ZEBRA

Zebra Technologies Healthcare Solutions

SIMPLE SOLUTIONS TO COMPLEX PROBLEMS – HELPING YOU DELIVER BEST PRACTICE IN HEALTHCARE

Zebra® Technologies Solutions: Supporting The Transformation Of Your Healthcare Delivery

The challenges, issues and expectations facing today's healthcare provision are well documented.

As a practitioner, you may be expected to manage patient safety, staff workflow and productivity, medical and records security, inventory and cost control, whilst striving to deliver the best possible patient care and outcomes... and all of this 24/7/365.

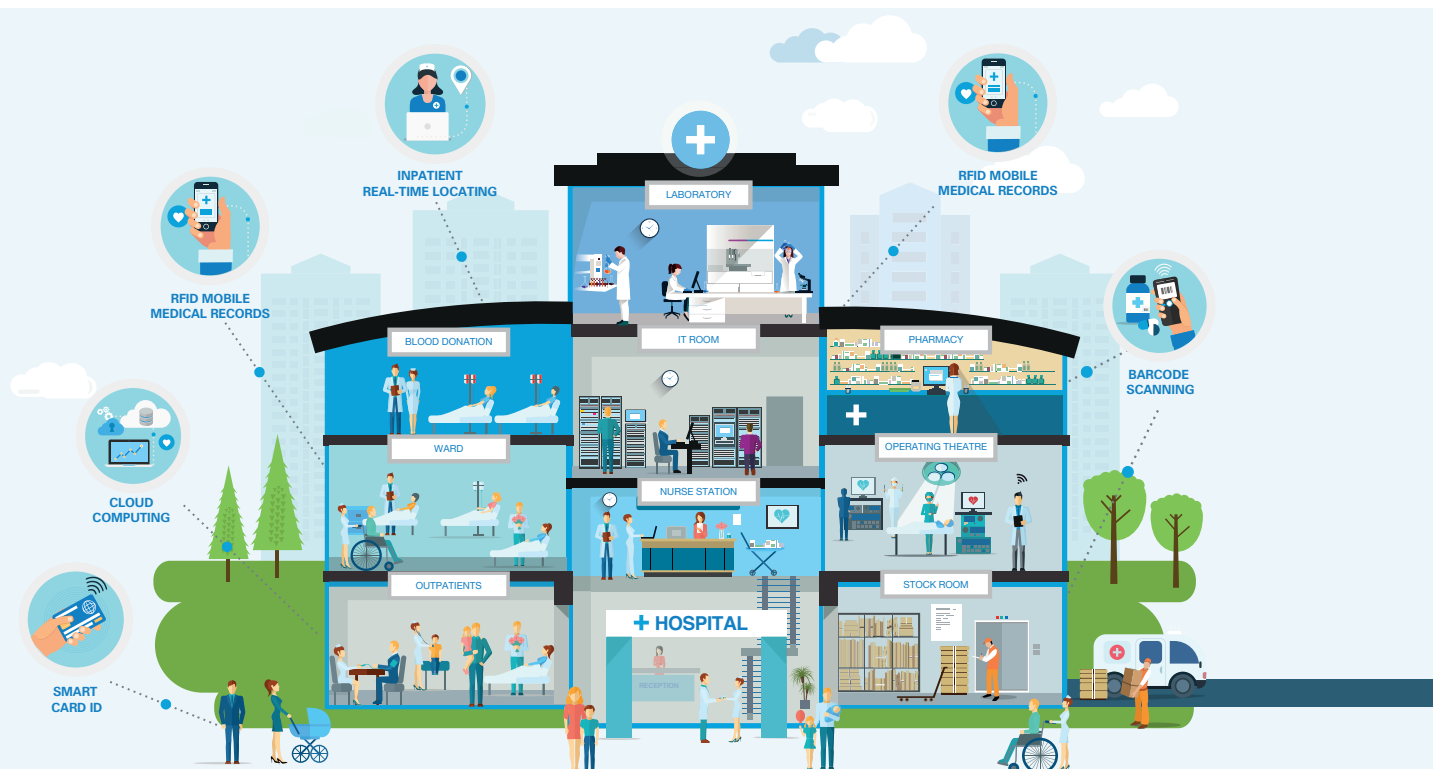**Putting the right applications in place creates solutions that can really make a difference.**

By giving your patients and assets a digital footprint, our solutions enable you to view your resources and assess your options in real-time, leading to better-informed decisions and improved patient outcomes.

Harnessing the potential of Cloud computing and the Internet of Things (IoT); combining technologies such as barcoding, RFID mobile computing and WLAN; our advanced solutions go beyond standard machine-to-machine communications.

Reworking and additional treatments required due to sample errors costs hospitals an estimated $200 to $400 million per year[1]

8 to 14% of medical records include erroneous information tied to incorrect patient identity[2]

32 different ID numbers are used in most NHS trusts to identify a patient[3]

We can deliver the visibility and communications connectivity you need across your entire estate, helping you to better understand and manage your operation

* Source: 1. Bologna L, Hardy G, Mutter M. Reducing specimen and medication error with handheld technology. 2. HIMSS. 3. NHS, UK

Enhancing Patient Care

JOINED-UP CARE REQUIRES A SEAMLESSLY INTEGRATED SOLUTION WHICH FACILITATES BEST PRACTICE

Disjointed or incompatible systems can introduce unnecessary, even dangerous, delays and errors into your medical, care giving and administrative activities. In turn, this makes it difficult for you and your teams to deliver your best care in the most productive way.

Our solutions are fully integrated; developed by experts to help you reach new levels of efficiency, accuracy and patient safety...

• Giving you real-time visibility into patient records, specimens, medications, equipment and staff whereabouts, from the time your patient is admitted to the time you sign their discharge

• Enabling you to capture, analyse, track, share and act on that real-time data from anywhere and at anytime

• Helping you safeguard patient, staff and asset safety in all areas of your facility

Our suite of specialist solutions has been carefully designed to ensure you can capture the right information, analyse it and act accordingly, all in real time; and all at every stage of the patient 'journey' through your care.

> "Zebra is the only vendor that has it all: the printers, the scanners, motion and sensing technologies, IoT platform- there is no other vendor positioned like you in HC!"
>
> Central Manchester Trust, NHS

7 DISCHARGE
Upon discharge, the patient can obtain scripts for med fulfilment output from a secure printer.

6 BLOOD TRANSFUSION
If a transfusion is needed, staff can be confident that the correct product is transfused to the patient, maintaining patient safety, and that all information can be traced for future requirements.

5 DRUG ADMINISTRATION
Clinician administers medication with positive ID of the medication, the patient and the clinician enabling the five rights of med admin.

1 ADMISSION PATIENT IDENTIFICATION
With a robust positive patient ID solution, patient is clearly identified from the moment they are admitted. Clinicians are linked to up-to-the minute information about patients.

4 PHARMACY
After physician makes a diagnosis based on tests, they prescribe medications. These are filled and ID'ed with the pharmacy.

2 POINT OF CARE
With a comprehensive mobile specimen collection, patient samples and blood are identified at point of care – eliminating misidentification of specimens.

3 LAB
Patient samples are processed in the lab using a complete package of identification tools.

Increasing Operational Efficiencies

In such a complex organisation as a hospital or healthcare setting, tools which help you fully understand your process flows, effectively manage your resources and quickly locate your assets are critical to the efficiency of your operation.

Our solutions are designed specifically to connect your caregivers and effectively track patient progress, equipment, facilities and costs. They are proven in use to virtually eliminate human error whilst providing instant, detailed records of the movement of your assets, staff and patients.

Track High-Value Assets

Identify and locate expensive equipment whenever it is in your facility, with instant visibility of the whereabouts of each and every piece of tagged hospital equipment provided by a barcoded label, radio-frequency identification (RFID) and real-time locating systems (RTLS).

Manage Supply Inventory

Staff can rapidly and accurately take inventory on a daily basis, making sure they have the right supplies and medications to hand.

Control Access

Ensure secure access control and clear identity verification thanks to our on-demand card printing solutions for a wide variety of patient and staff identification cards; functionality includes colour printing, barcode, magnetic-stripe, RFID and smart-card technologies.

"Thanks to Zebra, we have streamlined numerous processes. Using barcodes to uniquely identify people, things and processes ensures that everyone has a safe stay in hospital. It has helped make treatment more cost-effective. Our analyses of laboratory tests show that implementing the ID system has reduced spending by 20%, which, in the case of such a large hospital, generates huge savings every month."

Arkadiusz Lendzion
Director of Technical Administration, Gdansk University Health Centre & Centre for Invasive Medicine

Improving Staff Productivity

Misplaced records, tracking and tracing samples or test results, poor quality communications... they're all everyday occurrences in a busy hospital, but just how much lost time, diverted effort, stress and frustration are they causing you and your teams, every single day? And lost time is lost money.

You could be doing more with the same number of staff, because our solutions are specifically designed to help you improve your workflow and communications.

Patient identification errors were at fault for 13% of surgical mistakes and 67% of transfusion mix-ups (Source: Joint Commission International Center for Patient Safety)

By barcoding patient identification bands and medication doses, facilities can reportedly reduce medication errors by 65% to 86%." (Source: US Department of Veterans Affairs)

Staff Communications
With mobile computing and always WLAN connectivity, your staff can collaborate more effectively and quickly, which improves sharing of data and access to critical information... all helping streamline diagnosis and treatment.

With accurate patient data your healthcare workers can respond promptly to patient needs and address issues quickly, resulting in better care and higher patient satisfaction.

Medical Records Management
Despite the transition to EHR, there will still be paper documents for some time to come; but with our barcoding or RFID technology, they can at least be far more accurately and easily identified, tracked, managed and accessed than previously.

Location Solutions
Our Real Time Locating System (RTLS) enables you to track and manage the location of critical patients, plus monitor and assess the movements of your staff; providing insights for analysis and helping you deliver sustainable workflow improvements.

DID YOU KNOW?
Integrating voice and data mobile devices saves time, increases staff efficiency and job satisfaction.

Optimising Your IT Operations

A FAST AND SECURE NETWORK: SO YOU CAN DELIVER MORE EFFICIENT CARE

In the mission-critical environment of healthcare, delivering the very best patient outcomes requires instant communications and guaranteed access to a wealth of data, available immediately when it's needed.

By using familiar, simple and secure tools – with connectivity and network assurance – we make it easier for you and your staff to deploy, use and manage your IT.
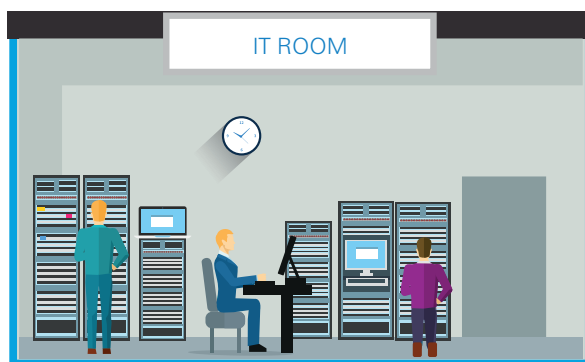

DRIVES EFFICIENCY

PRIORITISES SECURITY

PROVIDES RELIABILITY

IT ROOM

SIMPLIFIES MANAGEMENT

Provides Reliability
Downtime is not an option for your healthcare staff, which is why our wireless LAN is designed to seamlessly re-route traffic around any malfunctioning equipment in your network.

Drives Efficiency
A Zebra® wireless LAN solution puts instant mobile access to voice and data in the pockets of your healthcare workers, so they can check data and take immediate action, wherever they happen to be.

Prioritises Security
Zebra's hardware and software security solutions work together to create a fortress around your data, making it easier for you to comply with government regulations like HIPAA.

Simplifies Management
Our AirDefense Network Assurance solution enables your IT to proactively and remotely optimise, identify and resolve network issues, so you don't have to get involved.

Our Comprehensive Product Portfolio

From on-demand wristband printing to pay-as-you-grow wireless LAN solutions; from ultra-low temperature labelling to remote patient monitoring technologies... we have a complete portfolio of products and services, all designed to help you deliver the best possible healthcare in the most productive manner.

PRINTERS				
Wristband Printers	Desktop Printers	Mobile Printers	Tabletop Printers	Card Printers

SUPPLIES		SCANNERS	
Patient ID Wristbands	Labels	1D Scanners	1D/2D Scanners

MOBILE COMPUTING			WIRELESS
Mobile Computers	Smart Badges	Tablets	Access Points

Zebra OneCare

Zebra Onecare provides unmatched support, right from the manufacturer, across the full product range. With three service levels to choose from — Essential, Select and Premier — you'll find a Zebra OneCare offering that will meet your service requirements and your budget. For more information, visit www.zebra.com/services

"Implementing global standards across the entire healthcare supply chain could save between 22,000 and 43,000 lives pa and avert 0.7 to 1.4 million patient disabilities"

McKinsey report, "Strength in unity: The promise of global standards in healthcare", October 2012

FOR MORE INFORMATION ABOUT HOW YOU CAN ENHANCE PATIENT CARE, INCREASE OPERATIONAL EFFICIENCY AND OPTIMIZE IT OPERATIONS USING ZEBRA'S SOLUTIONS, VISIT WWW.ZEBRA.COM/HEALTHCARE

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