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BEC Systems Integration Ltd

Industry-Leading Data Capture Solutions for Supply Chain Logistics and Manufacturing

www.becsi.co.uk

Voice Systems | RFID Solutions | Label Compliance | Mobile Data Capture | Wireless Networks | Vision Systems

bec
Systems Integration

smart SOLUTIONS

Keep this brochure to qualify for your special offers from BEC...

Services **CODE1XYZ**

Hardware **CODE2ABC**

- *Increase productivity*
- *Reduce operational costs*
- *Improve accuracy*
- *Achieve better traceability*
- *Boost profit margins*
- *Seamlessly integrate data & processes*

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About BEC

BEC (Systems Integration) Ltd is a leading UK-based supplier of automated data capture solutions for use within the supply chain, logistics and manufacturing industries.

Based on our eSmart® Data Capture software suite, our systems offer complete end-to-end data capture solutions that improve the productivity and accuracy of our clients' operations. They also deliver increased profitability and quality with a rapid return on investment.

With the aim of removing unnecessary costs from your business, BEC offers a comprehensive set of services, from initial consultation, advice and design, through to delivery, implementation and after-sales support.

Offering access to a range of cutting-edge data collection products from market-leading vendors, including voice-directed technologies, BEC's future-proof solutions integrate seamlessly into any host system to fulfil business and commercial requirements.

Tony Hampson
Managing Director

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BEC boasts a strong background in the food and beverage, manufacturing and engineering industries. As the UK's largest independent Lawson/Infor M3 integrator, our team encompasses decades of experience in seamlessly integrating data capture solutions to various business hosts, which as well as Lawson/Infor M3, also includes SAP, Oracle, Microsoft Dynamics and IFS.

infor **Microsoft Dynamics** **SAP**® **ORACLE**® **IFS**

Having delivered the first integrated voice-directed picking solution for Lawson/Infor M3, BEC has also achieved Total Solutions Provider (TSP) status with Vocollect, the world leader in voice-based solutions for mobile workers.

Through the development of impressive and innovative product handling solutions with voice technology at their core, BEC has helped businesses across a range of vertical markets improve upon their accuracy, productivity and customer service.

With a notable list of clients which includes Kerrygold, Pilgrims Choice, Reynolds, Hydrasun, Delice de France, Sellafield and Raleigh, BEC's customers vary from small and medium enterprises to blue-chip household names throughout the UK, Europe and beyond.

BEC's One-Stop-Shop

Support
- Total System Support
- Software Maintenance
- Hardware Repairs

Professional Services
- Consultancy & Advice
- System Design
- Implementation
- Project Management
- RF Site Surveys
- Training

Hardware
- Handheld Barcode Scanners
- Rugged Handheld Computers
- Heavy Duty Printers
- Vehicle Mounted Terminals
- RFID Tagging
- Installation & Configuration
- Printer Consumables

Our Solutions

bec

| WMS | e smart SOLUTIONS | ERP |

e smart VOICE	e smart WAREHOUSE	e smart SFDC	e smart TRACKER	e smart AUTOMATION	e smart GS1
Voice Picking	Mobile & RF Data Capture	Integrated Data Capture	EPoD	Online Scanning	Accurate Customer Labels
Putaway & Replenishment	RFID	Real Time Job Bookings	RFID	Vision	Global Identification Standards
Cold Chain Environment	Voice Guided Tasks	Work in Progress Tracking	Asset Management	Robotics	Product Label Compliance
		Time & Attendance	Route Accounting	Conveyors	
		Production Information & Display Boards	Track & Trace	Print & Apply	
		Management Dashboards			

eSmart® Solutions

Flexible, fully-customisable and designed to seamlessly integrate into a variety of host ERP systems, BEC's eSmart® Solutions are able to accommodate the specific data capture needs of any business, helping to streamline processes, increase accuracy and efficiency, and ultimately cut costs.

e smart VOICE

BEC's eSmart® Voice Solution encompasses Voice-Directed Technology, an order selection and product picking method which has the ability to reap considerable benefits in the warehouse, distribution centre and beyond. Capable of reducing picking errors by 85% when compared to paper or label-based picking, our eSmart® Voice Solution links directly to any ERP system, ensuring maximum visibility of transaction data.

Boasting a rapid return on investment and suitable for a range of applications including picking, receiving, put-away, replenishment, packing, dispatch and quality control, BEC's eSmart® Voice solution is the ideal choice for businesses who are looking to improve productivity and reduce paper/label consumption whilst increasing profitability and customer satisfaction.

e smart SFDC

With the ability to remove cost from any business, right from the process level, BEC's eSmart® Shop Floor Data Capture Solution captures data directly from production line assets, giving manufacturing companies real-time control over data and individual job costings. This helps to lower margins and adhere to ever-decreasing production-to-market deadlines.

Using wireless data capture terminals to streamline data entry processes, eSmart® SFDC eliminates paper-based data capture errors and their subsequent administration costs, whilst reducing the time taken to process data and make the information accessible throughout the organisation in real-time. eSmart® SFDC can be tailored to individual production processes to provide full visibility of shop floor applications, whilst offering improvements in accuracy, efficiency and traceability.

e smart WAREHOUSE

Without control over inventory, it can be challenging to meet customer orders, plan production or rotate stock efficiently. BEC's eSmart® Warehouse Solution automates all warehouse operations, helping to increase accuracy and productivity, maximise throughput and streamline business processes, whilst removing cost from your business and helping to manage your warehouse more effectively.

Using real-time validation of all transaction data and providing improved visibility of stock, eSmart® Warehouse tracks which orders are being processed, so that customer order enquiries can be responded to in real-time. With inventory transactions being fully traceable from receipt through to despatch, management can make reliable decisions based on real stock levels, reducing the need for surplus stock.

e smart TRACKER

BEC's eSmart® Tracker Solution is a robust asset management tool that monitors and controls assets on multiple sites, enabling the tracking of assets and people within a business and the distribution network. Combining fixed and mobile readers with asset identification technology, eSmart® Tracker works directly with the back office system to provide real-time updates of asset location, usage and availability.

eSmart® Tracker also supports real-time inventory management which simplifies stocktake processes, avoiding the need for time-consuming stock checks associated with paper-based systems. The ability to monitor asset utilisation helps to identify which resources are in use and allocates free resources to a job, while automatic maintenance scheduling ensures that assets are running at maximum efficiency.

e smart
AUTOMATION

Unlike error-prone manual processes, BEC's eSmart® Automation Solution eliminates human error and its subsequent costs. By streamlining production, eSmart® Automation provides decision-makers with instant, real-time updates of key processes, helping to ensure improved accuracy and quality to facilitate fulfilment and planning.

eSmart® Automation allows for the automatic configuration of production line assets, helping to close costly gaps in production, while automatic alerts help to avoid costly mistakes, giving greater control over production and machinery. The solution also supports a number of features, including item counts, barcode positioning, content assessment, match packaging and work orders, as well as the control of weighing scales, conveyors, cutting machines, robotics and direct print and apply machines.

e smart
GS1

The need for accurate, reliable, readable barcodes is critical in the success of any supply chain. Properly considered and deployed barcode systems can dramatically streamline warehouse processes, helping to increase throughput and reducing time and money spent on resolving errors.

With the ability to guide you to the most appropriate barcode solution for your business, from the physical production of readable barcodes to harnessing the power of GS1 standards, streamlining logistics processes or enhancing product traceability, BEC's team of GS1-certified consultants has the skills and expertise to provide the correct combination of hardware, software and services to achieve your supply chain goals in harmony with your ERP system.

Specialist Technologies

With a wealth of experience in the full spectrum of data collection technologies and systems, we can offer all the capabilities and skills required to work with you to find the right solution for your business. We pride ourselves on our ability to take an initial consultative approach to fully understand your requirements, in order to ultimately deliver a system that both fulfils and exceeds your expectations.

Voice Systems

Voice systems and Voice-Directed Technology are widely proven within warehouses and distribution centres to produce game-changing results in terms of productivity and pick accuracy, alongside an impressive return on investment. In fast-moving product picking environments, voice systems also help to reduce paper and label consumption, whilst freeing employees to work 'hands and eyes free' from paperwork or RF terminals.

As a specialist in voice-directed technology, BEC is highly experienced in delivering voice systems into a wealth of different product picking environments and ERP systems. We help our customers reap the rewards that voice systems and Voice-Directed Technology can offer their overall business processes, which include time and cost savings, error reduction and solution scalability.

Mobile Data Capture

When choosing mobile data capture hardware, it is essential to understand the environment where the data capture processes will be undertaken, and whether specialist hardware for freezers, wet, industrial or hazardous areas is required. Further considerations include whether access to real-time or batch data is preferred, as well as mobility options for operators on the shop floor or in the field.

Thanks to our experience within a wealth of vertical markets, as well as established partnerships with the foremost technology providers in the industry, we offer a wide range of mobile and voice-enabled technologies. Our mobile data capture solutions are flexible enough to accommodate the specific needs of any business, whilst taking operational, budgetary and environmental considerations into account.

RFID Solutions

A variety of different RFID technologies are available for use within our eSmart® Data Capture Solutions. We can assist in all stages of your RFID project, from choosing the correct type of RFID tag and reader, to seamlessly integrating the data capture functionality from the RFID hardware with your core business software.

For the tracking of high value assets in closed loop processes with real-time location capabilities within your facility, we would typically propose a solution based on UHF (Ultra High Frequency) RFID. For lower value high volume items, however, we would normally recommend making use of passive HF (High Frequency) disposable tags operating in the 13.56MHz band.

Vision Systems

The requirement to ensure that all elements of product packaging are adhering to ever-tighter regulations is becoming an increasing concern for the vast majority of manufacturers. Using advanced digital camera technology, BEC's Vision System Solution helps to eradicate these fears, allowing manufacturers to realise significant time and cost savings.

As well as confirming barcode presence and validation, our Vision Solution deals with date and lot codes, print quality and product quality information, such as shape sorting and routing, liquid fill levels and product presence validation. Poorly labelled goods or incorrectly packaged products are detected before they leave the production line, helping to ensure compliance with both customer and regulatory requirements.

Wireless Networks

Wireless networks offer a high degree of mobility, real-time connectivity, convenience and scalability to the vast majority of businesses. The implementation of a wireless network is just as important as the selection of a mobile data capture solution. Poor implementation can lead to a loss of data communication and can adversely affect productivity and a company's overall operational performance.

At BEC, we understand the need for strong and secure wireless networks, which is why we offer a range of services to support your overall wireless infrastructure. This helps to ensure that your business can enjoy optimum performance from your wireless framework and your mobile data capture solution as a whole.

Label Compliance

The demands placed on manufacturers to ensure that all elements of their labelling conform to strict standards have never been higher. Failure to label your products correctly means that your company could face considerable fines as well as product recall, restocking and logistics costs. You also risk the loss of customers and potential damage to your reputation.

BEC can offer a complete labelling solution that detects and rectifies poorly labelled goods before they leave the production line, helping to avoid fines whist increasing efficiency by saving time and effort. This gives our clients peace of mind that they are achieving 100% labelling conformance, helping to protect their company and improving customer relations.

Partnerships

To ensure that we are always able to offer innovative and robust AIDC solutions, we have cultivated partnerships with some of the foremost technology providers within the industry. These partnerships enable us to extend our reach in terms of technological capabilities and competencies, giving our customers total peace of mind that their business is in safe hands.

Our proven and reliable end-to-end solutions help businesses reduce unnecessary overheads, increase efficiency and improve upon their overall performance. This in turn drives tangible and significant benefits into each and every one of our clients' operations, whilst yielding a greater return on investment.

Datalogic ADC is a leading global provider of data capture technology, hardware and services. With an established footprint in the transportation and logistics, manufacturing, hospitality, retail and healthcare industries, Datalogic ADC prides itself on recognising the importance of its partners. Having been awarded Platinum Partner status with Datalogic ADC, BEC is able to fully complement Datalogic's complete range of product offerings to customers in both commercial and industrial markets.

GS1 UK is an independent, not-for-profit organisation which works to make UK businesses much more efficient by using a range of techniques, including barcoding. From the physical production of readable barcodes, to harnessing the power of GS1 standards, streamlining logistics processes or enhancing product traceability, BEC has the knowledge to help steer your business towards leveraging the full benefits of barcodes and GS1 standards.

Around the world, Honeywell's channel partners are recognised for their expertise and success in delivering innovative mobile and communications solutions that connect customers with business critical information, as and when they need it. With an intimate knowledge of Honeywell's products and their capabilities within any given application or environment, BEC is highly experienced when it comes to recommending, designing and implementing automated data capture solutions with Honeywell products at their core.

With a rich experience in technology manufacture, Motorola Solutions' products are designed to fulfil the hardware requirements within a range of vertical sectors. Having been able to display the skills needed to design, implement and deploy cutting-edge solutions using Motorola's complete range of hardware, BEC has achieved accreditation and authorised reseller status which spans the Advanced Data Capture, Mobile Computing, RFID and Wireless Local Area Network product segments of the business.

Specialising in Voice Technology, BEC has achieved Silver Level Total Solution Provider (TSP) status with Honeywell Vocollect, the world leader in voice-based solutions for mobile workers. With a proven and trusted track record in supplying and implementing voice technology within a range of in-premise applications, the new TSP status is representative of impressive and innovative product picking solutions BEC has already created based around the benefits of Voice Technology.

Customers

Over the past 20 years, BEC has been successful in delivering high quality solutions to a wide variety of businesses. We deliver tailored solutions designed to enable our customers to recognise their full potential through the deployment of fully automated systems that enhance their current business practices.

Working directly with our customers from initial analysis of business processes through to design, implementation, training and after sales support, our expertise is driven by a constant focus on the developments within our clients' markets. Our consultative approach and strong industry knowledge enables our customers to leverage the latest best-of-breed products, software and services to maximise their output, with minimal disruption to on-going daily routines.

We are fully equipped to deliver solutions, service and support within new, existing or legacy ERP, WMS, MRP and IT infrastructures, helping to optimise IT environments whilst working effectively and seamlessly within designated timescales.
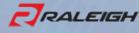
"Over the last 20 years, we have helped many companies work faster and smarter. We believe our success is down to two things: one, we provide a total solution and two, we deliver really first class customer service. We are committed to providing solutions that cut down costs and make a real impact on the bottom line."

Tony Hampson, Managing Director, BEC (Systems Integration) Ltd

Lease Purchasing Schemes

Backed by one of the UK's leading financial institutions, our range of flexible lease purchasing schemes covers the full spectrum of acquisitions, from the purchase of new, additional or replacement AIDC hardware, through to fully tailored and complex solutions.

The provision of these lease schemes gives our customers even more access to a range of cutting-edge data collection products from market-leading vendors, including voice-directed technologies.

Our lease schemes offer a number of tangible business benefits for those customers who choose to pay for their AIDC hardware, software, consultancy services and support costs at a frequency that suits their business – whether that be weekly, monthly, quarterly or annually.

And, with the capacity to add additional equipment at any time without penalty, customers will be able to renew the contract at the end of the agreement and replace existing equipment for new, or pay a one-off fee to have ownership of the equipment indefinitely.

Service & Maintenance Agreements

Successful organisations understand that service and maintenance agreements are not just a safety net they rely on if their systems go down - the right kind of IT support is essential to the success of their entire organisation.

- Keep software up to date with upgrades and fixes
- Helpdesk and telephone support for product-related issues
- Advice and guidance when considering process changes or improvements
- Complete support protection – standard or extended hours available
- Additional peace of mind and assurance when critical issues occur
- Remote assistance to correct any problems with your solution
- Access to support engineers by telephone and email
- Assistance with setup and configuration of new hardware
- Instant access to new product features, updates and fixes

At BEC, our service and maintenance agreements provide an economical level of on-going technical assistance and support to help protect your IT investment whilst receiving expert issue resolution.

They also ensure a single, central point of contact for all our customers' IT support needs, which is underpinned by the hardware vendors themselves.

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VOICE SYSTEMS | RFID SOLUTIONS | LABEL COMPLIANCE | MOBILE DATA CAPTURE | WIRELESS NETWORKS | VISION SYSTEMS