

DECEMBER 2023

UPDATE LAYHER

Layher UK is
delighted to
sponsor the
NASC Project of
the Year Award
(small) 2023



THE SKY'S THE LIMIT!

It's no secret that the versatile Layher system brings advantages all round. Not only through formatting systemised solutions to meet multiple construction and planning requirements, but also enabling customers to confidently follow new business opportunities. By harnessing the full benefits of the UK's – indeed, the world's – most comprehensive scaffolding system, even more possibilities can emerge.

These twin advantages are embodied in our NASC award-winning TwixBeam – the Layher innovation that is transforming scaffolding design possibilities, and is already proving itself in the field.

But more than this, while our equipment, technical design, training, expertise and backup may be our focus, our strategic partnership of Service, Support, Solutions and Supply with you is key. It's by maintaining pro-active collaborations with our customers that we can continually develop our range and strengthen the support services upon which our mutual success is based, bringing even more possibilities to the fore.

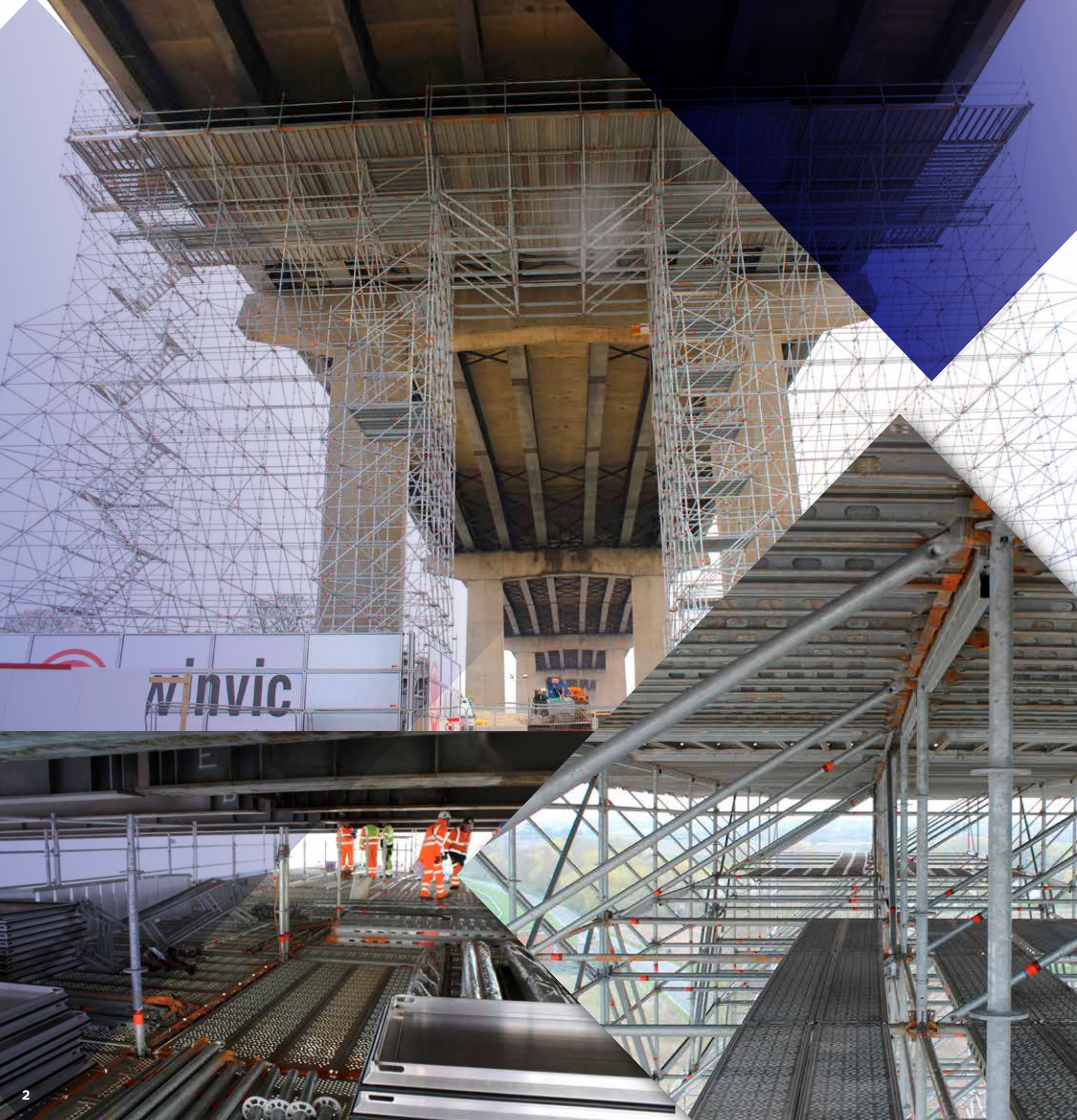
"The Layher culture of innovation, strategic partnership and unmatched support remains as healthy and as strong as ever," says Layher's UK Managing Director, Sean Pike, "and we look forward to achieving even greater successes with you in the years ahead."

IN THIS ISSUE

- After her illustrious past, HMS Victory's immediate future is well covered
- Strategic partnerships and collaborations are the way forwards, and upwards
- As equipment demands surge, Layher's new Plant 3 is galvanised into action

Layher® 

More Possibilities. The Scaffolding System.



OUSE BRIDGING SOLUTION BANKS ON LAYHER

An emergency access operation on the M62 Ouse Bridge in Yorkshire's East Riding required an immense collaborative effort between Layher Ltd and M.R.Scaffolding (Anglia) Ltd, together with the client, National Highways and the main contractor, Winvic Construction.

The innovative design was devised by Paul Hurst in Layher's technical department and was twelve months in the making. After significant groundwork challenges had been addressed, two colossal Layher Allround cantilever birdcage scaffolds were erected beneath the east- and west-bound joints of the bridge. Two scaffolding teams erected the structures simultaneously, in a mere 10 days.

"The design brief was clear cut," said Alan Regan, M.R. Scaffolding's Managing Director. "Our mission was to create two freestanding structures 22 metres high, that didn't physically tie into the bridge."

"We decided to employ the Layher Allround Lightweight Scaffolding System for numerous reasons," explained Regan. "One of its notable advantages is its efficiency; it requires significantly fewer components and less manpower compared to the traditional tube and fitting scaffolding approach, thereby boosting our construction speed considerably."

The complete freestanding scaffolds were a testament to the team's collaboration, comprising 125 tonnes of Layher Allround Lightweight, a staggering 160 tonnes of kentledge, with more than 350 Layher Protect panels plus security doors installed to enhance the safety and security of the project.



A SCAFFOLDING VICTORY FOR OUR MARITIME PAST

A specialised 21st century scaffolding access and protection solution was required during the latest stage of the conservation of 18th century HMS Victory at Portsmouth Historic Dockyard:

- Fully enclosed scaffolding installation, designed by PHD Modular Access Services Ltd (Heritage Division) – supported by Layher’s UK technical department – working for The National Museum of the Royal Navy.
- Weathertight enclosure enables vital conservation work and public viewing access to continue. Safe and reliable platforms with clear Protect panels are essential parts of the structure.
- The installation was craned into position over the 62 metres high vessel.
- Public platforms and temporary building are designed to be moved along the 227 feet length of the ship as work progresses.
- The live exhibit has to remain open to the public at all times – an important consideration during the scaffold design stage.



LAYHER'S PARTNERSHIP A TOWERING SUCCESS

A collaboration between Layher UK and Seán Doyle Scaffolding Limited (SDS) – working for main contractor EQUANS and its client Guinness Partnership Ltd – has provided multi-levelled access for a project to refurbish Havant Towers in Hampshire.

Following site surveys, Layher Ltd engineers provided detailed scaffolding designs for SDS scaffolders to enclose the perimeter of Chichester House residential tower block. “Although our scaffolders are Layher trained ... Layher was

on hand every step of the way,” Shawn Richardson, SDS Operations Manager, said. Layher’s range of bay sizes enabled the many balconies on each elevation to be accommodated, and more than 120 linear metres of safe, unimpeded modular access was created using a combination of Allround console brackets and gap decks. Additionally, Layher and SDS moved to mitigate risk to workers, residents and the public with strategically positioned protection fans.

Seán Doyle, Managing Director/ Owner of the Seán Doyle Group said, “I am delighted to partner with Layher in the UK”. Sean Pike, Layher’s UK MD, added “After many years of successful collaboration with Laois Scaffolding and Seán Doyle in Ireland, we are excited about this new cooperation with SDS in the UK and look forward to making many more possibilities together.”

CAPITAL ACCESS SOLUTION FOR LONDON REFURBISHMENT PROJECT

The Layher Allround System was utilised by Mercer Scaffolding, partnered with principal contractor Amber Construction, to provide workers with safe access during refurbishment work at a residential block in London’s Isle of Dogs. The 1960s Galleon House – a live building with extensive public interfaces – was to be entirely enclosed.

One of the notable challenges was to maintain clear lifts while only tying the scaffolding structure every 5.5 metres vertically. Adam Reeve, Commercial Director at Mercer Scaffolding, said that by utilising the Layher system “clear lifts were ensured throughout the scaffolding structure, ensuring unhindered access for all workers on site.”

Mercer Scaffolding employed Layher’s HD beams – which integrate directly into the same axis as the Allround System – to create large bridged areas over an access ramp and the estate’s office.

In areas where traditional tie positions were not available, Mercer Scaffolding used twin cross bracing. This innovative solution ensured the structural integrity and stability of the scaffolding.

“Benefiting from the strategic partnership between the contractors, and the safety, versatility and innovation provided by Layher’s Allround System, we are delighted that the project achieved such remarkable success,” added Sean Pike, Layher’s UK MD.





LAYHER RISES TO THE CHALLENGE OF OFFICE PROJECT

Using the Layher Allround System, Skill Scaffolding has successfully completed an eleven-storey high-rise project, commissioned by Arena Business Centres, at Grosvenor House in Basingstoke.

The scaffolding project presented significant challenges, key amongst which was to manage the scaffold leg loads imposed on a floating concrete slab that had lower loading capabilities. In collaboration with Layher, Skill Scaffolding devised a propping solution to support the slab from beneath, enabling forklifts to move freely and material storage above ground.

Layher Allround was used for its integral safety and speed of erection to enable clear walkways

on all boarded lifts, with no ledger bracing. The use of Layher’s gap decks also helped avoid gaps between the inside and main decks.


Clive Rowe, Layher’s Area Sales Manager, said, “The challenges faced during the project demonstrate Skill Scaffolding’s and Layher’s ability to think creatively and devise practical and effective solutions that meet the client’s needs while maintaining safety and stability.”

James Wall, Business Development Manager at Skill Scaffolding, concluded, “The successful use of the Layher Allround System also underscores the importance of investing in quality equipment that can save time, improve safety, and increase efficiency on construction sites.”

SCANNED & DELIVERED

Further details on the wide range of Layher’s core products and services are now even easier to reach. Simply scan QR codes in the panels below.

And don’t forget – the Layher Picklist load-calculation and scaffold ordering facility is also available on our website. Contact Layher for your personal PickList passcode for access.

TWIXBEAM	<ul style="list-style-type: none">• Low weight, high strength, multi-functional• 10 standard lengths, extendable with connectors• Integrates with FlexBeam and full Layher system• Use in suspension, cantilevered and shoring ops		
FLEXBEAM	<ul style="list-style-type: none">• Design flexibility for suspended, cantilevered and curved structures• High bending load capacity• Range of 4 m to 7 m lengths		
KEDER ROOF XL	<ul style="list-style-type: none">• Spans up to 40 metres• Lightweight, easy installation, minimal bracing• Versatile, for arched or domed installations• Innovative integrated sheeting track		
AGS FAÇADE SYSTEM	<ul style="list-style-type: none">• Efficient, versatile, fast, safe• Guardrail lengths 1.57 m to 3.07 m• Identical loading capacity to Allround System• Integrates with Layher system or stand alone		
VR-SIM SUITE	<ul style="list-style-type: none">• Advanced 3D modelling, planning, budgeting and sales presentation support• LayPlan, LayCAD and SIM interfaces enable high quality material, cost and logistical solutions		
BRIDGING	<ul style="list-style-type: none">• Wide bay designs for spans up to 30 metres• Strong, safe, fast to install• Integrates with Layher system deck, roof, protection and access stair systems		
TRAINING	<ul style="list-style-type: none">• 1-10 day courses from Trainee to Advanced levels• Theory and practical, and including Digital Engineering and Built Environment prep for BIM/SIM• Conducted at a choice of locations		
PUBLIC ACCESS STAIR	<ul style="list-style-type: none">• Enhanced load-bearing capacity• Lower weight, high strength construction• Fully compatible system versatility ensures design and safety requirements can be met		
SITE ACCESS STAIR	<ul style="list-style-type: none">• Loading capability 2.5 kN/m²• Capacities from 2-28 persons per lift• Lift heights: 1.0 m, 1.5 m, 2.0 m• Stair widths: 64 cm, 94 cm		



KEDER ROOF XL PROVIDES PROTECTION IN PEEBLES

Refurbishment of severely fire-damaged swimming pool roofing called for a scaffolding access and weather protection system capable of spanning 28.7m and satisfying several additional construction considerations.

John Laidlaw & Son Ltd – working near Peebles for the Scottish Borders Council – used Layher’s Allround Scaffolding, including the purpose-designed Keder XL lightweight roof system.

Not only was asbestos roofing material to be removed, but potentially challenging winter conditions called for a temporary enclosure design for full wind and snow loadings.

Site access was limited, so a conventional scaffolding approach – potentially involving extensive equipment to reach 4m above parapet level and including installation of a tie-bar – was simply avoided by use of Layher equipment owing to its lightweight construction and markedly fewer components. The entire structure was completed using Layher’s standard parts only.

Andrew Dawson, Layher’s Senior Engineer in Scotland, comments that *“Layher’s Keder Roof XL proved the perfect solution and we are delighted that both our own and our customer’s technical teams enabled work at Peebles to continue uninterrupted.”*

It’s a point echoed by Alan Armstrong, Scaffold Manager at John Laidlaw & Son Ltd, who adds that *“the support from Layher, from concept design right through to build and subsequent on-site support, has been second to none.”*



TWIXBEAM GOES FROM STRENGTH TO STRENGTH

In Cumbria: KAEFER UK utilised Layher's award-winning TwixBeam on site at Sellafield, near Seascale.

TwixBeams were integrated into the Allround scaffold in three lines at 6 m lengths on the east elevation stairs to the Decanner Roof.

The purpose of the beams was to span a set area in which it was not possible for legs to be extended to the ground. The Allround scaffold was secured to the TwixBeam assembly and punched off the top chord.

The structure has been calculated to stand for 15 to 20 years – providing significant cost savings against a permanent staircase – and additionally provides site access support for a Layher Stair 750.



Examples of TwixBeam in use around the UK



In West Lothian: A fast, adaptable and reliable scaffolding solution was required in support of essential repairs to be carried out on a major motorway route in Scotland.

Layher's innovative and NASC award-winning TwixBeam played a key role during concrete repairs and handrail replacement work on the busy M8 South slip road near Livingston.

I-Scaff Access Solutions Ltd employed standard Layher Allround equipment to anchor the structure to the ground. TwixBeams were then slid out and bolted into position around centrally located Layher Allround standards – a key design feature of the product which enables all standards to remain in alignment, as in this case. The completed structure was then ready to receive the full cantilever drop scaffold assembly.

I-Scaff's Managing Director, Ross Brown, offers a ringing endorsement of TwixBeam's adaptability and ease of use, commenting that *"it's a really simple system; nice and user-friendly. The guys love it!"*

Eamonn Ryan, Layher's Area Sales Manager in Scotland, adds that *"TwixBeam is again proving its worth in enabling solutions which previously may have required more equipment, time and personnel to complete – a clear example of the beam's significant potential."*



LAYHER'S NEW PLANT 3 COMES TO LIFE

Ahead of production starting officially in late 2023, the inaugural hot-dip galvanising immersion – a process in which Layher has nearly 60 years' experience – has been made in the company's new facility in Germany.

The ultra-modern and eco-friendly facility will enable Layher to increase annual galvanisation capacity from 170,000 to 290,000 metric tons in response to surging demand.


Layher's Production Director, Stefan Stöcklein, explained that, *"By immersing our products in zinc, we ensure they benefit from superior corrosion protection. This not only enhances the quality and longevity of our systems but also amplifies safety on construction sites. Several of our clients,"* he continued, *"have successfully utilised their material stocks for over three decades. Post-use, these components can seamlessly re-enter the recycling stream."*

The new plant has state-of-the-art technology, including a computer-regulated zinc coating furnace and an automatic crane system, ensuring seamless operations, and also reflects the company's dedication to sustainability, with waste heat recovery measures, maximised insulation, and an auxiliary heater powered by photovoltaics to curb fossil fuel reliance.

Before its commissioning, the plant underwent rigorous environmental impact assessments. Advanced measures – such as comprehensive filtration systems and facility encapsulation – ensure emissions remain substantially below the stipulated limits. To counterbalance any environmental impacts, initiatives include the relocation of wildlife; development of green spaces; roof afforestation, and a noteworthy project involving restoration of the River Zaber, with the creation of diverse habitats to foster aquatic, amphibious, and terrestrial life.



MEET THE NEWEST MEMBERS OF OUR TEAM




Jamie Alderson – Area Sales Manager, North East. Based in Eggborough
A Class-2 scaffolder with 15 years' experience, Jamie also holds a blue belt in Brazilian Jujitsu, black belt in Taekwondo, and is a referee.



Kinga Komorowska – Internal Sales Assistant
Kinga loves interacting with customers as part of our busy sales department. A fluent Polish speaker, she enjoys weekends socialising with friends.



Laura McDonnell, Internal Sales Advisor, Letchworth – Rentals Controller
Laura's years of experience managing teams and customers in sales and distribution has made an impact. At home she'll walk miles with her energetic Labrador.



Michael Fisher – Yard Operative, Eggborough
Michael is a born and bred Yorkshire lad. He has recently completed the Three Peaks Challenge to raise money for men's mental health awareness charities.



Phil Gordeyko – Design Engineer, Letchworth
A 2012 Moscow University graduate, Phil moved from Layher Russia to Layher UK in March 2023 as a key addition to our technical team.



Terry Whiteside – Yard Operative, Livingston
Terry brings many years' managerial experience in logistics with him as part of the Layher team, and loves the outdoors.



Gary Checketts – SME Area Sales, based in Birmingham
Having previously worked for other manufacturers and in contract scaffolding, Gary extends his many years of practical skill and high-level customer service experience to the Layher team.



Mark Freeman – SME Area Sales, based in London
Layher now benefits from Mark's 'can-do' attitude and wide knowledge of customer-led solutions built from working previously with one of the UK's largest hire and sales organisations.



David Lesiw – Technical Department, based in Letchworth
David's wealth of experience and his proven track record in engineering – as well as his vast product knowledge and thirst for innovation – are huge advantages for us at Layher.



Moses Nseabasi – Graduate Engineer, Livingston
A 1st class (Hons) post graduate from Edinburgh Napier University, Moses joins our Livingston depot in Scotland where he will be mentored by the wider technical team.



Perry Todd – After Sales Specialist Support
Perry takes up this role after amassing more than 40 years' experience in South Africa where he ran his own contract scaffold company and a premier scaffold training centre.

KEY APPOINTMENT ANNOUNCED

Anita Singh, M.Eng

Our congratulations go to Anita Singh on her appointment as Layher's UK Technical Director, following the recent retirement of Nick Geddes. She was welcomed by Sean Pike, MD, and Operations Director, Katherine Fox.

After 11 years with Layher, Anita's career progression demonstrates a determination which serves as an inspiration to both women in the industry and aspiring engineers looking to make their mark in the world of construction and scaffolding.

The role of Technical Director carries significant responsibility – not least in leading our 10-strong team of skilled engineers in the technical design department – and it is a position reflected in this being a key part of the UK leadership team.

It is a new role, and Anita's proven ability to communicate clearly and directly with customers and fellow engineers will also enable her to influence Layher's next steps in the UK market, including our on-going development of product design and innovation.

LAYHER LAUNCHES RENTAL HUB



Customers are able to benefit from the launch of our new Rental Hub facility based at our West Bromwich Depot – and are invited to 'Rent-to-Try'.

The Depot's central location within Layher's UK network means that accessing the full Layher rental product range and support expertise now will be even easier.

Contact Dan Osborne, West Bromwich Depot Controller, to discuss your requirements or for further details:

- Tel: **0121 274 0558**
- Email: **laura.mcdonnell@layher.co.uk**

A WARM WELCOME!

Georg Layher, Principal Managing Shareholder of Layher GmbH, was welcomed recently by Sean Pike, Layher UK MD, as they toured a major UK infrastructure site.

The visit underlined the commitment Layher has to building close, strategic working relationships between ourselves and our customers.



AND FINALLY

Our thanks and very best wishes follow Natalie Robertson, Accounts Assistant based at Letchworth, as she departs on maternity leave.



Richard Gallop, Depot Manager, Letchworth, pops the question at the end of the London Landmarks Half Marathon 2023 - thankfully she said yes!!

Layher really is the icing on the cake!



The past, present and future of system scaffolding



Layher UK

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Layher®



More Possibilities. The Scaffolding System.

