

KBA Systems are one of Ireland's leading system integrators. KBA develops complex solutions that allow companies integrate the various different components of their manufacturing, distribution and supply-chain.

KBA use Rapid Development Technologies using high & low level programming languages to ensure cost effective solutions that add value to the customers business processes. The KBA Systems methodology has a strong emphasis on Quality Control and project management. A KBA project manager works closely with the customer during the design phase to ensure requirements are captured and interfaces with existing software/hardware are handled in an efficient way.

Scheduling System including integration with ERP software, Vision Systems, PLC, Deferred Labeling, printers, & Carousel.

Shop Floor Data Collection Systems (SFDCS).

User defined RF transactions for multi-warehouse organisations.

RF Security Module - CFR Part 11 (Electronic Signatures)

Pick/Pack Applications for Distribution Company.

Extranet solution to present customer invoices, stock levels, & sales history..

Downtime Recording Applications that integrated with Ethernet enabled PLCs (results displayed on screens throughout the company)..

FURTHER INFORMATION: <http://www.kba.ie/casestudies.html>



SYSTEM INTEGRATION SPECIALISTS

KBA Systems have been implementing Radio Frequency (RF), Shop Floor Control (SFC), and Data Collection (DC) Software Solutions since 1994. The company has built a strong reputation and has been involved with some of the most advance solutions implemented in Ireland.

KBA was originally started in Dublin but moved its head office to Tullamore in 2002. The company is currently going through an expansion phase as more and more companies are looking towards automated SFC and DC systems to improve efficiencies.

KBA Systems develop solutions that are simple, accurate and seamless. KBA has a wide range of customers ranging from large multinational corporations to local indigenous companies.

KBA Systems also provide consulting services which use our considerable expertise in recommending the ideal use of data collection systems, manufacturing systems and warehouse solutions in the client organisation.



Software Development

System Integration

Data Collection

Warehouse Management

Shop Floor Control

Quality Inspection Systems

ERP Integration

Biometric Device Integration

SUPPLY-CHAIN SOLUTIONS



Printing & Labeling Systems

PLC Integration

Project Management

Consultancy

On & Off Site Support & Maintenance

Training & Project Management.

KBA ALLIANCES & PARTNERS

KBA Systems has formed many strategic partnerships over the last number of years. These partnerships allow KBA Systems provide high quality solutions at very competitive prices.

Irish Industrial Components: (IIC)



Irish Industrial Components include agencies for some of the world leaders in photocells, barcode readers, safety switches, PLCs, process PLCs, motors, drives and Machine Vision systems.

KBA Systems has worked with Irish Industrial Components to develop downtime recording systems which uses JETTER PLCs to capture machine information. KBA have also worked with DVT vision systems from IIC and GPRS communicators.



LXE International



LXE Inc. has over 30 years of experience developing rugged, wireless handheld computers and handheld RF data collection terminals. LXE products are rugged and reliable, they are built to withstand the harshest physical and climatic conditions.

KBA Systems supply LXE handheld scanners, vehicle mounted scanners, barcode scanners, label printers, and other hardware. The relationship with LXE was a strategic alliance so that KBA could reduce the total cost of ownership of RF based solutions. KBA Systems has also integrated with all other major manufacturers of RF equipment.

SPECIAL OFFERS

http://www.kba.ie/kba_special_offers.htm

CASE STUDY: INTEGRATED SCHEDULING SYSTEM

An Integrated Scheduling System was implemented by KBA systems for a consumer goods company. The first installation of the software was for a European subsidiary. The system focused on the following concepts:

- Shorter Lead-time to Customers;
- Improved Flexibility to respond to opportunity
- Less Inventory in the Country Warehouses

The scheduling system was a core component of the European Supply Chain initiative.

The **key requirements** of the project were:

- Order Scheduling.
- Component picking and delivery.
- Integration with the Carousel.
- Product Validation.
- Artwork Download for product labeling.
- Optical validation using four cameras on each product line.
- Communication with inkjet printers.
- Automated production booking
- Interface with back-end ERP system.
- Product Returns

The **system interfaces** with the following hardware::

- Siemens PLC (other PLCs have been added).
- Various Thermal Transfer Printers.
- Handheld Scanners & Data Collection Terminals (DCTs)
- Laser & Inkjet Printers
- Mainframe and NT servers.
- DVT Cameras (4 per line)
- Kardex Machine

The **KBA tasks** involved in the design/implementation:

- Development of Database Interface Module - External API
- Development of System Administration Module
- Error Log Development
- Camera Interface Module
- PLC Interface Module
- Development of ERP Transaction Handler
- Processing Module
- Development of Maintenance Screens
- Development of supervision module
- Artwork Printing Module
- Workload Summary Graphing
- Integrate with Graphics Package.
- Installation Setup using Install-Shield
- Development of online help.
- Installation Guide
- System Administration Guide
- Project Management
- Onsite Installation,
- Testing and Training.

KBA DIRECTORS

Kevin Adams:

Technical Director

Kevin has over 16 years experience in software development. Kevin is a graduate of Trinity College Dublin, where he received an Honours Degree in Engineering in 1984. In 1988 Kevin joined IBM Ireland's software Development Laboratory (IISL), as a software engineer where he worked on the design and development of new products for IBM worldwide. Subsequently Kevin moved to IBM Ireland where he worked with IBM's Computer Integrated Manufacturing (CIM) group in the design and implementation of CIM projects for IBM's Manufacturing division. In 1994 Kevin left IBM to set up KBA Systems. His aim was to establish a company with the goal of becoming a specialist provider of Data Collection Systems for the manufacturing industry. Since KBA Systems was established, Kevin has overseen projects with various specialised manufacturing and distribution companies.

Bert Farrell:

Business Development Director:

Bert joined KBA Systems in 2001. He has over 14 years experience in the IT and software sector. Bert is a graduate of Trinity College Dublin, where he received an Honours Degree in Computer Science in 1988. Bert also received a MBA from University of Limerick in 2001. Bert worked for Ericsson, a large telecommunication company, as both software engineer and team leader. He spent three years working in Sweden for Ellemtel labs. In 1994, Bert moved into IT, working for a multinational manufacturing company. He was responsible for the implementation of a number of ERP systems and became European IT Manager in 1999.

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