



SUMMARY

Customer

BARTEC

BARTEC

Partner

VISIONID

Empowering Enterprise Intelligence

VisionID

Industry

OEM

Challenge

BARTEC wanted to offer its clients reliable, high-performance mobile computers and scanners for use in potentially explosive environments

Solution

- Mobile Computer MC 92N0^{EX}
- Touch Computer TC 75^{EX}-NI
- BCS3600^{EX} series rugged 1D/2D scanners

Results

- Working in close conjunction with Zebra Technologies, BARTEC has developed best-in-class, intrinsically safe versions of Zebra's MC92, TC75 and BCS3600 series
- BARTEC's clients can continue to reap the benefits of enterprise mobility solutions, such as improved visibility and increased productivity, even in hazardous areas of their businesses, where traditionally businesses have relied on paper based processes
- Delivering an integrated system with the same usability and interfaces for both the EX and non-EX device models is of great benefit to the end users
- Having a standardised software platform between EX and non EX models eases integration, deployment and management for the system integrator
- BARTEC and Zebra have an excellent long term business partnership; this relationship and knowledge sharing ultimately benefits the customer and helps BARTEC deliver a high level of customer service

World Market Leader In Explosion Protection Partners With Zebra Technologies To Develop Intrinsically Safe Mobile Devices For Hazardous Areas

BARTEC is a global market leader in high-tech, innovative products and solutions for use in hazardous areas. Its products range from complex measurement and analysis technology, to innovative heating solutions, explosion-proof components and systems for automation, control and communication. With over forty years of superior hardware design and engineering experience, its aim is to ensure the safety of personnel working in areas where hazardous substances such as flammable gas, vapours, mist, sawdust or dust are present. It counts many of the world's oil and gas industry leaders, as well as an extensive list of chemical, petrochemical, pharmaceutical, timber mills and food processing companies among its clients and has delivered numerous successful projects around the globe.

BARTEC AND ZEBRA TECHNOLOGIES

BARTEC has been working successfully with Zebra Technologies for twenty years. Osman Amith, Head of Enterprise Mobility, BARTEC explains: "We wanted best-in-class scanners, mobile and touch computers for our clients, which is why we have partnered with Zebra Technologies." Working in close collaboration with Zebra, BARTEC has developed intrinsically safe versions of Zebra's MC92, TC75 and the BCS3600 series rugged 1D/2D scanners.

The modification of the Zebra devices to meet the stringent international ATEX safety requirements principally involves limiting the power output of the capacitors and devices. As such, BARTEC significantly adapts many of the main Zebra standard components including: the scan engine, daughter board, microphone, headset, trigger, loudspeaker and even the glass bead filling. With literally thousands of potential alteration options dependent on each customer's requirements, devices are made to order, so each client can use its Zebra device safely and securely in each specific hazardous area of its business. A huge amount of recertification and new documentation is required to accompany the intrinsically safe version of the Zebra devices.

Osman Amith summarises: "Many companies working in hazardous environments, where explosions are a constant risk, have traditionally worked with pen and paper, as they thought that was the only really safe way of conducting business. However, we can supply them with exactly the right, intrinsically safe mobile device for their environment, to significantly increase operational efficiency, maximise productivity and ensure accuracy and data visibility, all whilst staying fully secure."

SAMPLE SUCCESS STORY – LEADING GLOBAL FOOD INGREDIENTS COMPANY

Challenge

A leading global food ingredients company wanted to automate and standardise all its warehouse and plant processes and systems globally, even across manufacturing sites that operate in potentially hazardous environments. It chose VisionID as its systems integrator. VisionID is Ireland's leading system integrator providing barcode and data capture solutions in today's real time society to sectors such as manufacturing, retail, healthcare,



field mobility, government and education. VisionID has a long, successful history of working together on projects with BARTEC. As part of this major deployment the ingredients company had equipped its warehouse and manufacturing teams with Zebra MC9200 Mobile Computers. However, it also needed some intrinsically safe mobile computers for use at sites where the dust from certain ingredients, food powders or cleaning solvents could be potentially hazardous or explosive. It successfully trialled BARTEC's Mobile Computer MC 92N0^{ex}.

Solution

VisionID has helped to design implement, manage and support a complete supply chain management and enterprise mobility solution for the ingredients company. As part of its solution it has deployed Zebra Technologies standard MC9200 handheld Mobile Computers, BARTEC's Intrinsically safe Mobile Computer MC 92N0^{ex} and Zebra ZT400 Series Industrial Label Printers at sites across Europe; the MC92s allow staff to have a standardised mobile computing platform to execute complex applications, scan and process data effectively in the field, whichever processing plant or warehouse they are working out of. The EX models run on the same software platform, with the same usability and interfaces for the end user, as the standard models. Both versions of the MC92 and other mobile devices are managed and updated via a remote device management tool.

Results

VisionID has facilitated this foods ingredients company to be more connected and to stay ahead of the competition within the global food industry market. By delivering a stable, future-proof platform and automating its processes, the company now has access to consistent, real-time information-sharing and reporting, ensuring complete transparency and stock visibility in real time. The solution was deployed with minimal disruption to the business and the integration of the MC92N0^{ex}s went smoothly. Andrew Daly, Sales Manager, VisionID summarises: "The fact that the EX models operate on the same software platform with no change in usability was absolutely key to us as the systems integrator." The MC92N0^{ex}s have proven to be reliable and robust and have enabled mobile teams to work more efficiently and productively in potentially hazardous sites across Europe.

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Osman Amith,
Head of Enterprise Mobility

**For more information,
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and [VisionID](#)**



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