Layher.

Happy Christmas and best wishes for 2015 from us –

As we reach the end of 2014 we can look back on a successful 12 months that has seen our range of equipment develop alongside the continuing commitment and innovation of our growing list of contracting customers.

Update

So thanks to you all for the chance to work with you throughout 2014 – and here's hoping for even better in the year ahead.

Cheers – from everyone at Layher!

HIRE & SALES EQUIPMENT DESIGN

> SUPPORT EXPERIENCE

VERSATILITY EXPERTISE

 \checkmark

to all our customers

In this issue: working with our customers in 2014 - how Layher's products and expertise meet diverse on-site requirements

Allround helps provide a 50 year view at Bradwell

- Complete building enclosure using Allround and Keder XL
- Total of 1,240 tonnes of Allround and Keder XL used 19,000 m³ per reactor
- 26,000 man-hours scoped per building 9,000 man-hours total saving compared with tube and fitting
- Service included full design support, quantification, training and on-site inspection
- Delivery to site in just three weeks

The decommissioning of Bradwell Site near Southminster in Essex has involved the refurbishment of structures that will remain a feature of the area for the next 50 years, with Deborah Services Ltd. (DSL) providing access at the site to enable a variety of trades to transform the familiar reactor buildings.

The principal focus of the work has been on providing multi-lift scaffold access to the two adjacent buildings – each 50 metres in height, with straight sides measuring some 275 metres in length. *"We have fulfilled all access needs at the site for eight years so our understanding* of the specific needs for such a project is well founded," says Mark Wood, Construction Manager at DSL, who undertook the access installation for Vinci UK Ltd, working for principal contractor Magnox Ltd.

Key objectives were to keep installation and striking times to a minimum and also to provide clear access around the structure for the range of trades on site. The refurbishment involved the removal of cladding, glass and the roof structures before replacement with a brushed aluminium covering – to create a 'Reactor Weather Envelope' – that is designed both to protect the buildings and fulfil the clear-cut aesthetic objectives over the next five decades.

"We made widespread use of the Layher Allround system scaffold to take advantage of its ease and speed of assembly and installation, and because we could design every fullydecked lift without ledger-bracing. This ensured unhindered access throughout the two structures," continues Mark Wood. The design also featured a separate, internal birdcage scaffold, cantilevered sections, loading decks and eight staircase systems on each of the two buildings.

Allround helps Archway deliver safety, speed and quality

Archway Services plc are providing approximately 2,100m² of Allround scaffolding to the prestigious Park Lane development of Churchill Retirement Homes in Camberley, Surrey.

The project consists of seven fully decked levels and several loading bays, together with stairtower access designed to assist with the safe and fast-paced build programme which is due for completion by early 2015.

"The decision to use the Allround system was taken by the Churchill commercial team because of its safety, speed of erection and versatility – notably when fixing multi-type cladding applications on the various facades," says Mel Archer, Archway Services MD.





With scaffolding in place for up to four years, and visible to 1000's of visitors over the period, the selection of equipment for works at Winchester has had to meet very clear-cut objectives.

Blencowe Scaffolding, who have used Layher equipment to fulfil a range of access needs in this prestigious building, highlights tidy appearance as one of the key considerations behind the equipment specification.

"This factor, together with the speed of erection, were two of the important elements, with the scaffold erection now underway in three key areas of the cathedral and due for completion in March 2015," comments David Blencowe, Director. He draws attention to a temporary birdcage scaffold constructed in the presbytery which enables beams to be erected off the high-level clerestory walkways. The installation also features a suspended dust-proof deck, installed beneath the beam level with birdcage access scaffold erected above to provide working access for ceiling and window conservation works.

"We are also installing external scaffold to provide access to replace the main pitched lead roof, with a temporary roof also erected over the presbytery to form a weatherproof enclosure during the works," continues David Blencowe. "The third installation, in the south transept, is seeing a further internal birdcage erected to provide access to walls and windows for refurbishment and cleaning procedures." Here, the company also makes use of the Layher Protect system which is proven to provide a highly effective screen against dust and debris, of particular relevance in such an important location.

With the initial installation having met tight time scale requirements – despite a week's postponement for activities within the cathedral itself – the further work is now on target to become the latest in Blencowe Scaffolding's 25-year history of working on a number of projects in this internationally important location.

Layher receives high praise – at Winchester Cathedral





Workshops in the sky

A highly innovative access solution – which includes extensive use of Layher Allround Lightweight Scaffolding – has been achieved by contractor PHD Modular Access on one of the UK's newest, yet most iconic, structures.

Roof strengthening on the Olympic stadium, which included inspection, blasting, welding and painting processes, has increased the structure's weight from 1400 tonnes to 4000 tonnes, making it the largest cantilevered roof of its type. PHD's access solution was to use a 'top down' approach which, as Bernard Dwyer at PHD Modular Access explains, had to avoid contact with the stadium's three compression trusses.

"We utilised chains with lockable grab hooks and clutches to create a series of scaffold 'pods' fixed to every node connection point of the truss," he says. "A total of 56 high level pods were created more than 30 metres in the air above a further series of 112 lower pods, which also gained from a number of bespoke items that were developed specifically for the project. For both loading and speed benefits, we utilised the Layher Allround Lightweight system including metal decks, fire-rated ply and shrink wrap with zipped access doorways also installed at key points – the entire structure has been likened to a 'Workshop-like environment, 30 metres in the air'."

Stored on the field of play during construction, some 480 tonnes of Layher scaffold was used. With the project undertaken by main contractor, Balfour Beatty, for London Legacy, the access solution delivered by PHD also fulfilled specific timeframes associated with the use of the stadium for the Rugby World Cup in 2015.



www.youtube.com/watch?v=EUa2d3Y6k0w You Tube



Aircraft maintenance takes off with Allround

The speed of installation of Allround, with direct beneficial impact on scaffolding cost, has combined with Multiscaff's design and installation skills to meet a highly specialist application need in Switzerland.

The system has been used economically and effectively to enable multiple level tail docking and access to the wings and fuselage of a Boeing 767 during maintenance procedures – importantly, meeting the project's specific time scale considerations.

"Our extensive and specialist experience in scaffolding aircraft suggested Layher Allround would be the ideal system for this application," says Gary Hayes, Director at Manchester-based Multiscaff. "We transported some 200 tonnes of equipment to the Swiss site and then received excellent support from both Layher's UK office and the company's headquarters in Germany – particularly with the supply of specialist components."

Multiscaff now reports that it is continuing to supply services to the customer in question after the successful installation in Switzerland which ran from January to June 2014.





The ease of installation that is at the heart of the Layher bridging system has been clearly demonstrated in South Wales.

Xervon Palmers – working for main contractor Kier – assembled the bridging system offsite directly onto an articulated trailer ahead of transportation and installation at Port Talbot Parkway railway station. With support stairtowers erected at the location, the entire bridging structure was craned into place during an overnight line closure – the time required from trailer to secure installation was just 25 minutes.

The bridging system which provides public access over the railway line will remain in place until April 2016 while the station undergoes modernisation.



Swedish benefits ... in central London

The Keder XL temporary roof design installed by contractor London Network Scaffolding Ltd. (LNS) has played a key role in roof refurbishment work at the Swedish Embassy in London's Marylebone.

Fixed on a ground-based support scaffold, the roofing system – which, importantly, can be assembled without the need for a crane – has provided a clear, naturally-lit working environment within.

"The system was ideal for the work which included the removal and replacement of the roof and insulation, and the fitting of a new weatherproof membrane," comments Gary Flynn, MD at LNS, who were appointed by Swedish roofing contractor, HAGMANS TAK, operating on behalf of Rotgruppen and Statens Fastighetsverk – The National Property Board of Sweden and owners of the Swedish Embassy.

LNS also installed a hoist system at one gable end for both men and materials with access simply achieved by creating an opening in the roof system sheeting.

"At street level, the Layher Protect system was also used to enclose the hoist mechanism with access via a lockable door," continues Gary Flynn. "The system also provided a flat surface which was ideal for site advertising displays."

"The speed and simplicity of the Keder XL system were clearly demonstrated by LNS," comments Sean Pike, Layher's UK MD. "In



such an extremely busy central city location, the advantages of the erection method were clear-cut and we are delighted to have been able to work with Gary Flynn and his team at LNS on this important refurbishment project."







Timber-framed house construction for Peak Construction – just four metres from a rail line in Camden – had to be completed within a very short possession period specified by Network Rail. London Network Scaffolding Ltd. (LNS) turned to Layher Allround to create a free-standing screen structure, some 45 metres long and



12 metres high, to match the timeframe available – a process which, says LNS, could simply not have been achieved using an alternative tube and fitting scaffold.



TATTOO PAR

TUBORG

Key Layher benefits clearly on display



TUBORG

The suitability and versatility of Layher modular scaffolding – from the Allround design to dedicated event systems – have been successfully demonstrated in a long list of installations undertaken by specialist contractor, Media Structures.

URORE

"While we take full advantage of the range of Layher equipment that is designed for event use, including staging, public access stairs and seating, the adaptability of the Allround system also plays a key role for us," says Andrew Wilson, Creative Producer at Media Structures.

He draws particular attention to the rosette connector which is at the heart of the Allround design. The choice of fixing positions around a full 360° enables angles and radii to be fully accommodated, while its lightweight design also simplifies speed of installation and – of particular importance in the event industry – dismantling and removal from site. Andrew Wilson can point to highly impressive examples of Media Structures' installations that have benefitted in this way. These range from major national events in London – including the Royal Wedding – to a highly innovative entrance façade designed for the 10-year anniversary of the capital's Dover Street Market, stage and viewing platforms for a leading drinks producer at a series of music events and even Media Structures' own stand and display facility at the event industry's Showman Show.

Allround powers on

Layher Allround scaffolding is now being extensively used at Wytch Farm, a key power industry facility in Dorset. Site operator, Perenco UK has confirmed its commitment to the system at the gathering station in Wareham.

"Its use is growing consistently to the extent that we have now been asked by our customer to favour the Allround system over a tube and fitting alternative," says Mark Pritchard from site contractor, Bilfinger.





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.

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.

Always looking forward





It has been an eventful and successful year at Layher.

Following on from the success of the most recent Open Day, we have worked with our customers to enhance their use of our range of equipment – including, in particular, the recently introduced TG60 shoring system and the widely welcomed Allround Lightweight – and opened our latest depot, in North Yorkshire.

Opportunities to visit our factory in Germany were also a highlight of the year – our thanks to everyone who was able to join us and our hope that others will be able to do so next year.

Here's to more joint success in 2015!

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