

Health Sector News

Storage systems' efficiency favoured by Belfast Trust

Healthcare storage solution specialist, Medstor, says it is mid-way through a major project forming part of the redevelopment of the Royal Victoria, Belfast, one of four linked hospitals on Northern Ireland's largest hospital complex.

The company is reportedly the only one contracted to supply modular storage systems to the Northern Ireland Health and Social Care Service – it was first awarded the contract for the implementation of electronic materials management over 15 years ago, and has held it consistently ever since. In the many years it has worked with the Belfast Health and Social Care Trust – which operates the Royal Victoria – Medstor has been involved in five major new-build projects on the complex, and many refurbishments, establishing what it says is an 'outstanding relationship' with the Trust.

After completing work on the Accident and Emergency department at the Royal

Victoria – including fitting out an interim A&E to operate during building work – Medstor moved on to the new Critical Care building, due to open this year, and equipped throughout with its 'practical and stylish' HTM 71 storage cabinets, which integrate with its system of liners and trays, and 'fit seamlessly to improve hygiene, creating the most productive working environment for healthcare staff'.

Controlled drug safes, long span shelving for bulk storage, and a wide range of trolleys, each designed for a specific purpose and environment, are among the other equipment Medstor has installed. As staff at the hospital are used to working with its products, the training necessary to use the new equipment has been minimal.

Heather Lowry, commissioning nurse for Theatres and Critical Care at the Trust, said: "We have used Medstor storage systems extensively throughout the Critical Care building, and are extremely impressed with the professional service



and expert advice we have received – from the initial procurement to installation and follow-up.

"The commissioning of the new A&E was particularly challenging, due to the limited time between handover and the department's planned opening in August 2015. The Medstor installation team worked closely with the commissioning team to coordinate the delivery and installation of the furniture to fit in with all the other commissioning activities ongoing at the time. The work was completed on time and to a very high standard, ready to be stocked up for the department to open. The Medstor units installed in the A&E have enabled the clinical team to improve the way it stores and manages consumable goods, with essential supplies stored in a well-organised and easily accessible manner."

Cover Story

Bender Remote Assist – safe and secure 24/7 service

Bender's Remote Assist web-based management system delivers instant monitoring of electrical installations, enabling proactive maintenance and 24/7 access to Bender experts for immediate response to faults any time, in any location.

Remote Assist consists of two elements: the service platform and the Gateway COM700RA. Together they provide full functionality, while flexible system architecture means the service can be tailored to customer requirements.

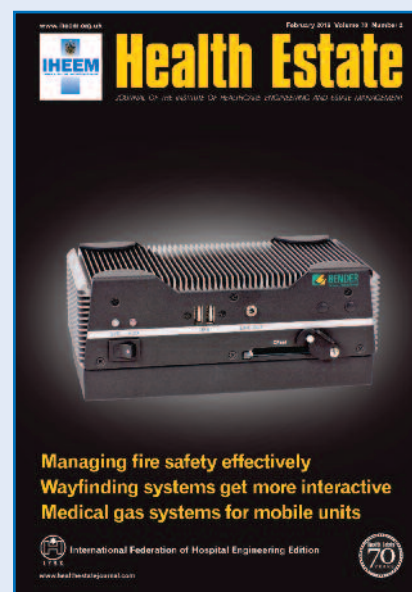
The platform provides a safe and reliable remote access link by eliminating the direct connection between the network of the user and that of the system operator. They are separated by Remote Assist, which ensures that each connection is established separately and is valid for a specific user and electrical installation. Secure connection is only possible with

the necessary rights and authorisation.

When an error or a technical issue occurs, this information transmits to Bender's technical support team, who can remotely log into the system, implement diagnosis and failure analysis, and offer immediate support. If the problem cannot be solved remotely in consultation with the client, Bender service engineers can be deployed to assess and rectify the fault.

All platform and access activities are logged and available via the web interface or automatically notified by email. Availability of the installation's web connection is continuously monitored to guarantee total functionality at any time.

The system is proven in use and can be built into new equipment or retrofit installations. It can be utilised in service regimes, thus offering technical and commercial advantages and potentially reduces the need for engineers to attend site. Visit bit.ly/1PLVADF for information.



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An 'oasis of calm' for cancer sufferers in Oxford

Set in a site of special scientific interest, the Patricia Thompson Building for Maggie's Cancer Centre in Oxford has been designed around a treehouse concept.

The main entrance, built on stilts, is approached via a land bridge, and features a pair of integrated all-glass system (IGG) swing doors, each powered by a TSA 160 UFO underfloor operator from GEZE UK. Designed by architect, Wilkinson Eyre, the building was shortlisted for the World Architecture Festival Awards 2015.

The IGG system was specified because the profile and fittings are integrated invisibly between the panes of glass, so there are no bulky or visible elements on the surface. Simultaneously, the TSA 160

UFO is concealed under the floor, meaning neither the operators nor the doors detract from the overall design of the centre, which, thanks to its expansive glass facades, gives panoramic views of the trees. The TSA 160 UFOs are tamper proof, easy to maintain, 'virtually silent in operation', and can operate door leaves weighing up to 120 kg. The doors feature a push button for accessibility, and a solenoid bolt lock to control access.

To the building's rear, GEZE installed a second single IGG swing door as a fire escape – fitted with a TS 550 NV floor spring and a solenoid bolt lock. The TS 550 NV aids closing of swing doors and, apart from the cover plate, is completely hidden from view.

Trunking specialist's multi-million pound investment programme

Cable management manufacturer, Marshall-Tufflex, has announced a multi-million pound investment programme in tooling, plant, automation, and customer services, at its Hastings production facilities and headquarters.

A leading producer of cable trunking for healthcare installations, the company says the programme will deliver improvements in its 'already high levels' of customer service and product quality.

Marshall-Tufflex has taken delivery of a 3D printer (see photo), now an integral and important part of its product development process, and three injection moulding machines, to improve production flexibility and cut cycle times.

The company has recently been recognised by the BSI as a firm of Assessed Capability to BS EN ISO 50001:2011 and BS EN ISO 14001:2004.



It is now 'gearing up' for the introduction of BIM across government projects during 2016, and investing in IT infrastructure to improve ordering/delivery, and a new telephone system. It has also announced improvements in its Same Day Collection service for electrical distributors, which has been extended, with longer opening hours.

News In Brief

Altro's German acquisition

Richard Kahn, CEO of premium walling and flooring manufacturer, Altro, has announced the acquisition of Debolon, a premium vinyl flooring manufacturer based in Dessau, Germany. He said: "This acquisition is fully aligned with our company strategy, core values, and vision. Altro and Debolon share very similar cultures. Sustainability, innovation, quality, and customer relationships, are central ideals in both businesses. Coming together in Germany will mean that we can offer an even wider product portfolio and choice to our customers."

Parking specialist's change of name

VINCI Park UK, the 'bespoke parking solutions provider', has changed its name to Indigo. The company said: "As Indigo, we will continue to provide dynamic, adaptable, and flexible parking, working with clients to deliver intelligent, integrated, and bespoke solutions. Indigo will offer the most comprehensive and advanced global parking network, with car parks that can adapt and cater for the needs of each location and its users." VINCI Park underwent a change of shareholders in 2014, when two new companies – Ardian and Prédica – purchased stakes in its equity.

Kawneer extends Balfour Beatty partnership

Kawneer has renewed its preferred supplier status with Balfour Beatty, one of the UK's largest construction companies, signing a new UK-wide supply chain framework agreement to the end of 2017. As a framework partner, Kawneer will continue to provide Balfour Beatty with comprehensive design, technical, value engineering, and installation assistance for the supply of curtain walling, window, door and framing systems, on a wide range of healthcare, residential, commercial, education, leisure, and industrial building projects.

Pland to supply new Royal Liverpool Hospital

Pland Stainless has been appointed stainless steel supplier for the new Royal Liverpool Hospital – scheduled to open in 2017. The company, which recently joined the 'Made in Britain campaign' to promote its British manufacturing base, will supply stainless steel sinks, slop hoppers, janitorial units, and scrub-up troughs.

Proton beam therapy milestone marked

Work has begun on what will be the UK's first high beam proton beam therapy cancer treatment centre – at Celtic Springs Business Park in Newport, South Wales.

Edwina Hart, the Minister for Economy, Science and Transport for the Welsh Government, visited the site to mark the beginning of the renovation of a former clinic to create the centre – which is expected to be operational by 2017. Proton Partners also plans building centres in Northumberland and London, each able to treat up to 700 patients annually. The investment by Proton Partners International – headquartered in Wales – was supported by the Wales Life Science Investment Fund established by the Welsh Government, and managed by Arthurian Life Sciences.

Mike Moran, chief executive, Proton Partners International (pictured with Edwina Hart), said: "Our centres will offer proton beam therapy, imaging, radiotherapy and chemotherapy – delivering a fully comprehensive level of cancer care tailored to fit the different needs of each patient. Later this year our Newport centre will be able to start treating patients with traditional radiotherapy, with proton beam therapy becoming available in 2017." To symbolise the links between sport and wellbeing, a sculpture of Olympic double gold medallist, Dame Kelly Holmes, was unveiled, and the ITF Wales Taekwon-Do team was in attendance.



AE services and compliance advice on offer

A specialist company that offers independent Authorising Engineer services, primarily for electrical systems, but can also provide guidance on compliance in areas including lifts, water, ventilation, fire, and pressure systems, has been launched.

Health Engineering Services FM ('HESfm': enquiries@hesfm.uk) has been established by IHEEM Council member and chair of the Institute's Electrical Technical Platform, Mark Richards, a Chartered Electrical Engineer, Authorising Engineer, and CDM professional with over 30 years' experience as an electrical design engineer,

technical author, and CDM advisor/principal designer, in both construction and engineering services.

Services offered include:

- Establishing and maintaining company policies and procedures in respect of safe systems of work.
- Provision of technical and engineering support to help clients meet their obligations under current legislation.
- Management and delivery of compliance auditing and monitoring associated with the HTMs, and management auditing and monitoring of FM providers on clients' behalf.

- Compliance audits on critical safe systems of work.
- Helping clients identify improvement potential within the operation and management of site infrastructure.
- Design of building services installations and subsequent contract management.
- Supporting technical services, incident investigation, discrimination studies, condition surveys, partial discharge surveys, earth testing, commissioning services, and witness testing of electrical switchgear.
- Provision of CDM advice to clients/acting as principal designer under CDM 2015.

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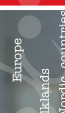


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System to prevent falls from beds being developed

Lancaster-based Rinicare has received £99,694 through the Small Business Research Initiative for Healthcare (SBRI Healthcare) to develop a system to prevent older patients falling from their beds.

Its 'SAFE' system combines a thermal imaging sensor and bespoke algorithms to detect changes in a patient's position in a hospital-style bed, and send early warning messages to clinicians, so that action can be taken to prevent a fall.

During phase one of the technology development, Rinicare will be fully supported and funded to demonstrate the technical feasibility of its proposed concept for a six-month developmental stage. If found to offer value and technical feasibility, the system will progress to

phase two, where it will be supported to take the scheme through to commercialisation. The company will develop SAFE in cooperation with The University of Manchester and The University Hospital of South Manchester.

Professor of Primary Care and Community Health, Chris Todd, from the University of Manchester, said: "There are over 200,000 falls in NHS acute hospitals every year. Patients over 65 admitted for medical and surgical treatments are at increased risk of falling while in hospital. We are collaborating with Rinicare, which is developing this device, because we hope it will help NHS staff to monitor patients' risk as it changes, and alert staff to intervene to prevent falls."

Appointments facilitate growth

A manufacturing company which specialises in protecting doors, people, and places, has consolidated its ongoing growth with the appointment of an experienced business development manager for its South West Region, covering Birmingham, Mid and South Wales, and South West Counties, a production design engineer, and a trainee finance co-ordinator based at its head office.

Doncaster-based Intastop has welcomed Paul Rimmer (pictured), from Pontypool, South Wales to its field sales



team to allow further expansion and market penetration in his designated area, James Clark as production design engineer – in a role in which he will support the team in delivering new concepts and products to market, and Kiran Dutt, to its finance team.

Marketing director, Sarah Barsby, said: "The trio have joined us at a very exciting time as we continue to grow our product portfolio with the recent launch of our exciting and revolutionary new iVision product, with more new products planned for 2016".

Bedside terminals capture patient perceptions for Picker Institute

A new benchmarking survey initiated by point-of-care systems provider, Hospedia, harnessing the company's Bedside Terminals, and designed and run by Picker Institute, an international charity 'dedicated to the pursuit of health and social care quality improvement', has successfully gathered near-real-time patient feedback from 75 UK NHS Trusts.

Since May 2014, over 70,000 responses have been received relating to 'overall patient satisfaction', covering key areas of communication, confidence and trust, staff availability, staff introducing themselves, patient involvement, privacy, and respect and dignity. Hospedia says the initiative has provided 'a unique opportunity for Trusts to monitor and

externally benchmark their near real-time performance nationally'.

It added: "Our bedside units have provided an ideal platform for collecting patient feedback, and have played a major part in The Confidence in Care Benchmarking Survey's superior combination of guaranteed confidentiality, ease of use, immediate submission of responses, low possibility of response bias, and minimum burden to staff."

The frequently updated results are accessible 24/7 on the 'Picker Results' online reporting system. The software offers login security and guarantees confidentiality for Trusts; at any time hospitals can compare how they are performing against their NHS counterparts, and highlight areas requiring improvement.

Diary dates

17 February IHEEM South-West Branch presentation on *Medical Locations and Healthcare Electrics: Part 2*, with speaker, Richard Knight, Gleeds offices, Bristol. To confirm attendance, E: john.ford@gleeds.co.uk T: 0117 317 3200.

25 February IHEEM North-West branch AGM and presentation on 'the Wiring Regulations Amendment 3' by Peter Handforth, Tameside General Hospital. T: 0161 331 6707, E: gareth.llewellyn@tgh.nhs.uk

23 February and 1 March, IHEEM and NAHFO 'Working Together for Safer Healthcare' fire safety seminars, at The Institute of Materials, Minerals and Mining, London, and at Eastwood Park, Falfield, respectively. T: 023 9282 3186, E: c.willcock@iheem.org.uk

25-26 February *Infection Control, Sterilization & Decontamination in Healthcare*, London. For more information, E: ajay.nimbalkar@mmmconferences.com

8-10 March *Ecobuild 2016*, ExCeL London. www.ecobuild.co.uk

16 March IHEEM South-West Branch presentation on *Designing for Generator Maintenance* by Leigh Preece of Power Electrics, Gleeds offices, Bristol. T: 0117 317 3200 E: john.ford@gleeds.co.uk,

17 March IHEEM North-West branch presentation on 'Heat distribution metering in multi-occupancy buildings' by Pegler, at Arup offices, Manchester. T: 0161 331 6707 E: gareth.llewellyn@tgh.nhs.uk

18-19 April IFHE 24th International Congress, World Forum, The Hague. T: +31 1836 46332 www.ifhe2016.nl

20 April IHEEM South-West Branch presentation on *Maintaining Water Systems Free from Waterborne Pathogens* by Lee Bainbrigg, SMS Environmental, Gleeds offices, Bristol. T: 0117 317 3200 E: john.ford@gleeds.co.uk

21 April IHEEM North-West Branch visit to *Electricity North West Area Control Room*, Manchester. T: 0161 331 6707 E: gareth.llewellyn@tgh.nhs.uk

26-27 April *Hospital Innovations 2016 Exhibition & Conference*, Olympia, London. T: 01892 518877; E: hospital-innov@stepex.com www.hospital-innovations.com

17-18 May *Design in Mental Health 2016, National Motorcycle*, Birmingham. T: 01892 518877 www.designinmentalhealth.com

4-5 October *Healthcare Estates 2016*, Manchester Central. T: +44 (0)1892 518877 www.healthcare-estates.com



Quiet space for parents of sick children

Icopal's Monarfloor Tranquilt lightweight acoustic isolation system for floating screeds has helped create a peaceful environment within The Sick Children's Trust's Scott House, an on-site 'home from home' for family members of sick children being cared for at the Freeman Hospital in Newcastle upon Tyne

Tranquilt, a lightweight acoustic isolation system for floating screeds, was selected under the E-FC-11 specification of the 'robustdetails' scheme – 'the alternative to pre-completion sound testing for satisfying Part E of the Building Regulations'. Sub-contractor, EDS Floors, proposed the system to complement its own 'Alphaflow' flowing screed, on the basis that, in combination, the two can 'equal or better' the performance of other acoustic systems.

Icopal says Tranquilt is significantly lighter than rubber matting, 'putting less strain on installers', while 'with superior dynamic stiffness and acoustic isolation', it reduces impact and flanking sound transmission within pre-cast and *in-situ* concrete separating party floors by forming an isolation layer between sub-floor and finished screed. Via the combination of Tranquilt and Alphaflow screed, the floor was ready to be worked on within 24 hours, saving main contractor, Brims Construction, time and money.

Programme to drive 'smarter' energy use in buildings

Honeywell and demand response aggregator company, Pearlstone Energy, have teamed up to provide a 'smart grid programme' for industrial and commercial facilities in the UK, including hospitals.

The programme aims to reduce energy bills, help improve country-wide power reliability, and meet carbon reduction commitments. Pearlstone Energy will pay participants to reduce their energy consumption for short periods when electricity demands exceed availability. It will partner with Honeywell to identify short-term energy reduction measures in buildings, and, having conducted site audits to assist in the design of these measures,

will provide the technology to automate these reductions, free, to the facility owners.

The programme's centrepiece is Honeywell's Demand Response Automation Server (DRAS) software-as-a-service (SaaS), which allows Pearlstone Energy to 'communicate' with buildings to trigger pre-specified short-term energy reduction measures during peak demand, or peak pricing periods, when buildings are charged more for their energy. Pearlstone can then aggregate the resulting energy reserves and seek to apply them toward grid stabilisation efforts, by tendering for National Grid's Short Term Operating Reserve (STOR) service.



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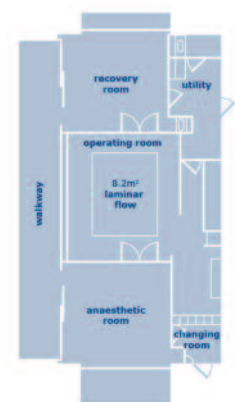
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