



New 'integrated' facility design for Moorfields

Moorfields Eye Hospital NHS Foundation Trust, UCL, and Moorfields Eye Charity, have announced that AECOM, Penoyre & Prasad, and White Arkitekter, have been appointed to design their proposed new centre for eye care, research, and education, in London, under a scheme proposal called Oriel. The appointment follows a 'comprehensive' six-month long RIBA-led competition process.

Oriel is a joint proposal from Moorfields Eye Hospital, UCL, and Moorfields Eye Charity, to relocate all services from Moorfields Eye Hospital on City Road, and the UCL Institute of Ophthalmology on Bath Street, to a new, purpose-built facility at a preferred site at St Pancras Hospital. The plans will be subject to a public consultation, led by Camden CCG. The new facility would bring together clinical care, research, and education expertise, 'in one flexible, fully integrated facility', and, if approved, could open to patients in 2025/26.

In December last year, Moorfields announced that it had secured nearly £20 million in funding from the Department of Health and Social Care. RIBA had



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launched a competition in June 2018, encouraging architects and design teams globally to apply, after which five shortlisted teams were announced.

David Probert, chief executive of Moorfields Eye Hospital NHS Foundation Trust, said: "AECOM's award-winning team was selected due to its exemplary innovation and creativity, outstanding design quality, and previous experience in delivering health, research, and education facilities UK-wide. It has been a huge few months for this innovative and exciting

project. I look forward to working with AECOM, Penoyre & Prasad, and White Arkitekter, as it progresses."

Dale Sinclair, director of Technical Practice – Europe, Middle East and Africa, from AECOM, said: "AECOM is excited to be leading this experienced team of architects, engineers, and specialists. Together with Penoyre & Prasad and White Arkitekter we will work with the joint partners, patients, and staff, to design a world-class facility that will help shape the future of eye care, research, and education. Our design is focused on maximising collaboration and knowledge exchange, with an 'oriel' at the building's centre enabling greater interaction between patients, clinicians, and researchers. The public spaces would create a new urban realm to connect seamlessly with the ongoing renaissance of the King's Cross area."

The AECOM-led team will now work closely with Oriel's project team to produce concept designs on which staff and patients will be able to comment. This work will inform the upcoming Outline Business Case.

Expansion tank-related *Legionella* threats

Pressure tank and water treatment product specialist, Global Water Solutions, says it can offer a simple way to eliminate the threat of *Legionella* proliferation posed by expansion tanks in hospital plant rooms being connected to hot water cylinders or booster sets by simple 'T' fittings, which can result in deadlegs.

It explained: "Hot and cold water booster use is very common within healthcare facilities. Many systems are equipped with an expansion tank used to take up the expansion of heated water, or to protect the booster pumps during normal cold water supply, normally installed close to the hot water cylinder or booster



set. Connection is typically by a simple 'T' fitting, which can lead to deadlegs, and subsequent *Legionella* growth.

"The simplest way to remove this threat is to replace the tank with one of our new FlowThru expansion tanks, which have a built-in device that forces water from the main water supply pipe into the expansion tank water chamber.

"The water is then mixed and returned to the main water supply via a low pressure outlet, facilitating a consistent circulation of fresh water through the tank, which eliminates stagnation."

"Comprehensive test results' showing the efficiency of the water exchange are available on request.

Medical gas training 'when time is key'

HAC Medical Gas Training and Services has developed a new e-learning package, adherent to HTM 02-01 (and SHTM 02-01) standards, 'to make medical gas training more accessible and time-efficient for nursing and clinical personnel'.

The training is available as an internet-based application, and clients purchase licenses covering all their personnel.

The company said: "Although the costs of e-learning are considerably lower than classroom-based training, due to some aspects of medical gas safety, face-to-face learning still forms an essential part of training programmes, and we would always recommend an additional classroom-based session be taken every two years by nursing and clinical personnel dealing with medical gases.

"We can tailor our e-learning package to suit specific customer needs. For instance, where a hospital may have the full suite of medical gases, a hospice may only use oxygen, so may not require so much course content. Our fully certificated courses are available now to suit NHS and private hospitals, hospices, nursing homes, surgeries, clinics, and ambulance services – in essence, anywhere that medical gases are used."

Erratum

In last month's *HEJ* article (*HEJ* – January 2019, pp 59-62) by Alan Hambidge, a trainer at Eastwood Park, titled 'Sound training essential for good design and installation', the introductory paragraph stated that the author is 'an LCA-accredited Authorising Engineer'. The Legionella Control Association and IHEEM have asked us to point out that in fact the LCA does not 'accredit' Authorising Engineers. The paragraph should have said that Alan Hambidge is 'an independent Authorising Engineer'.

Approval for 'first-of-a-kind' wellbeing campus in Belfast

The first phase of plans to transform the King's Hall heritage site in south Belfast to a Health and Wellbeing Campus has been granted approval by Belfast City Council.

Todd Architects and Consarc Design Group are working with Benmore Octopus Healthcare Developments on 'the design of an innovative health park masterplan located at the iconic King's Hall, South Belfast'. The King's Hall Health and Wellbeing Park is a joint venture between Benmore Group and healthcare and property investor, Octopus Healthcare.

Todd Architects said: "The campus will be the first of its kind, setting a new standard for healthcare provision in Northern Ireland. It will provide GP services in new accommodation for the population south of the city." The 'vision' is for an integrated healthcare model as part of a wider 'lifestyle, leisure, and wellbeing park'. The masterplan encompasses a range of integrated and onsite health, community, and leisure facilities – including a primary care complex,



alongside ancillary medical facilities, with the ability to accommodate care for over 25,000 patients. The redevelopment will also include elderly residential care facilities – comprising independent living apartments and bespoke homes for the over-55s, a hotel and residents' gym, and a multi-storey car park.

Todd Architects said: "Architecturally, the former King's Hall landmark venue will be sensitively refurbished, with the primary design ambition being to preserve the heritage of this iconic, unique, 1930s *art deco* building. The existing King's Hall will sit at the heart of the scheme."

Helping plant managers enhance steam knowledge

Arguing that plant managers 'would benefit from developing a basic understanding of the properties of steam', Spirax Sarco says that a new guide, *The Fundamentals of Steam Quick Start Guide*, 'identifies several core elements to help develop knowledge within key areas'.

Authored by Chris Coleman, Boilerhouse national specialist at Spirax Sarco, it 'aims to offer a helping hand to plant managers to re-acquaint themselves with the fundamentals of steam, and identify areas of improvement'. He said: "The Guide identifies key areas when working with the wet side of the boiler, including how boilers produce steam, the types of boiler used, and the condensate loop. Additionally, it highlights five key tests that plant managers should consider carrying out. By re-acquainting themselves with the fundamentals of steam, plant managers can build the requisite knowledge to identify areas of improvement within plant and thus boost efficiency."

He added: "It is my hope that this guide will serve as a useful reference tool for plant managers, particularly when it comes to that all-important plant upgrade. We could all benefit from a reminder on the fundamentals of steam from time to time. If the advice in this guide is followed, plant managers will find they can enhance their steam operations in no time."



Call for greater asbestos awareness

The UK Asbestos Training Association (UKATA) is urging all public sector employees – including those in NHS hospitals – to be 'asbestos-aware' to better manage 'the ticking time-bomb' in thousands of public buildings.

UKATA warns that a lack of knowledge about the 'killer building material' is putting workers and users of these buildings at risk of fatal lung cancers. The Association warns that that properties built or refurbished before 2000 – and especially those built in the UK between the 1950s and 1980s – may contain asbestos, and that, despite having been banned as a building



material in 1999, asbestos causes around 5,000 deaths in the UK annually, 'giving us one of the highest rates of mesothelioma globally'. Over 90% of NHS Trusts say asbestos exists in their buildings.

Craig Evans, UKATA COO (pictured), explained: "Financially it is not always an option or necessary to remove

asbestos from buildings which contain it. However, people need to be aware of the presence of it, and, more importantly, of how to manage it. Asbestos awareness is critical, which is why we advocate all employees within the public sector receiving asbestos awareness training."

Healthcare sanitaryware specialist celebrates 100 years

This year Pland Stainless will mark 100 years in British manufacturing.

Established in 1919 on the Lower Wortley Ring Road site in Leeds where it still operates, Pland says it has 'some exciting plans for the year suitably mark the occasion'. On its formation the business was the Taylor File & Tool Company, but in 1926 changed its name

to Taylor Rustless Fittings, as it switched to producing stainless steel butchers' fittings. In 1936 it became the Stainless Steel Sink Company, reportedly the first UK company to produce stainless steel sinks for the catering/domestic markets. In 1993 it became part of The Spring Ram Corporation, moving its domestic stainless steel sink production to Malta, while in

the UK, it evolved to become a key commercial supplier.

In 2000 Pland became independent again, and in 2008 the management team acquired the business. The company said: "Throughout the years the business has continued to employ and train skilled engineering personnel to manufacture robust, well-engineered products."

Adey launches dedicated Commercial Division

Global water treatment and magnetic filtration manufacturer, Adey, has launched a new Commercial Division, 'dedicated to providing a complete package of water management solutions and services for commercial heating and cooling systems'.

Headed by MD, Ian Roberts (pictured), it will 'bring together commercial industry experts with a dedicated and experienced sales team'. Adey explained: "Together they are focused on driving the adoption of magnetic filtration technology, chemical water treatment, and chemical and microbiological water testing, to benefit large-scale and complex systems." Ian Roberts added: "Adey Commercial provides a complete service. Our team of external sales managers is qualified to discuss with



specifiers, contractors, and distributors, the advantages of magnetic filtration and associated sealed system equipment in the commercial sector.

"We know that effective magnetic

filtration brings benefits for every system type - from small domestic, to large commercial. While the maintenance of larger systems has typically remained very traditional, slowly those responsible for these systems are recognising the benefits that magnetic filtration provides, especially when adopted as part of a comprehensive water treatment and maintenance programme. Given the size of these systems, they could reap the biggest benefits from the use of magnetic filtration."

Adey's 'comprehensive range' of magnetic filters includes MagnaClean Commercial filters available in 2, 3, 4, 6, and 8 inch sizes, the MagnaClean DualXP, and new MagnaClean DRX. Customers can also benefit from a comprehensive range of water treatment chemicals, and chemical and microbiological testing.

'Sharp rise' in temporary handwash hires

The Teal Task Force service - which supports medical environments with 'high quality' hot water hand washing sinks, delivering units to site to meet demand as a result of unplanned or planned water supply interruptions - says that while the winter season has always generated high demand for the hire service, it has seen 'a significant increase' over the last three months.

Teal Patents explained: "There is particular demand growth from locations where the mains water supply has had to be suspended for maintenance or refurbishment. In the past managing this has been challenging, but with the Teal service available at short notice, wards can continue functioning normally with a hygienic, safe, hot water alternative."

Teal recently supplied a maternity ward at the United Lincolnshire Hospitals NHS Trust, Noel Doyle, Teal Task Force manager, said: "We were contacted by the hospital to cover a short early morning period when plumbing work was planned. The Infection Control team was adamant that it needed a sink for every bed in the ward."



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Plans for ‘world-leading’ south London cancer ‘hub’

Plans to develop a ‘world-leading’ cancer research hub in south London have taken a major step forward.

The London Borough of Sutton has purchased a further 0.38 hectares of NHS land on the site of The London Cancer Hub – a partnership with The Institute of Cancer Research, London described as ‘one of the UK’s most significant regeneration projects’.

Finalising the land deal has opened the way for the Borough – which has invested £2.199 million in the final portion of land on the site, taking the total to £30.299 million – to seek a development partner for a £350 m life science campus. The Hub ‘aims to be a global centre for cancer innovation’, bringing together scientists, doctors, life science companies, patients, and the local community. It is led by the London Borough of Sutton and The Institute of Cancer Research (ICR), and supported by the Royal Marsden NHS Foundation Trust and The Mayor of London. The land purchased reportedly offers the potential to accommodate up to 100,000 m² of new space on the life science campus. The aim is for private enterprises to share the site with the ICR and The Royal Marsden – ‘intensifying collaboration’. A tender process has opened for a development partner to take the lead on masterplanning, raising of development finance, procurement of third-party contractors, and marketing to occupiers.



The Hub aims to create ‘a vibrant community of scientists, doctors, and innovative companies’, supported by research facilities, and community amenities including a secondary school. The initiative is expected to create 13,000 jobs, and to ultimately contribute £1.2 billion to the UK economy annually.

Professor Paul Workman, CEO of The Institute of Cancer Research, London, said: “There has been an explosion in our knowledge of cancer over the last decade, and we’re seeing the fruits in a succession of exciting new treatments. But there is still much more to do to translate research advances into innovative cancer treatments – and part of the answer is to stimulate intensive collaboration between academia and industry. I’m incredibly excited by the potential of The London Cancer Hub to spark creativity, innovation, and collaboration, and to take many more exciting new cancer treatments through to patients.”

Polyflor launches adhesive-free flooring

Polyflor’s new Polysafe QuickLay is a loose lay safety flooring designed for adhesive-free installation.

The company said: “Designed to be a practical choice for contractors and specifiers alike, Polysafe QuickLay is a temporary or permanent floorcovering which achieves the same performance and durability as other Polysafe flooring collections, but with the added benefits of adhesive-free installation. The specially formulated studded emboss on the underside works as a barrier – allowing moisture to escape from the sub-floor – facilitating installation over new concrete floors of up to 97% RH. The unique double-sided Polysafe Quicklay tape is fitted around the room’s perimeter, underneath all seams and doorways, securing the flooring in place.”

Polysafe Quicklay features a contemporary design in 12 shades, with a matt surface finish. Polyflor says it provides a decoration suitable for dementia-friendly environments, supported with the University of Stirling’s Dementia Services Development Centre accreditation for the full collection. It added: “The Polysafe QuickLay collection performs exceptionally well, with 10 colours achieving the highest 1a rating, and two achieving 1b.”

Polysafe QuickLay features ‘the renowned’ Polysafe polyurethane reinforcement (PUR) cleaning enhancement. Cross-linked and UV cured, Polysafe PUR is ‘a super strength reinforcement designed to facilitate cleaning, while providing optimum appearance and colour retention, and improved soil release’.



Help addressing winter pressures

A Foundation Trust is addressing winter pressures with the addition of a mobile theatre unit, which it says will help it increase its operational capacity by an estimated 120 procedures a month.

Northern Lincolnshire and Goole NHS Foundation Trust (NLG) took delivery of the Vanguard Healthcare Solutions mobile theatre at Goole and District Hospital in early November, and it became fully operational later that month. It is helping the Trust to carry out an extra 30 operations a week, and will be used for urology, gynaecology, and general surgery. During its six months on site, over 700 people should benefit. Designed and built by Vanguard, the theatre provides an anaesthetic room, operating theatre, scrub area, a two-bed first-stage recovery area, HEPA-filtered environmental air, integrated medical gas banks, changing room, and utility areas. Members of the Vanguard clinical team



are supporting the Trust’s own surgeons and anaesthetists.

The new theatre has been installed to the side of the main hospital next to the staff car park, and is linked to the main building through a bespoke and purpose-built link corridor.

Shelley Bradburn, theatre sister at Goole Hospital, said: “The clinical team here at the hospital have welcomed the additional facility, and it means we can see more patients, and will hopefully, over the winter, not see procedures having to be postponed or cancelled.”

Long Term Plan aims for ‘NHS fit for the future’

The NHS Long Term Plan, launched on 7 January, sets out how the £20.5 billion budget settlement for the NHS, announced by the Prime Minister last summer, will be spent over the next five years, and includes measures to prevent 150,000 heart attacks, strokes, and dementia cases, as well as to provide better access to mental health services for both adults and children.

The Department of Health and Social Care says the Plan ‘focuses on building an NHS fit for the future’, by:

- enabling everyone to get the best start in life;
- helping communities to live well;
- helping people to age well.

It has been developed in partnership with frontline health and care staff, patients, and their families, with the aim of improving outcomes for major diseases, including cancer, heart disease, stroke, respiratory disease, and dementia. The

Plan includes measures to:

- improve out-of-hospital care, supporting primary medical and community health services;
- ‘ensure that all children get the best start in life’ – by continuing to improve maternity safety, including halving the number of stillbirths, maternal and neonatal deaths, and serious brain injury, by 2025;
- support older people through more personalised care and stronger community and primary care services;
- ‘make digital health services a mainstream part of the NHS, so that in five years, patients in England will be able to access a digital GP offer’.

Health and Social Care Secretary, Matt Hancock, said: “The NHS Long Term Plan, backed by a historic commitment of an extra £20.5 billion a year from taxpayers, marks an important moment not just for the health service, but for the lives of millions of patients and hardworking NHS

staff across the country. Whether it’s treating ever more people in their communities, using the latest technology to tackle preventable diseases, or giving every baby the very best start in life, this government has given the NHS the multi-billion-pound investment needed to nurture and safeguard our nation’s health service for generations to come.”

With the Government having made much in the past 3-4 years of its determination to give parity to physical and mental healthcare, the Plan also includes a promise to spend at least £2.3 bn more a year on mental healthcare over the next five years, ‘expanding support for perinatal mental health conditions, increasing funding for children and young people’s mental health, helping 380,000 more people get therapy for depression and anxiety by 2023/24, and delivering community-based physical and mental care for 370,000 people with severe mental illness a year by the same date’.

Opening for ‘one of Europe’s largest endoscopy centres’

The Gastroenterology Department at the Norfolk and Norwich University Hospital (NNUH) has moved some of its services to the Quadram Institute (pictured), a multi-million pound facility on Norwich Research Park, which will now be home to a range of endoscopy and bowel cancer screening services.

In its new location the Department will be able to conduct at least 40,000 procedures annually, making it one of Europe’s largest endoscopy centres. Dr Simon Rushbrook, clinical lead for Gastroenterology at NNUH said: “We are excited to be starting our endoscopic service in this state-of-the-art building. The Quadram Institute is a unique institution, bringing together a busy NHS department with scientists and researchers in a ground-breaking



collaboration. It will result in quicker access to endoscopic diagnostics for patients, and rapid access for the

diagnosis or exclusion of gastrointestinal cancer.”

The Quadram Institute’s ‘mission’ is ‘to develop solutions to worldwide challenges in human health, food and disease’. It has been created by the NNUH, the University of East Anglia, Quadram Institute Bioscience, and the Biotechnology and Biological Sciences Research Council (BBSRC) – ‘to work across four research themes’: the gut, healthy ageing, food innovation, and food safety.

The 10-room endoscopy centre will be run under a ‘vendor-neutral’ managed service agreement between NNUH and Genmed, working in partnership with Olympus, which will provide ‘the latest medical devices’, together with a seven-year maintenance contract.

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