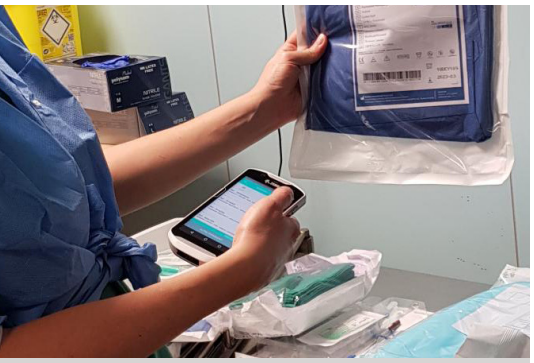
SUCCESS STORY
HEXAGONE NEUILLY GROUP (AMBROISE PARÉ, HARTMANN AND PIERRE CHEREST CLINICS)



Group of Eminent French Clinics Ensure Complete Product Traceability And Costs Analysis

The medical-surgical centres of Ambroise Paré, Pierre Cherest and Hartmann are located in Neuilly-sur-Seine, just to the west of Paris. Multidisciplinary teams, specialised in numerous medical and surgical fields, treat 50,000 fully hospitalised patients and outpatients every year. The three sites, which have 400 beds between them, were fully certified by the French National Authority for Health (HAS) in 2017.

Challenge

The Hexagone Neuilly Group had been using a paper-based system and various software packages previously, which involved a lot of data entry duplication, and could result in errors or omissions. The clinics needed an efficient automated solution that would enable them to conform to the new French legislation regarding traceability of all products used during operations. They approached Zebra partner Ehtrace, who has been working for the last ten years to innovate healthcare traceability solutions focusing on Process Optimization and Cost Management. Ehtrace had definite requirements for the touch computer it would recommend to run its software: a device designed for healthcare, with advanced medical grade plastic, the highest quality scanning performance of all types of 1D and 2D barcodes and excellent connectivity to all available networks.

Ehtrace tested various models from different suppliers; however, having already tested a standard TC51, Ehtrace immediately switched to Zebra's TC51-HC Touch Computer when it was launched, due to its unparalleled performance. And it was the TC51-HC combined with its scanDM application that Ehtrace, together with Zebra reseller Barcode Price, presented and recommended to Hexagone Neuilly Group. There followed a successful on-site trial by end users.

Solution

Barcode Price, a Zebra Technologies business partner, supplied and delivered the accessories and the Zebra TC51-HCs, configured by Ehtrace, within the required timeframes. Barcode Price advises on, tests and deploys barcode and RFID software and hardware solutions in the industrial, logistics and healthcare sectors.

The devices run scanDM, a patented app written on Java for Android by Ehtrace. The user-friendly app has been designed to be an interoperable solution, which works with any hospital information system and is connected to the clinic's systems for stock management, patient files and invoicing. scanDM enables the clinics' staff to scan and analyse any type of GS1, 1D and 2D barcode format, whether standard or non-standard. This is very important, as a considerable number of healthcare sector suppliers have their own barcodes, instead of standardised barcodes, which, without scanDM, would result in the need for data re-entry or further barcode labelling.

scanDM captures as much information as possible from the barcode scan, such as the manufacturer's name, the article reference numbers, the serial numbers of the medical devices and the batch numbers and expiry dates of medicines. The clinics use the app in their operating theatres for real-time capture of products used (from implants to non-implants, masks to gloves), to analyse costs of products used, to update the register and list names of people present, for device recall management, to gather information about the type of operation and the patient, such as date of birth, and to print the patient traceability form. This document, which contains information such as the brand and source of products used or implants received and any relevant batch codes, is given to the patient post operatively.

SUMMARY

Customer

Centres Médico Chirurgicaux Ambroise Paré, Pierre Cherest, Hartmann

Hexagone Neuilly Group

Partner

ehtrace

scanDM

Ehtrace SAS

BARCODEPRICE

Barcode Price SARL

Industry

Healthcare

Challenge

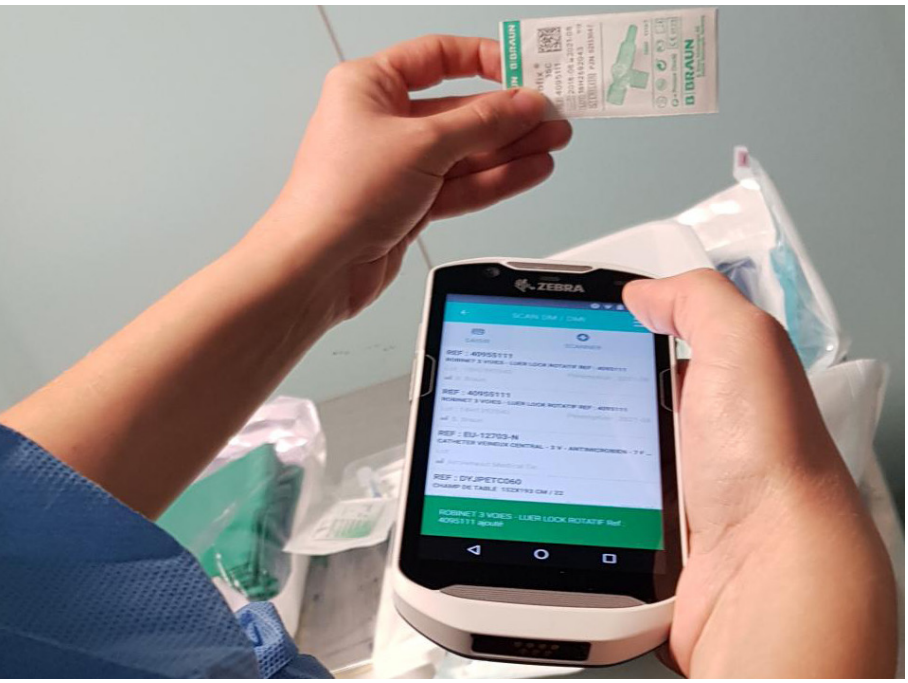
The Hexagone Neuilly Group wanted to automate the traceability of implants and the complete management chain relating to these, including automatic re-ordering and invoicing

Solution

- Zebra TC51-HC Touch Computer
- Zebra Ethernet Single Unit HC Battery Chargers
- Optional Zebra Trigger Handles for chemists
- Ehtrace scanDM traceability application

Results

- As the solution enables the direct reading and processing of all medical device barcodes, products used in the operating theatres at the hospitals can be fully traced
- It has also allowed the clinic to start tracking costs of items utilised during operations
- The system has excellent user take-up, with clinical staff praising the TC51-HC's ergonomics and reliability
- The TC51-HCs are designed and certified for healthcare
- Moving to an automated system has reduced margin for error
- The clinics are now compliant with the new legislation
- The solution is flexible and is now also being used at the group's chemists and for inventory taking



At their chemists and in the store rooms meanwhile, the app can enable receipt of products, inventory and stock management, expiry date alerts, usage traceability and simplification of the ordering process.

The TC51-HCs upload the data collected via Wi-Fi in real time, however the data can also be synchronised via the HC Ethernet cradles, should the operating room not have wireless coverage. As such, once staff have scanned items they can return the device to the charging stations and the data captured will be immediately transferred to the various clinic backend systems via scanDM. Finally, removable Zebra trigger handles can also be fitted to the TC51-HCs, for ease of handling during lengthy inventory takes.

Results

This mobility solution from Zebra and Ehtrace enables hospital staff to stay focussed on their job of caring for patients, whilst capturing all the data needed to track products and eliminating the need for data re-entry. Moreover the solution ensures compliance with the new traceability legislation, it delivers increased accuracy and great visibility; the clinics are better informed; its patients are better informed and can now access detailed information about their operations, medication and implants, for example; Hexagone Neuilly Group's documentation is more complete; and it benefits from financial traceability and a detailed operative costs analysis.

As the solution is used daily and up to 140 products can be used in each operation, the fast and reliable barcode scanning (even if the packaging is damaged or dirty), the smooth navigation around scanDM and the interfaces with the different software, which enable immediate data transfer to all the clinics' systems, deliver increased productivity for the group which, in turn, leads to a good ROI. Hexagone Neuilly Group also hopes to reduce the time spent on stocktaking by 50%.

Users have rapidly adopted the solution and particularly enjoy the ergonomic nature of the TC51-HCs and the resolution and quality of their screens. Ehtrace has been so pleased with the performance of the devices and their flexibility with regard to internet connection that it is now only deploying Zebra's TC51-HC at its customer sites.

"We chose the Zebra TC51-HC Touch Computers as they are fully certified for use in hospitals and the healthcare environment. We clean the devices after each operation with medical grade disinfectants without this being a problem and the devices are contemporary, easy to use, reliable and robust. The whole solution fulfils our needs perfectly, is saving us time and costs, and ensures our compliance. Moreover, the system is extremely flexible and we are now also utilising it in our pharmacies, to analyse the costs of products during operations and for stocktaking."

Charlotte Dubois,
Project Leader,
Amboise Paré Clinic

For more information on Zebra's healthcare technology solutions, please visit Zebra Technologies, Ehtrace and Barcode Price

ZEBRA

EMEA Headquarters
zebra.com/locations
contact.emea@zebra.com