to our customers by building on the success of Letchworth in the south, Eggborough in the north of England, Livingston in Scotland and throughout Ireland."



## CLEAR COMMITMENT TO THE UK

**"The opening of the latest Layher depot – in West Bromwich – underscores our ongoing commitment to the UK," says Layher's UK MD, Sean Pike.**

"Our customers will continue to gain from not only our growing network but also our continuous worldwide commitment. The recent opening of an additional manufacturing facility and a third galvanising shop in Germany are major developments that mean greater international support – and, not least, that means the UK," adds Sean Pike.

"The UK is a key market for us and the growth that we have been able to achieve, particularly in the last decade, reflects on both the suitability and design innovation of our products as well as the accelerating move away from traditional tube and fitting scaffolding. Our belief in continuing success and growth in the UK remains as strong as ever," says Georg Layher, one of Layher's Principal Shareholders.

## WHO'S WHO AT A LAYHER DEPOT NEAR YOU . . .



**WEST BROMWICH**  
**Steve Pickard**  
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**Heath Brown**  
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**LIVINGSTON**  
**Mark Bisset**  
Area Sales Manager  
01506 440220



**ROI AND N.IRELAND**  
**John Carolan**  
Country Manager  
041 982 3661



**AND A NEW FACE IN OUR EGGBOROUGH TECHNICAL OFFICE**  
**Jon Armitage**  
01977 661 605



**LETCHWORTH**  
**Joe Thompson**  
Training and Technical Sales Advisor  
01462 475 100



**The past, present and future of system scaffolding**

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**Layher®** 

More Possibilities. The Scaffolding System.

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