

Ensuring IV medication safety

CAREFUSION infusion technologies combine one of the leading IV medication safety systems (Guardrails) and a broad portfolio of clinically differentiated IV sets and accessories. The company offers a comprehensive portfolio of infusion products, helping address two of the most significant issues affecting healthcare providers and patients today: medication errors and healthcare-associated infections (HCAIs).

The company's new service contract portfolio, known as 'Care Plans', comprises six service products – ranging from basic to



comprehensive, and the CareFusion Technical Training Solution, combining both experienced trainers and educational tools.

Solutions to improve outcomes

INSPIRATION HEALTHCARE is a supplier of medical solutions that improve outcomes and the quality of life for the



patients that need them. The company is an expert in neonatal intensive care, paediatric intensive care, adult intensive care, specialist anaesthesia and ambulatory infusion devices, among many

other areas of care.

In addition to other technical services, the company offers servicing on any BioMed, Bird or Sechrist Blenders, with loan blenders available free-of-charge and service exchange blenders available when required; which is particularly relevant for infant flow drivers and infant warmers, to minimise the time the equipment is out of use.

Inspiration Healthcare's product range is supported by a range of technical and educational programmes and 24/7 expert clinical support.

Medical regulators, flowmeters and suction devices

OXYLITRE will be displaying its ranges of medical regulators, flowmeters, P/L suction, electrical suction, portable suction, injector suction, entonox and oxygen demand systems, HP hose assemblies, twin adaptors, pipeline probes and accessories, and cylinder carrying/retaining accessories. Oxytitre has been designing, manufacturing, servicing/repairing medical products for over 50 years. It also provides comprehensive national on-site service/repair packages for all medical environments.

Extensive lighting range

MGC has been a distributor to the health sector for 15 years. The company supplies a range of lighting products suited to a host of specialist medical and scientific environments, from operating theatres and diagnostic equipment to veterinary practices and research centres. It also supplies lamps for specialist UV applications and fibre optic light guide cables for surgical procedures.



Multi-vendor probe repair service

GE HEALTHCARE has launched a multi-vendor probe repair service in the UK and Ireland, offering repairs across all major brands such as GE, Philips, Sonosite, Toshiba, Siemens etc.

Using 'FirstCall' diagnostics technology, while holding a large European loan stock, the company offers a quality repair while promising the highest levels of uptime for hospitals' ultrasound equipment. In accordance with its ISO 9001:2008 and 13485:2003 QMS registrations, GE Probe repair helps to provide a high quality service coupled with a six month warranty.

Medical devices asset management

REAL ASSET MANAGEMENT's (RAM) Maintenance5000, provides a tailor made and user friendly, medical devices asset management solution for the NHS.

Maintenance5000 is an all-inclusive solution offering the following features:

- Centralised medical device register.
- Equipment library.
- Planned maintenance.
- Reactive maintenance.
- Contract maintenance.
- Trust-wide helpdesk/work requester.
- Document management.
- Stock control.
- Purchase ordering.
- Mobile maintenance (laptops, iPad's, PDA's, Android).
- Online access for wards and their equipment registers.
- Graphical KPI's and reporting for easy analysis.



Patient simulation and monitoring technologies

PROACT MEDICAL will be providing a demonstration of the SimSlim and SimCube – the latest multi-parameter patient simulator from Pronk Technologies. Also on display will be the Bridge range of SpO2 Sensors. Made from specially selected medical grade materials, Bridge

Sensors are latex free and conform to the biocompatibility standards of the medical industry. High quality electronically matched optics ensure full compatibility with the original manufacturers' monitor. Confident of the reliability and durability of Nonin Pulse Oximetry products, the company also now

offers a five-year 'drop inclusive' warranty on all finger and hand held oximeters. In addition to the standard warranty, this also covers the unlikely event of failure after being dropped from a standard operating height and includes a free of charge loan model, while the unit is being repaired.

Safer systems for infusion therapy

B. BRAUN MEDICAL is committed to improving patient safety and reducing the incidence of avoidable medication errors to meet NHS Domain 5 objectives. Some 138,117 medication errors were reported to the NHS NRLS in one year (April 2012-March 2013). However, there is significant under reporting and estimates are closer to half a million medication errors at the point of care each year. Around 38% of medication errors occur at the administration stage of the medication process.

B. Braun DoseGuard prevents an under/over-dose by limiting the infusion range for each drug type and concentration, actively preventing medication errors. It also records every hard and soft limit event for audit of compliance and optimisation of drug limits and training. B. Braun Space Online



Suite simplifies safe and efficient infusion management throughout hospitals, with real time upload and download of all infusion data.

Ensuring effective pulse oximetry calibration

THE ELECTRODE COMPANY has specialised in pulse oximetry for over 25 years and developed some of the early patents in pulse oximetry. The company currently designs and manufactures pulse oximetry calibration technology for checking pulse oximeter sensor accuracy. Recent research has shown that patient outcomes can be improved by checking pulse oximeter sensor accuracy.

Contrary to the practice with most other medical devices, pulse oximeter accuracy and calibration is rarely checked. However, in the UK, surveys and audits of pulse oximeter sensors show that about

one -in-three are not suitable for use. The international standard recognises that there is widespread confusion regarding methods of checking accuracy. Many users and engineers mistakenly believe that simulators and functional testers check accuracy – but they do not and cannot.

The company specialises in hand held spectrometers, known as the Lightman range, which are capable of assessing the accuracy of pulse oximeter sensors.



Device repairs

RENOVA SURGICAL specialises in the repair of surgical devices – from orthopaedic power tools to flexible and rigid endoscopes. Its parts are engineered by qualified engineers utilising engineering facilities that design and manufacture all parts to exacting standards using the same techniques and materials that the device was originally designed with. This is model specific, ensuring a long lasting repair. The company's aim is to provide high levels of quality in surgical device repair, to the NHS and private sector hospitals, while offering savings to customers, compared to originating company charges. The use of cutting-edge technology enables production of precise parts to order, on time, every time.

Improving safety and quality

ECRI INSTITUTE is an independent, not-for-profit health services research agency, whose mission is to improve the safety, quality, and cost-effectiveness of healthcare. ECRI's focus is healthcare technology, healthcare risk, quality management and patient safety. It provides information services and technical assistance to more than 5,000 hospitals and healthcare organisations, worldwide.

Its membership programmes include, web based services, medical device/medical technology evaluation and guidance, health technology assessment information, biomedical benchmarking tools, applied scientific research in healthcare, the *Health Devices Journal* (monthly publication), medical device specifications, plus procurement support and advice.

Cost-effective equipment and repair services

TENACORE UK has been supporting EBME departments throughout the NHS with quality and cost-effective equipment and repair services since 2011. As a service provider, Tenacore works with EBME departments to support them with repairs performed both in-house and out. The company is able to repair, exchange, and offer replacement parts for SpO2 products, CTG transducers, oxygen blenders, bedside monitors, modules, telemetry transmitters, infusion pumps, ultrasound probes, and flexible and rigid endoscopes.

In addition to repair services, Tenacore offers new oxygen blenders, blender overhaul kits, and flowmeters as well as OEM compatible CTG transducers and ECG/EKG cables. Tenacore is committed to quality, and quality control inspections are performed on all finished devices and repairs using test equipment calibrated at specific intervals and traceable to NIST standards.

Safe, simple infusion pump

The **ARCOMED** Chroma series of infusion pumps are designed to offer simplicity, featuring an icon-based touch screen. Intuitive, clear design features help ensure high levels of safety, along with MedMarker drug colour coding to ISO26825/DIVI.

The UniQue CONCEPT, infusion data management system, is said to improve safety by ensuring the correct patient gets the correct medication at the correct time. Due to a sophisticated, yet simple to use barcode technology, medication errors can be significantly reduced. The system has bi-directional communication, which enables infusion pumps to not only send data to a central system, but also to receive data from a central system.

The company's infusion pumps are suitable for use in ITU, oncology, anaesthetics, pain management, neonatal, paediatric and other clinical areas.



Precise patient temperature management solutions

CHARTER KONTRON provides a precise, non-invasive means of regulating patient temperature in critical care, A&E and operating areas, providing controlled mild hypothermia or normothermia, as required.

The CritiCool patient cooling system is currently used in ICUs, PICUs and NICUs and A&E for controlled, induced mild hypothermia.

Allon 2001, specifically designed for maintaining normothermia, is a new introduction to the UK market but already has an established reputation worldwide for maintaining normothermia in extended OR procedures.

Specifically designed garments – Thermo Wrap, Cure Wrap, Cardiac Wrap and Universal Wrap – used with the systems provide three-dimensional body coverage for the best possible heat exchange between



patient and system. Maximum patient coverage ensures that core temperature is continuously and precisely managed, avoiding potential complications arising from undesired temperature fluctuations.

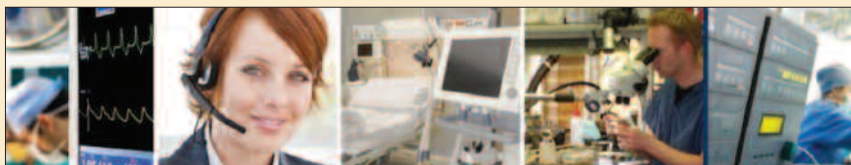
Biomedical engineering services

TBS GB is an independent quality registered equipment management company, providing procurement, user training, maintenance, and consultancy services to its clients. TBS GB, part of the TBS Group, recommends partnership agreements when it comes to service delivery and, for this reason, implements a transparent data management structure. This enables customers to monitor and track progress in real-time on the company's web-based asset management system. TBS GB offers the following biomedical services in the UK:

- Maintenance provisions.
- Technical audits.

- Financial audit.
- Field services.
- Asset management systems.
- Biomedical engineering department management.
- Telehealth and telecare services.
- A fully staffed 24-hour call centre in the UK.

The company equips all its biomedical engineering departments with the latest specification of device analysers and calibration devices. All printed reports are integrated into the asset management system for statutory record keeping. All workshops are fully equipped with 24 hr online terminals for round the clock device monitoring and call-logging.



Safe and efficient clinical practice

CME MEDICAL strives to make clinical practice safer and more efficient through innovation. A leading specialist in the infusion market, the company's infusion solutions are used in a wide variety of healthcare fields, including pain management, anaesthesia, nutrition and oncology. CME Medical offers ISO certified

technical support services, which are specific to customer needs, with flexible options available. It also offers a variety of training and education programmes for all of its infusion solutions and is said to have been the first infusion product company to obtain the Skills for Health Quality Mark for its training programmes.

Portable defibrillation and monitoring technology

A pioneer in portable defibrillation and monitoring technology for over 55 years, **PHYSIO-CONTROL** is committed to creating technologies and devices that change the way emergency care is provided, in order to improve outcomes. This year, the company will be highlighting the LIFEPAK 20e defibrillator/monitor with Code Management Module on its stand. Incorporating the LIFEPAK 20e device on the crash cart ensures access to a simple yet powerful lifesaving tool. With the Code Management Module, the 20e can also provide capnography, better inform post-event review for performance improvement and extend the hospital's resuscitation technology investments.



Medical batteries

EURO ENERGY is one of the UK's leading suppliers of original manufacturer and replacement medical batteries to the NHS, private sector and other healthcare organisations. The company supplies over 150 different original manufacturer medical batteries from many leading healthcare suppliers – including Cardiac Science, Carefusion, Draeger, Heine, Keeler, Mindray, Nihon Kohden, Philips, Physio Control, Riester, and Welch Allyn. They also supply original manufacturer ECG leads, SPO2 sensors, NIBP cuffs, electrodes and pads from Philips and Physio Control. Other manufacturers' products are available on request.



Independent biomedical equipment training

EASTWOOD PARK delivers independent accredited training for engineers responsible for maintaining and servicing biomedical equipment, as well as courses on electrical equipment safety testing. There is an opportunity to win £500 towards future training, for visitors to the stand. For those entering biomedical engineering, the organisation offers a comprehensive introduction for new engineers. A two-week residential course at the former National NHS Hospital Engineers' training centre, delivers a sound mix of practical and theoretical training, valued by many hospital engineers.



Measuring and weighing solutions

SECA, a supplier of medical measuring and weighing solutions, with over 170 years' experience, offers an enhanced range of wireless class III precision medical scales and height measurement solutions – known as Seca 360.

Seca's keyboard module software allows users to wirelessly transmit weight and height measurements directly to electronic medical record systems (EMR) – saving time and reducing the risk of data entry errors. It is compatible with all Seca 360 wireless devices. The software is available as a free download from www.seca.com

Patients' height and weight can be sent wirelessly from any Seca 360 device to a Welch Allyn Connex Vital Signs monitor for integration with the EMR.

Cutting-edge vital signs monitor

Established nearly 100 years ago, **WELCH ALLYN's** extensive product range spans everything from lighting to thermometry. The company is best known for its advanced vital signs equipment, which is constructed to ensure durability and a long lifespan, while minimising downtime. Capable of two-way wireless communication, the company's cutting-edge Connex Vital Signs Monitor (CVSM) is designed to help improve clinical workflow by increasing the accuracy of vital signs documentation and decreasing the time it takes to post vitals to the electronic medical record (EMR). The integrated, on-board wireless capability provides the ability to send the data to the EMR – anytime, anywhere. By future-proofing hospital investments, the CVSM is said to be suited to use in forward thinking hospitals seeking to improve staff efficiency and patient safety.



Medical gas equipment

MEC MEDICAL is a manufacturer and worldwide supplier of medical gas equipment for pipelines, hose assemblies, oxygen therapy, medical gas test equipment, anaesthetic gas scavenging systems (AGSS), suction, flowmeters, electric suction, regulators and more. The company's in-house machine shop utilises the latest CNC technology allowing it to cope with most manufacturing requirements. Coupled with in-house design, MEC Medical can adapt to its customers needs and requirements, enabling a fast response and enhanced customer service. All products are CE marked and carry a full warranty which is backed by a comprehensive range of spares.



Respiratory humidifier for intensive care

Continuous inspiration of dry gas can be a serious problem for the intensive care patient. To combat this, **INTERSURGICAL** has introduced the new 7000 Series respiratory humidifier, offering patients an additional comprehensive solution for active humidification of breathing gases, alongside its range of HMEFs.

Simple and intuitive, the device has several advanced features, including one touch mounting of a humidification chamber, IPPV/NIV/manual temperature selection, accurate alarm location and priority panel and a configurable LED display. With this launch, the company can provide respiratory support to adult, paediatric and neonatal patients ventilated by ET tubes, tracheostomy tubes or NIV interface. The device complements the company's broad range of intensive care products, including humidification chambers, single- and dual-limbed heated wire breathing systems and breathing filters.



Monitor trade-in scheme

Many theatre systems still use CRT monitors, which are becoming increasingly difficult to maintain and repair due to decreasing availability of spare parts. In view of this, **IMOTEK** has introduced a new monitor trade-in scheme. For example, a

trade-in discount of £900 will be offered on a Sony model LMD-2451MD 24" monitor. As well as offering savings, Imotek will collect and dispose of customers' old CRT monitors, under the WEEE regulations, saving time, trouble and expense.

Fast and affordable solutions

WALTERS MEDICAL aims to provide a smooth, transparent and seamless service experience for its customers. The company supplies ECG cables: compatible, genuine Nellcor, Masimo and GE SpO2 probes/adaptor cables; NIBP cuffs/hoses for most makes of monitor; as well as a range of colour-coded syringe labels; a bespoke label service; and

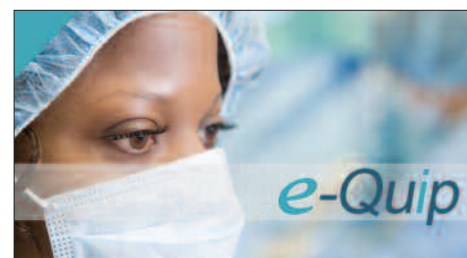


cable/equipment labelling.

In addition, the fixed price Monitor Module and Foetal Transducer Repair Service provides a simple, fast and affordable solution to help extend the life of items that would otherwise prove costly to replace. The company also stocks a comprehensive range of spare parts.

Device management solution

Available from **INTEGRA**, the e-Quip medical device management database solution is claimed to be powerful, flexible and cost-effective. With an up-to-date user experience based on Microsoft Office and features such as device user competences, training needs analysis, device decontamination recording and information governance, hospitals will be able to satisfy the most rigorous CQC and NHSLA audit says the company. This is in addition to the usual inventory, job, PPM, contract-management, stock control and medical device alert functionality. The configurable dashboard facilitates the presentation of key information to staff.



Infusion pump testing

The Multi-Flo infusion pump tester, which provides accurate high- and low-flow verification, bolus volume and occlusion and back pressure measurement, will be the focus of **RIGEL MEDICAL**'s display. Other highlights will include: electrical safety analysers, vital signs simulators, a

electrosurgical analyser and the compact defib analyser. Multi-Flo meets all the needs of IEC 60601-2-24, covering specific requirements for the safety and performance of infusion pumps.

Rigel Medical instruments provide accurate solutions for testing medical devices for both functionality and electrical safety to manufacturer's specification or to a number of internationally accepted standards and guidelines such as: IEC 62353, IEC/EN60601-1, VDE 0751-1, AS/NZS 3551, AAMI, NFPA-99, MDA DB 9801-2006 etc. The company is part of the Seaward Group.



Advancing patient care

BAXTER HEALTHCARE develops and markets products that save and sustain the lives of people with haemophilia, immune disorders, infectious diseases, kidney disease, trauma, and other chronic and acute medical conditions. Baxter applies a combination of expertise in medical devices, pharmaceuticals and biotechnology to create products that advance patient care worldwide. Its portfolio includes the Colleague volumetric infusion pump, pump and gravity sets and needle-free Luer activated devices that support the EU Directive to prevent injuries and infections to health workers.

Point-of-care ultrasound solutions

FUJIFILM SONOSITE is known for its robust, point-of-care ultrasound instruments, combining portability and good image quality, plus fast boot-up times and a five-year warranty. From sophisticated hospital departments to remote clinics, FUJIFILM SonoSite systems are used in over 21 medical specialties, providing non-invasive, cost-effective tools for improving patient safety and workflow efficiency.

FUJIFILM SonoSite's latest system, the X-Porte Ultrasound Kiosk, features advanced signal processing for high resolution imaging, 3D animated clinical guides and a multi-touch, gesture-driven user interface for easy operation. The X-Porte's slender profile makes it easy to manoeuvre, and its sleek design and sealed user interface allow rapid and thorough cleaning – ideal for effective infection control



Expansion of service provision

MORTARA DOLBY, a supplier of ECG and patient monitoring solutions, has announced the expansion of its UK service division with the opening of a new service and support centre at its M40 office complex in



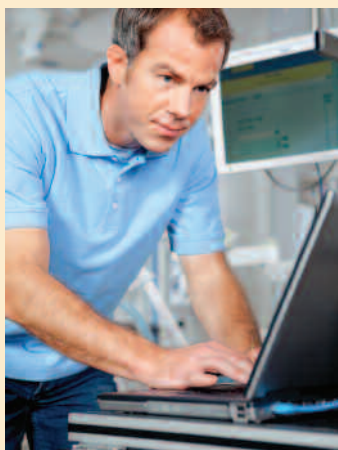
Wheatley, Oxford. The new service centre will provide enhanced levels of product and technical support to the company's customer base in the south of England, the Midlands, and Wales.

The Oxford service centre is said to complement the high level of support already provided to customers from the company's Stirling service centre. The products supported from the Oxford office will include resting ECG devices, cardiac exercise stress systems, 12 lead wireless telemetry systems, holter systems, and vital signs monitoring. Services offered will include on-site product support and remote product support.

Technology for Life

Medical and safety technology company, **DRÄGER** is in its fifth generation as a family-run business and has been established for 125 years.

'Technology for life' is the company's guiding principle. Wherever they are deployed – Dräger products are designed to protect, support and save lives. Dräger not only develops medical devices and safety solutions, but also manufactures them, so the company is familiar with all functions, specifications and technical details. The company can offer fast and reliable service, to suit customers' individual needs – whether they require inspection only, preventative maintenance or a complete service package.



New ambulatory infusion device

HOSPIRA is a provider of injectable drugs and infusion technologies. Through its products, the company can help to improve the safety, cost and productivity of patient care. The company will be highlighting its new ambulatory Sapphire infusion device for acute pain management.

The Sapphire platform is a technologically advanced compact and lightweight infusion system, featuring:

- A large, intuitive colour touch-screen designed for quick and easy programming.
- Easily upgraded software that can be updated via computer connection.
- Flexible infusion modes for all intended uses to simplify patient care across diverse clinical areas.



Electric suction machines

GBUK HEALTHCARE, a supplier of electric suction machines, has recently launched the QuickClear range of machines. Featuring the latest technology, this modern range of static and



portable units has been specially constructed to combine performance and reliability with affordability. The QuickClear range includes the following options:

- **Dynamic:** a compact and versatile unit, with exceptional battery performance.
- **Vortex:** offering strong, reliable maintenance-free running for multiple applications in hospitals and the community.
- **Surgical:** offering ultra quiet, powerful performance. Ideal for all surgical procedures.
- **Rescue:** with a slim lightweight battery unit for community, homecare and first response.

All QuickClear units are CE marked and manufactured to EN 6061-1.

Patient monitoring accessories

With a wealth of experience now stretching back over sixty years, **HENLEYS MEDICAL SUPPLIES** has an extensive product range, encompassing both capital equipment and medical disposables. The company will be showcasing its range of patient monitoring accessories which includes NIBP Cuffs, SpO2 Sensors, ECG Cables and Invasive BP Cables.

Management of medical equipment

SOFTPRO MEDICAL SOLUTIONS provides an asset and management system for medical equipment which has helped over 200 medical engineering departments. Medusa is completely web-based and

includes: contract management, equipment library, risk assessment, projects, customer portal, equipment management, work order management, multiple PPM, helpdesk and spare part management.

RFID system allows efficient tracking of devices

HARLAND SIMON's entry level RF solution is providing significant savings across a number of NHS Trusts throughout the UK. The RFID Discovery system allows users to efficiently locate medical devices using fixed or handheld readers, which seek out equipment fitted with an RFID tag. Asset location data can be uploaded to the main database, using either the local Wi-Fi or by using a USB connection to dock with a local PC workstation.

Harland Simon can design a low-cost

solution to work on or off a wireless network that typically requires no investment to the current infrastructure. RFID Discovery benefits hospitals through increased device utilisation, improved maintenance inspection and reduced capital expenditure. Users also report quicker and more effective auditing. Currently, RFID Discovery is tracking over 10,000 medical devices, including



pumps and pressure relieving mattresses, while trials are underway to track consumable theatre supplies.