

Update

Layher®



- ✓ EQUIPMENT
- ✓ DESIGN
- ✓ SUPPORT
- ✓ EXPERIENCE
- ✓ VERSATILITY
- ✓ EXPERTISE

DECEMBER 2011

**Layher
Allround®
Scaffolding**



Temporary roofing reaches new heights

“ Its capabilities and the benefits it offers ... will be recognised by everybody in the industry ”

Layher's commitment to product innovation based on market requirements and customer feedback is now demonstrated again with the introduction of the new Layher Keder Roof XL system.

Offering a host of on site benefits, including more than double the possible span (up to a massive 40 metres!) and enhanced bracing options, the new design is easy to install, lightweight and versatile.



Its capabilities and the benefits it offers in terms of quality of work and project scheduling will be recognised by everybody in the industry...and are all detailed on pages 6 and 7.

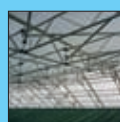


Just a few clicks away!

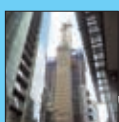


The new Layher UK website is in the final throes of preparation including new features – such as an Application Selector, which will allow visitors to the site to target their specific user requirements.

The new site is scheduled to spring into life in early 2012. Keep an eye on www.layher.co.uk!



2 Successful college examination!



5 Rising high in the capital.



6 New roofing system means new benefits.



11 Work of art is a winner!

In this issue...

Layher Allround® and Keder Roof pass college test

Roof refurbishment at Winchester College's New Hall has been completed by Modus Access UK Ltd. using Layher equipment to provide vital weather protection that avoids potential drawbacks associated with a traditional scaffolding and mono pitch, tin-sheeted alternative.

Appointed by Strongboard Construction Ltd. to provide a protection system against rainwater and wind loading risks, the Modus solution utilised the lightweight design of the Layher Allround® scaffolding system to create support around the building for a Keder temporary roofing system installed in a rolling, apex configuration. The design initially covered some 60% of the roof refurbishment work and was simply rolled along when required during the three-month project – significantly less time than would have been the case with tube and fitting methods.

"The scaffolding descended to a flat roof around three sides of the building, under which propping and stabilisation were installed – again to a far lesser extent than would otherwise have been required," says Simon Jeanes, Modus Access UK MD. "The remaining side of the building used a full height scaffold, with the lower levels encased with Layher Protect panels with a lockable door," he adds.

"Modus Access UK places great emphasis on not just providing effective scaffolding solutions and innovative temporary roof installations, but also on the quality of the work it produces – and this is self-evident from this latest project at Winchester College," comments Layher's UK MD, Sean Pike.



Layher on line with Dixon Scaffolding



Refurbishment of a major National Grid overhead line facility has gained from the combination of Dixon Scaffolding experience and Layher equipment.

The installation of 11 scaffold towers and protective netting at Thickthorn Services on the A47/A11 junction is typical of the work that has been undertaken on power circuits between Norwich and Wisbech. The 350-metre run has seen tower installations accommodate a variety of locations and terrains with Dixon Scaffolding working closely with the Electricity Alliance East, the local authority and traffic management specialists.

“The towers were designed to minimise the potential for the protective net to sag, to maintain a minimum clearance of 6.1 metres above the highway and to take account of weather and potential line loadings,” says Andy Boaz, Dixon Scaffolding Project Manager. He highlights safety, speed, tidiness and the minimum number of required components as key factors pointing to the use of the Layher Allround® scaffold system.

London location gains from Layher Allround®

Cleaning and external repair/redecoration works on the prestigious Prudential building in London's High Holborn called for the scaffolding and access installation to meet clearly defined objectives. TRAD Scaffolding, using Layher equipment, provided a three-phase solution for Isis Restoration – delivering multi-level, simultaneous access on a number of the building's facades.

The structure incorporated access stairtowers and cantilevered material gantries and utilised the Allround® system which provided wide bay access and, importantly, no cross bracing.

“The modular design helped fulfil the Isis Restoration commitment to meeting high quality visual standards,” comments Nigel Mardon, Senior Contracts Manager at TRAD Scaffolding, who also highlights the significant handling advantages of Allround® – important in an area where crane access is not possible.

Significantly, the small number of standards with the scaffold system also reduced the need to create tying-in locations – important with a listed building of this type.



Protection on the underground

Layher Protect panels have played a key role during power upgrade work on the London Underground at South Kensington station. Installed by Pro Access Scaffolding Ltd. for main contractor Murphy Ltd., the installation screens work being undertaken in close proximity to the track – helping to address concerns about the risk of falling debris.

Painted blue to stop glare from the panels distracting drivers and to comply with London Underground hoardings criteria, the scaffold is supported at high level with 450 mm deep beams spanning from the screen to the station building.

The design has helped to maximise the work area behind the hoarding and aided the construction of the concrete foundation – addressing issues that may have arisen with an alternative scheme which involved 1.2 metre wide scaffold with plywood sections.

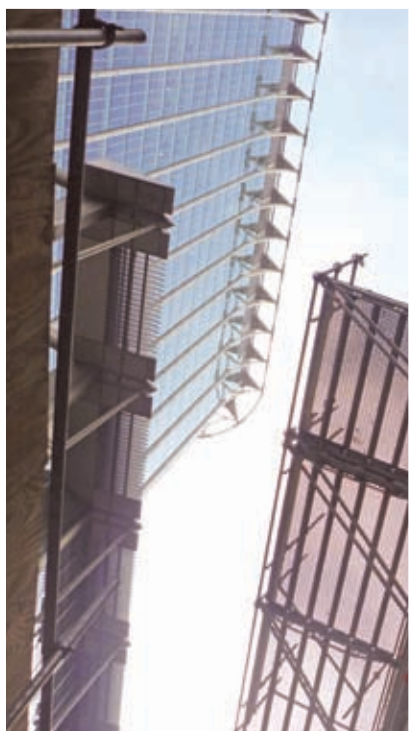


Allround® completes mission for military landmark

The celebrated Serles House Military Museum has undergone refurbishment and redecoration with the benefit of Allround® scaffolding access. Working platforms installed at different heights provided access both over and around a number of building features despite limitations on the use of drilled anchors given the historical significance of the building.

“The wide range of bay sizes and configurations enabled the many recesses and protrusions to be accommodated whilst a system of buttressing overcame the anchoring limitation,” comments Modus Access UK’s MD, Simon Jeanes who undertook the installation of the scaffolding for building and redecoration specialists, A Purkiss Ltd. “The design of Allround® also presented a highly acceptable visual result whilst the minimum amount of materials required contributed to the manual transportation needs.”





Up and up in the capital

The landmark design of the Heron Building, part of London's Milton Court development, is gradually rising with the help of a Layher Allround® Hoist Tower. The installation, undertaken by Connect Scaffolding for main contractor Sir Robert McAlpine, accommodates fixing points for passenger/goods hoists during construction.

"Our Allround® structure proved the optimum solution in terms of the leg loading to height equation and also gained from an innovative 'parallel flange channel', developed by Sir Robert McAlpine, which integrated the hoist system to the Allround® Hoist Tower," comments Layher's UK MD Sean Pike.

Upon completion, it is understood that Connect will have erected one of the tallest ground-based scaffolds currently in the UK.

More reliable project scheduling, enhanced working environments and improved quality – the benefits associated with temporary weather protection are well understood and often critical, particularly at times when rain and snow are at their most challenging.

The choice of Layher temporary roofing systems has always been structured to bring these key advantages to customers whilst ensuring versatile design offers the opportunity to tailor each installation to precise on site requirements.

Layher is now delighted to introduce the latest addition to its temporary roof capability – the Layher Keder Roof XL. The system is centred on a lightweight frame, with an integral track through which translucent tarpaulin sheeting is pulled to create a highly weather resistant enclosure. Permitting natural light to enter the work area, installations can often eradicate the need for expenditure on temporary lighting whilst quality of protection means that activity can proceed without interruption from inclement conditions –

enhancing project scheduling for contractor and end user alike.

The Layher Keder Roof system has long been acknowledged for its role in the building industry and now the new XL development brings even greater advantages to the marketplace – not least through its greater span capability – a massive 40 metres!

Simply contact Layher to obtain full details on this innovative and exciting new temporary roofing development.



Nominal span up to 40 metres – over twice the previous capability

Enhanced lattice beam and top chord profile – the only roof beam with an integrated sheeting track

Arch/domed roof construction now possible

Keder XL benefits – at a glance

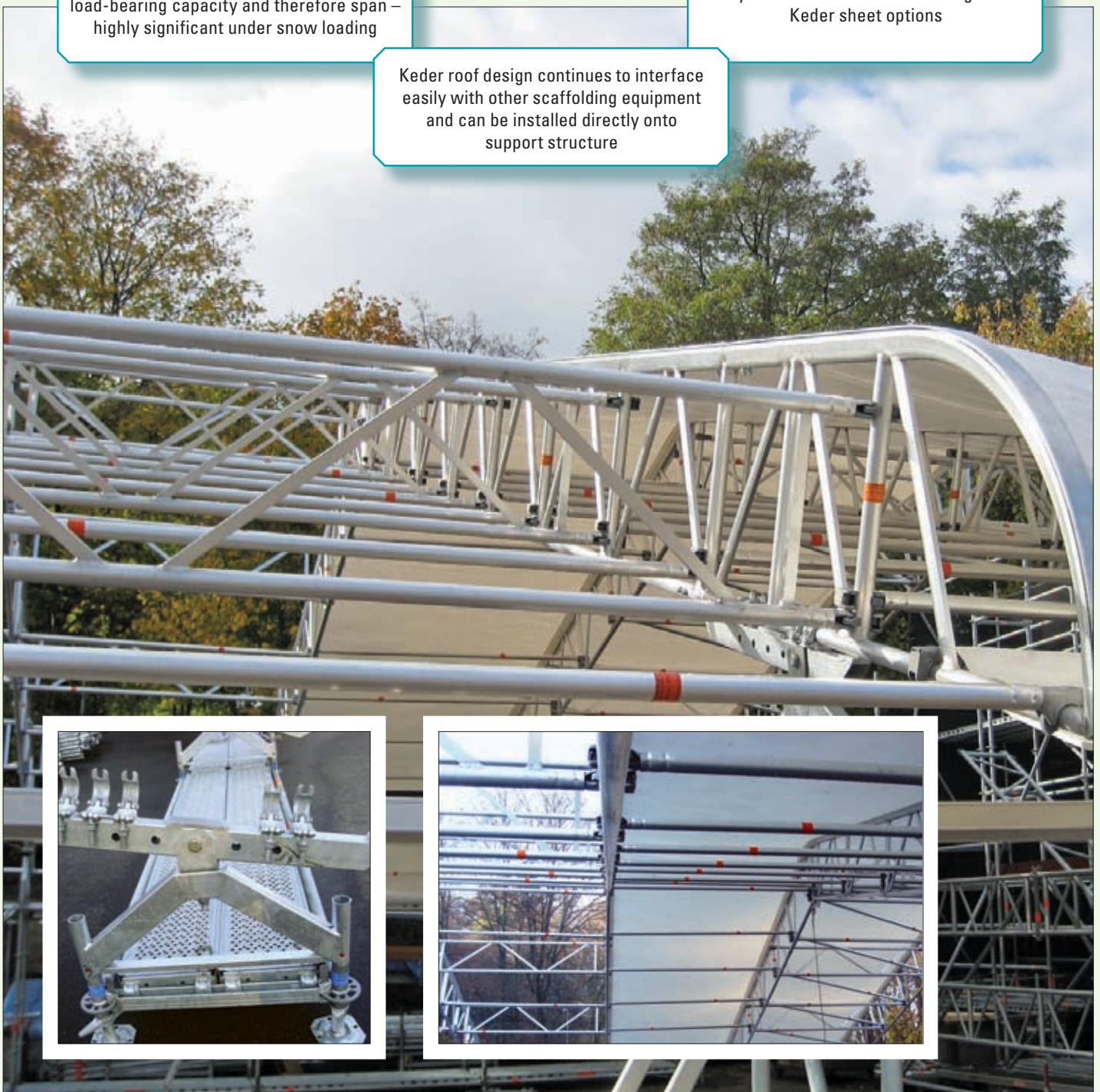
Light, standard and heavy-duty installation/long span variants available – importantly using the same roof beams

Bracing required as little as only every fifth bay (depending on span required)

New tension bar system maximises load-bearing capacity and therefore span – highly significant under snow loading

System includes both roof and gable Keder sheet options

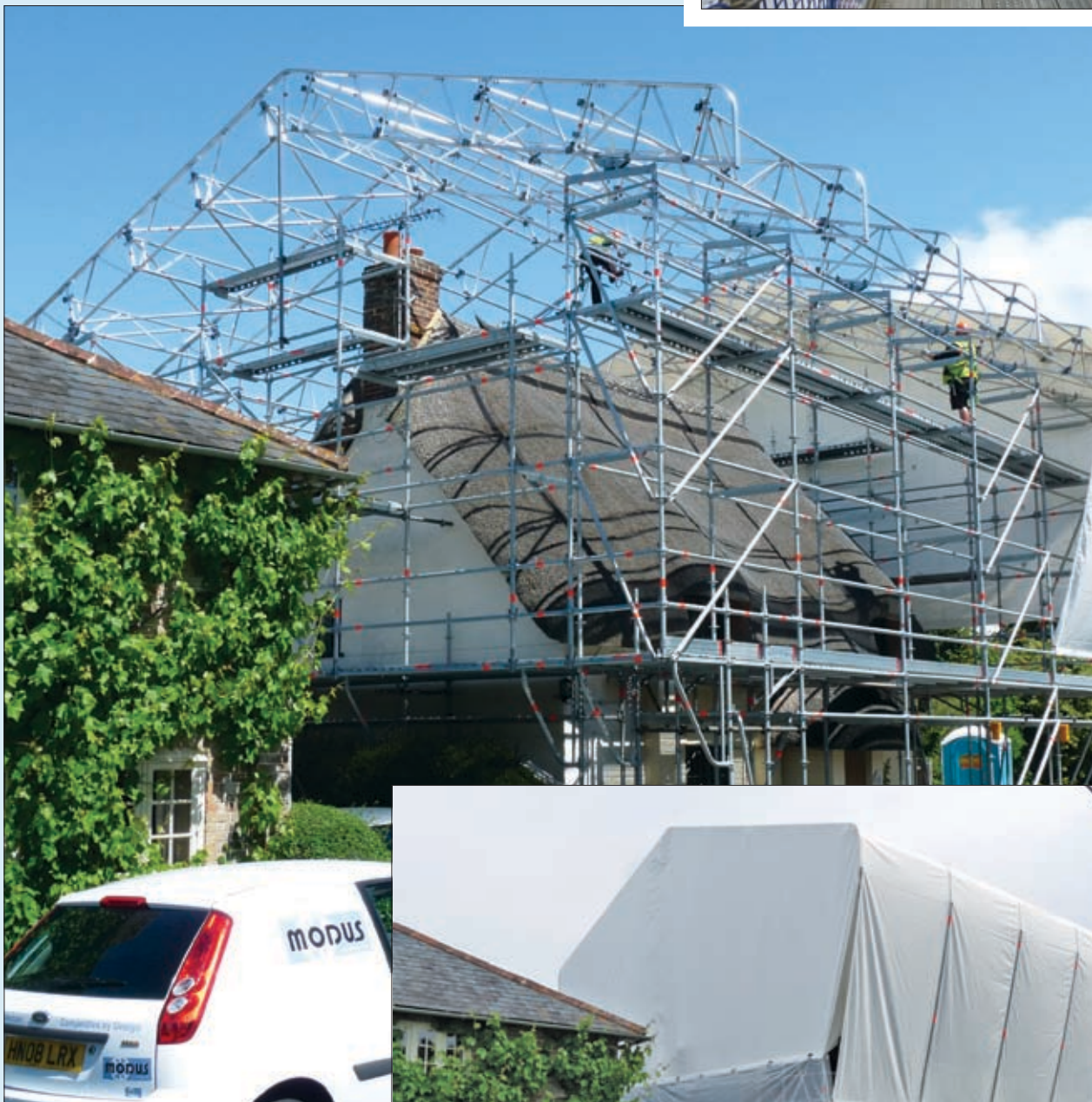
Keder roof design continues to interface easily with other scaffolding equipment and can be installed directly onto support structure



Picture perfect protection

Installation time saving of 50% compared to tube and fitting and tin-sheet, natural light and minimised local disruption – the benefits of a Layher scaffold and Keder roof system during timber and roof refurbishment of a picturesque thatched cottage in Wiltshire has gained from equipment design.

“We provided encapsulation and weather protection together with working platforms for the access required by R Moulding & Co. for the refurbishment work—despite limited access to the sides and the rear of the building,” says Modus Access UK’s MD, Simon Jeanes, who undertook the installation work.



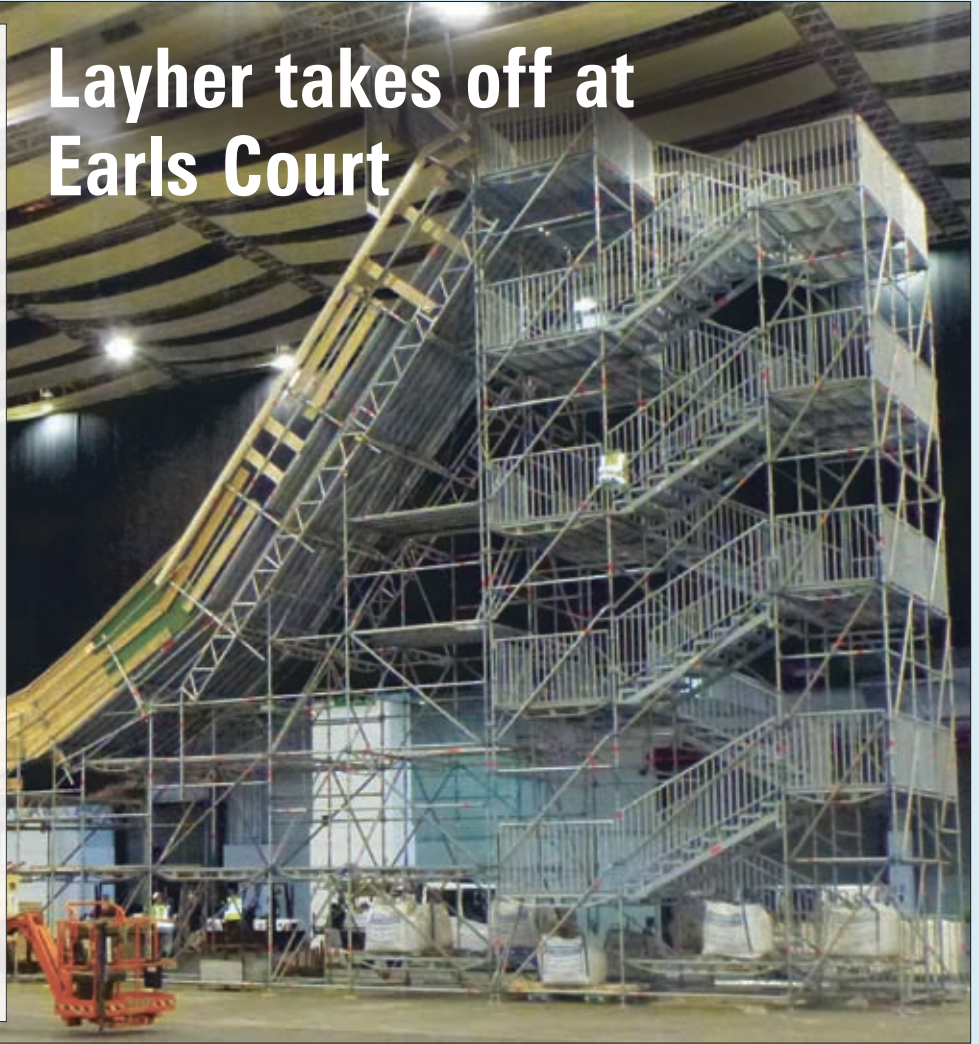
Participants in the Ski and Snowboard Show at Earls Court in London have been given a lift by Layher Allround®.

The move to the new venue presented an opportunity to re-design the ramp structure to incorporate a 'hip jump' that included a landing ramp constructed perpendicular to the take off ramp or 'kicker'.

"The Allround® system was used to construct the ramp, with a design that also included a 750 public access stair structure that enabled the skiers and the snowboarders to climb safely to the top of the slope," explains Oliver Cave, Managing Director, Connect Scaffolding.

"Construction and de-rig times were a critical factor so a system that could be installed quickly and safely was fundamental – it wasn't just the skiers and the snowboarders that impressed!" he concludes.

Layher takes off at Earls Court



Adaptable ... and good looking!



The excellent adaptability of Layher Allround® has played a key role in Bristol where scaffolding contractor Clarke Bros. has completed a high profile installation on premises occupied by one of the city's leading accountancy firms.

A fully-decked, five lift facade scaffold was installed, which provided access throughout and also acted as support for the Keder roof system. A Layher stairtower with a lockable area created with Protect panels at ground level were also key features.

"Whilst the original objective was to provide covering for roof refurbishment for roofing contractor Nick Chinn, we readily adapted the Allround® design to provide access to windows at each level for painting," comments Richard Clarke, Director at Clarke Bros. "This versatility, coupled with the need to provide a visually acceptable scaffold design, has been key to the success of the project."

Maintaining excellent savings

Time and manpower savings of some 50% compared with conventional tube and fitting scaffold, and the ability to maintain open access roads have been key advantages arising from the use of Layher scaffolding at E.ON UK power stations in Ironbridge and Connah's Quay.

The work at Ironbridge, undertaken by Kaefer C&D, has provided access to the undersides of a precipitator during insulation repairs.

"The shorter time frame represented substantial cost savings for our customer whilst the design also provided the workers with staircase access and an excellent safe platform to perform the work," comments Richard Llewellyn, Operations Manager at Kaefer C&D.

At Connah's Quay, where his organisation was also responsible for the scaffold installation, he draws additional attention to the problem solving capability of the Layher equipment and design team –

"The result was a 50% reduction in labour compared with conventional methods and we are now looking to enhance stockholding of Layher equipment to address further maintenance requirements at site," he says.

The ability of the Layher design to achieve access at both locations with far less equipment than would otherwise have been required has also been a major factor. At Ironbridge, for example, 6 x 2.57 metre bays were created to support a working deck at a height of 13.2 metres from which access scaffolds were provided. Additionally, the use of a 4.14 metre U-lattice beam enabled the access road to remain clear below by reducing the amount of material normally associated with a birdcage scaffold that would, traditionally, have been required.

"Benefits at both sites are clear-cut and we are delighted that Kaefer C&D and E.ON were able to gain from the design of our systems," comments Layher's UK MD Sean Pike. "With

time and cost considerations clearly vital in all maintenance operations, I believe this is an excellent demonstration of the advantages that can be gained from using Layher modular scaffolding."



Layher scores again!

The working relationship between Layher and Kaefer C&D has now moved beyond the maintenance sector ... on to the sports field! Both companies have been delighted to provide football strip sponsorship for Haxey-based club Kings FC, who operate three teams in the Gainsborough Sunday League.

"We are delighted to help and are impressed that a village with a population of less than 4500 can consistently turn out three good standard teams each Sunday," comment Richard Llewellyn, Operations Manager at Kaefer C&D and Sean Pike, Layher's UK MD. "We were happy to join together to provide strips for both the second and third teams and wish them every success for the rest of the season and beyond.

"Given that part of our reputation is centred on providing excellent support systems on site – it is particularly pleasing to see this principle now extended onto the playing field!" they conclude.



Congratulations!

Putting on a show ... again!

Congratulations again to Acorn Event Solutions who have once more won the top award for an exhibition stand of its size at this year's Showman Show. Making the most of the Layher range of event systems equipment, the stand was centred on a dramatic stage structure with an impressive 30 metre frontage, which also showcased the organisation's 10 metre diameter revolve – integrated directly into the stage design.

"We are proud to pass on our congratulations to every member of our staff who have made this possible – again," comments Rebecca Nutter, Director of Acorn Event Solutions.



Training success at Keepmoat Homes!

The certificates confirm a successful conclusion of a Layher Allround® scaffolding training course given by key personnel from Layher, and from scaffolding contractors R Bau and BBT in connection with the planned use of the equipment on a number of Keepmoat Homes sites.

"Buying into the Layher system has given both R Bau and BBT Scaffolding

the opportunity to offer services within the building developments sector which focus on safety and the ability to respond to fast moving programmes," says R Bau Director, Darren Bowey-Tyler.



"The two-day presentations resulted in the 'Layher Induction and Familiarisation' certificates being given to all 25 attendees including the four gentlemen shown here," adds Layher's UK MD, Sean Pike. "We believe the scheme pays testimony to our belief in providing high quality training and the commitment shown by Keepmoat Homes to the Allround® scaffolding system and the benefits it provides."



Proud to display their achievements – (left to right) Contracts Managers, Mark Binns and Vince Chatterton, Construction Manager, Peter Gallagher and Construction Director, Kevin Chatterton of Keepmoat Homes.

A real work of art

One of the more unusual applications of Layher Allround® scaffolding can be seen every year at the Anglesey County Show and this year it has received the recognition it deserves.

"Each time we erect an artwork using the Layher Allround® system that is designed to be visible from all points of the show field," comments Alan Kelly, Proprietor of MY Scaffolding who have a long history of fulfilling rural scaffolding requirements using the Layher system design. "This year we were delighted to receive the recognition of 'Best Stand in Show 2011' and were very proud to accept the trophy from the Anglesey County Show Committee."

The photo shows Alan Kelly (left) collecting the award from Huw Edwin Jones, Trade Stand Judge for Gwynedd Events, run by Gwynedd County Council.



New guide gains praise

The new Allround® Scaffolding UK Technical Guide has been enthusiastically received throughout the country.

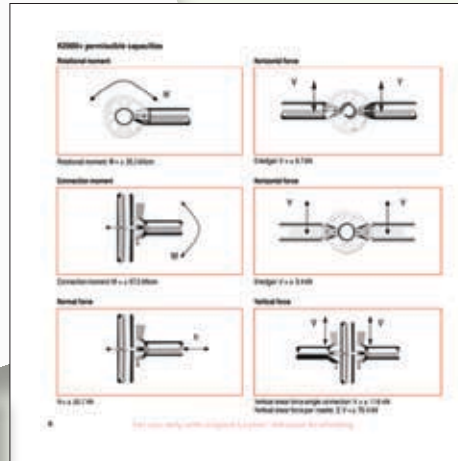
The 125-page publication, which provides details on the full range of Layher Allround® structures, was made available in the summer.

"It is the most comprehensive publication of its type that we have ever produced in the UK and the benefits have been acknowledged by the marketplace – from scaffolding contractors to independent temporary works engineers such as 48.3 Scaffold Design who actively assisted in proofing the guide on our behalf, providing us with third party opinion," comments Layher's UK MD Sean Pike.

"Customers can request their own copy via our website," he concludes.



www.483scaffolddesign.com



Added vertical strength

As a more cost effective, faster and lighter alternative to an I-beam, the Triple Wedge Head Coupler from Layher ticks a long list of boxes on site.

By linking a number of Allround® standards together, it creates a structure that is able to accommodate significant vertical loadings, which is of value in a wide range of application environments – not least as a means of providing bridge support.



The Layher Choice

ALLROUND® 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
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.



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More Possibilities. The Scaffolding System.