

OPEN DAY SPECIAL

Layher® UPDATE

SEPTEMBER 2015

SO MANY MORE POSSIBILITIES

A commitment to innovation has underlined the Layher success story for more than 70 years. And that means not just greater system versatility but continuously growing opportunities for contractors to make the most of their investment by meeting precise installation requirements.

"The vast number of parts that we have developed address all types of on-site needs – from façades, birdcages and bridging systems to temporary roofing and protection equipment," says Sean Pike, Layher's UK MD.

"We can even accommodate the special requirement of curved and round structures."

The principles of light weight, ease of handling and optimised storage are features with all Layher designs while in-built safety is fundamental to all systems.

"Our ability to control all these factors 'in-house' is enhanced by our commitment to organic development," continues Sean Pike. "This belief in growth from within – rather than acquisition – means that our customers gain from 'The Layher Way' whichever part of the organisation they deal with."

The planned opening of a new depot in the Midlands (see back page) is just the latest example of the ongoing pattern of growth and success at Layher.



Layher scores at Twickenham!

Major refurbishment makes the most of Layher temporary roofing system - see page 4

ALSO IN
THIS ISSUE

Taking a look
at Layher in
the field

New equipment and
a new depot signal
ongoing growth.

- ✓ HIRE & SALES
- ✓ EQUIPMENT
- ✓ DESIGN
- ✓ SUPPORT
- ✓ EXPERIENCE
- ✓ VERSATILITY
- ✓ EXPERTISE

The benefits of working with Layher and of using our extensive range of access scaffold and weather protection systems are clear-cut.

We believe that, compared to alternative methods and suppliers, our combination of design, safety, versatility and customer support broadens the opportunities that scaffolding



REACHING OUT... OR NOT

- **Wide choice** of bay widths available
- **Simple split-bay** installations
- **Optimised** component usage
- Every installation gains from **design versatility**



INNOVATION - THERE'S A THOUGHT

- At Layher, we are not only innovators - **we are genuine pioneers**
- Long history of **forward-thinking design**
- **Consistently enhancing** installation possibilities
- **Commitment to user responses** and feedback



A PART FOR ALL REASONS

- **Wide choice** meets **exact needs**
- Comprehensive stockholding means **rapid order response**
- **System versatility** optimises on-site usage
- **Continuous innovation** creates more possibilities

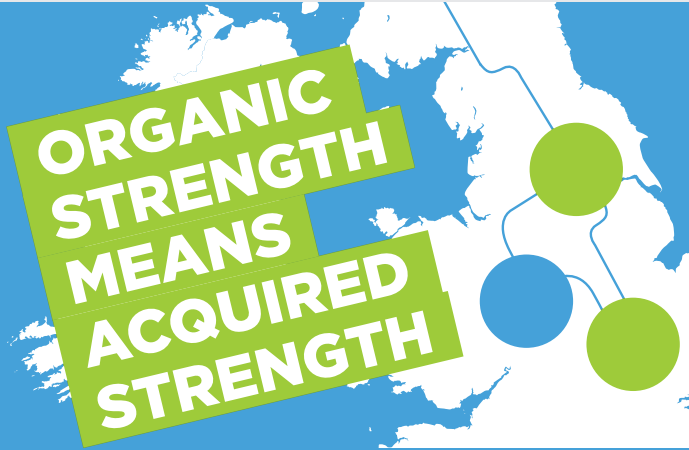


SITE EFFICIENCY... THE LAYHER VIEW

- Speed of safe erection and dismantling means **rapid access and protection solutions** - no need for double guard rails
- Proven and tested loading capability and '**automatic correct assembly**' design
- Materials and construction mean **long life performance**
- **Full input and support** from Layher's UK and worldwide network

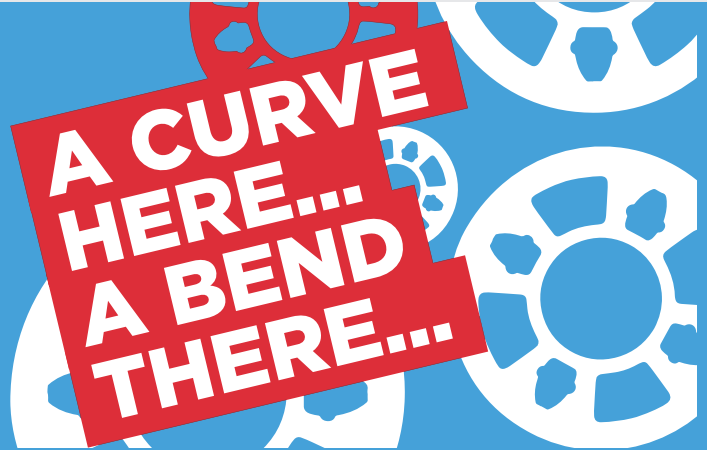
contractors have by enhancing their ability to meet more and more installations needs. Our commitment to innovation is set to carry on long into the future which means, of course, there will continue to be –

‘So Many More Possibilities’



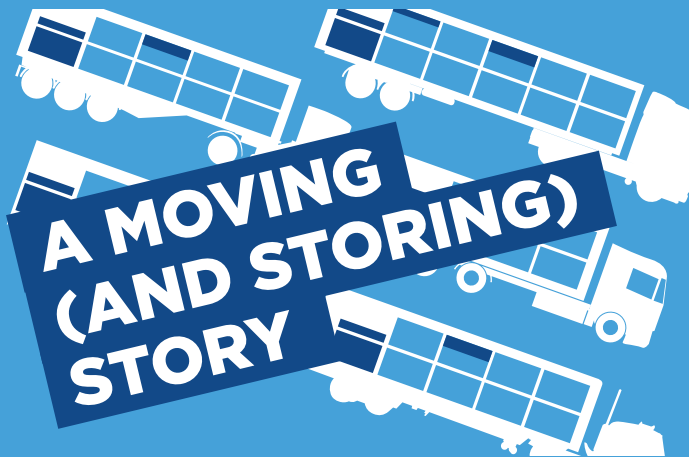
ORGANIC STRENGTH MEANS ACQUIRED STRENGTH

- Layher history of organic growth ensures **consistent quality control**
- **Commitment to growth** from within
- All divisions developed to reflect ‘**The Layher Way**’
- **Growth by innovation** – not acquisition



A CURVE HERE... A BEND THERE...

- Rosette connector **maximises versatility**
- **Multiple fixing angles** possible
- Accommodates curves and radii to **follow building profile**
- **Proven** – from architectural curves to industrial pipework



A MOVING (AND STORING) STORY

- Lightweight design **simplifies handling**
- Cost benefits through **maximum transport and storage capability**
- Interlocking decking – just one example of **advanced thinking**
- Helps **optimise site space usage** and vehicle movements



SAFETY... A WAY OF LIFE

- **Safety-conscious design** – from in-built fixings to anti-tipping components
- Wide choice of **dedicated training options**
- **Full industry accreditation**
- Linking **safe procedures** with **optimised system performance**

COVERING UP in Winchester

An internationally famous structure, priceless fittings and stonework, and the need for protection for a year – the Layher Allround temporary roof structure that sits over the Presbytery of Winchester Cathedral is impressive by any measure. Installed by Blencowe Scaffolding, the roof build is part of a four-year restoration programme and has directly answered many specific questions raised at the site –

“The installation provides protection while the existing lead work – some dating back 150 years – is removed for remelting and replacement,” says David Blencowe, Director of Blencowe Scaffolding. “The cathedral’s roof has an incline of 60° so we used a series of stepped lifts to support runners for the translucent Keder roofing sheets.”

The light weight of the Layher system contributed significantly to handling and positioning while its wide-bay design helped keep ties to an absolute minimum – “Located after close consultation with the stonemasons,” adds David Blencowe.

“The ninth century layout of Winchester Cathedral exhibits few truly straight lines or square corners,” says Ian Bartlett, Construction Manager at the cathedral, “and Blencowe Scaffolding’s view that this would not present problems to the roofing design was fully realised.”

The Layher temporary roof framework was fully constructed in the graveyard alongside the cathedral and then craned into position in four lift operations. The precision of the ground level build was critical as the structure had to match the irregularities of such an old building.

“The lifting event itself proved something of an attraction for the local population and regional news teams, who turned out in numbers to witness this rarely seen event,” adds Sean Pike, Layher’s UK MD.





Layher landing at **MAJOR LONDON** **HOSPITAL**

One of London's most important and iconic buildings is gaining from a major roof level addition – with the benefit of Layher Allround scaffold.

King's College Hospital in Lambeth is undergoing construction work that includes the creation of a helipad and access ramps atop a 10-storey building in the hospital campus. Installed by London Network Scaffolding Ltd. for client McLaughlin & Harvey Ltd., the facility makes extensive use of the strength and versatility of the Layher system – the scaffold's cantilevered construction beyond the building's edge is of particular note.

"Safety, security and speed have been the watchwords at the site and our use of Layher equipment has helped us to meet all three objectives," comments Gary Flynn, London Network Scaffolding's Managing Director, who says the helipad is destined to provide a service for 5.5 million people across south east London and Kent.

"Our use of Layher equipment on all major projects going forward is a demonstration of just how far we have moved ahead as a business," adds Gary Flynn. "This is particularly so in terms of meeting client time-frames and delivering safety-critical site requirements through a highly professional approach."



RISE HIGH IN SHEFFIELD

The versatility of Layher's Allround scaffolding system is clearly demonstrated as part of a major refurbishment project in Sheffield. Installed by Silverstar Scaffolding, the modular design rises up to 35 lifts – approximately 70 metres – to provide multi-level access for a new Vita Student residence being built by Create Construction and highlights key benefits arising from the use of the Layher system.

"Allround simplifies handling while the built-in rosette connectors enable erection times to be dramatically reduced compared to alternatives," says Tony Clarkin, Managing Director of Silverstar Scaffolding. "We estimate that one gable end structure, which was erected by just two scaffolders with the help of four

labourers, would have taken double the time for six scaffolders and the support of four men. Considerations also included a significant gradient at ground level and the need to build directly from the top level of an adjacent car park."

The installation also demonstrates the ease with which Layher scaffolding can be utilised in conjunction with mast climbers. "The scaffold is particularly effective where the façade layout prevented mast climbers being used," says Sean Pike, Layher's UK Managing Director. "Each scaffold lift was fully fitted out with Layher decking with two full height Layher stairtowers also installed by Silverstar within the scaffold frame."

Layher provides

IDEAL SCAFFOLD ACCESS

IN EDINBURGH

Effective workforce access and aesthetic appearance have combined in the centre of Edinburgh where Project Scaffolding installed Layher Allround during the construction of a new mixed use development for Standard Life Investments and Peveril Securities – under the management of main contractor Bowmer & Kirkland.

“15 temporary office cabins were stacked three high,” says Stephen Guthrie, Scotland Director at Project Scaffolding, “and, to provide ongoing access, we installed two Layher public access stair systems and three 50-metre walkways.” A Bridged Birdcage to create an elevated storage area over a temporary through-road between the site offices and the main construction area, again using Layher Allround system, was also a key feature.

A façade scaffold also provided multi-level access for the installation of the glass and fascia sections. “Wide bays, almost no cross-bracing needs and minimal tie-in requirements were important factors here,” says Kenneth Redman, Layher’s Regional Sales and Design Manager. The scaffold walkways were less than two metres wide to ensure minimal impact on the adjacent narrow Meuse Lane while a fan structure along its full length provided protection below. The fully decked Layher scaffold then rose some 11 lifts above the fan with an external access stairway also constructed.

“This is an important building in a highly regarded part of the Scottish capital so all aspects of the scaffold installation had to meet critical performance and aesthetic objectives,” adds Stephen Guthrie.



HELPING TO ACCESS NAVAL HERITAGE

Portsmouth’s Historic Dockyard has gained from a combination of Layher Allround scaffolding systems and the installation expertise of Modus Access UK.

Boathouse Number 4 – built in 1939 as part of the nation’s re-armament programme – is the focus for a comprehensive refurbishment exercise to create a remarkable venue that combines boatbuilding and heritage skills with

display and leisure attractions.

Modus Access has installed façade scaffolds to some eight lifts in height along three sides of the building structure, one of which had to be built from a concrete plinth. “The light weight of the Layher design was significant here as was keeping the number of bays to a minimum throughout due to the system’s standard dimensions,” says Christopher Dowse, Director of Modus Access.

A bridge over an existing two-storey apex roof structure at one corner of the building was also achieved by linking six Layher beams.

Inside the building, Modus Access installed scaffold

structures for access to the wall fabrics and the roof area. “Additionally, one of the most unusual parts of the project saw the internal erection of a scaffold to enable the installation of an eight metre high ship’s mast,” comments Sean Pike, Layher’s UK Managing Director.

The opening of Boathouse Number 4 in Portsmouth’s Historic Dockyard will mark a major new lease of life for an old and famous building. “We hope it will also reflect the results that can be achieved by linking our scaffolding skills with the versatility and capability of Layher Allround to meet challenges of all types,” concludes Christopher Dowse.



SCORING RUGBY WORLD CUP POINTS AT TWICKENHAM

The simplicity, appearance and load-bearing capability of Layher Allround Scaffolding has scored at the Rugby World Cup. Working for the Arena Group, a delivery partner for the event, specialist contractor Overlay Events has used the system to create a series of temporary entrance points at Twickenham.

"The anticipated crowd throughput meant the organisers temporarily moved the ground perimeter back from the stadium – calling for new spectator and emergency vehicle entry and exit points," says Garreth Hannon, Director at Overlay Events. "We used the Layher system to construct free-standing structures at key locations on the new perimeter to provide covered access for a series of turnstiles and the adjacent archways to mark the emergency vehicle access points."

Layher scaffold towers were linked together by pairs of parallel ledged and braced Layher beams, each spanning up to 15 metres. "The beam structures also provided the ducting for a range of utilities and services including data, electrical cabling and overhead illumination so they had to accommodate significant loading," continues Garreth Hannon, "and the strength of the Layher beam design was thus a key factor." Both scaffold structures were also clad in plywood and then branded in accordance with the event and as a means of directing spectators.

"The expertise of Overlay Events and the capability of our Allround scaffolding system have come together to deliver a key solution," says Sean Pike, Layher's UK MD. "I believe we have put together a team that we feel is the first to score at the Rugby World Cup."

OLYMPIC ACCESS WITH LAYHER

Olympic Park is also set to gain from the combination of scaffolding and access solutions developed by PHD, Overlay Events, Project 7 and Layher Ltd. As both a further venue for the Rugby World Cup and use as a football stadium thereafter, the innovative stadium redesign features major moveable seating sections for which wheelchair access has been incorporated.

"We have used the Layher system to build a series of perimeter platforms and link bridges to meet this need," comments Garreth Hannon, Director at Overlay Events. "The system is both functional and in keeping with the high quality appearance and construction of this superb venue."



NEW HEAVY DUTY BEAM WEIGHS IN

A new beam option is being introduced into the UK marketplace which combines heavy duty performance with the famous Layher commitment to light weight, ease of handling and versatility.

- Connects direct to Allround system and tube and fitting scaffolding.
- Choice of lengths with strength gained from 1.25 metre depth and 60 mm top and bottom chords.
- All-aluminium construction features rosette connectors on vertical posts' centre points.
- Extensive compatibility with a wide range of accessories.

THE LAYHER CHOICE

- ✓ **ALLROUND LIGHTWEIGHT SCAFFOLDING**
Maximised installation versatility centred on Layher's acclaimed 'rosette' design.
- ✓ **EVENT SYSTEM**
Dedicated equipment designed to be expandable and adaptable – meeting a vast number of concert and sporting event staging, stand and platform requirements.
- ✓ **PROTECTIVE SYSTEMS**
From 'Protect' containment panels to a choice of temporary roofing systems – all designed to help maximise efficiency and improve the building environment.
- ✓ **SPEEDYSCAF®**
Simple, manual erection using just five basic components to create a strong, stable access system.
- ✓ **FALSEWORK (TG60)**
With a few additional components, Allround® can easily be converted into a falsework system offering back-propping, crash-deck and load support solutions.
- ✓ **ROLLING TOWERS**
Fast to erect, easy to reposition, safe and with a choice of decking sizes – the optimum answer to mobile access.
- ✓ **LADDERS AND STAIRTOWERS**
Direct stairtower connection to scaffold design provides safe, durable access for multiple personnel use at any height – together with a choice of ladder designs that all offer durability, stiffness, safety and stability.
- ✓ **ACCESSORIES**
From steel or aluminium unit beams, scaffold tubes, couplers and castors to hoists, nets, wall anchors and hardware, the choice of optional accessories from Layher is innovative and extensive – to maximise the success and effectiveness of every installation.

TO THE HEART OF THE UK

The Midlands is the next area to benefit from Layher's organic growth.

The planned new Layher depot in the centre of the country will supplement our head office in Letchworth and well-established regional facilities in Scotland and North Yorkshire.

"The Midlands is a huge area and we will be delighted to be able to bring our access and weather protection to the region's doorstep," says Layher's UK MD Sean Pike.

"Plans are well advanced – and, as they say... **'Watch this space!'**"

ROLLING OUT DOWN UNDER

The opportunities for innovation that result from Layher scaffolding designs have been in clear sight in Australia.

An entire scaffold gantry was erected within the building frame during construction and then simply wheeled out beyond the edge as required. Eliminating the risk of falling objects during structural steel work to the outside of the façade was the objective – fully met six times during the project at Sydney's Barangaroo site.



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